

# COMMISSION REGULATION (EU) No 2016/2281<sup>1)</sup>

## ECODESIGN REQUIREMENTS FOR heat pumps/air conditioners<sup>1)</sup>

### Information requirements<sup>11)</sup>

|   |                                                                                                                                                     |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| A | Information to identify the model(s) to which the information relates : AM080AXVGGH                                                                 |
| B | Outdoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                      |
| C | Indoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                       |
| D | Indication if the heater is equipped with a supplementary heater: No                                                                                |
| E | Type: [compressor driven vapour compression or sorption process] Compressor driven vapour compression                                               |
| F | If applicable: driver of compressor: [electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine] Electric motor |
| G | Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.                     |

| Item <sup>(1)</sup> | Symbol <sup>(1)</sup>                                                                                           | Value <sup>(2)</sup>         | Unit <sup>(3)</sup> |
|---------------------|-----------------------------------------------------------------------------------------------------------------|------------------------------|---------------------|
| L                   | Rated cooling capacity                                                                                          | $P_{rated,c}$ <sup>(M)</sup> | 22,4 kW             |
| O                   | Declared cooling capacity for part load at given outdoor temperatures $T_j$ and indoor 27°C/19°C (dry/wet bulb) |                              |                     |
| -                   | $T_j = 35\text{ °C}$                                                                                            | $P_{dc}$                     | 22,4 kW             |
| -                   | $T_j = 30\text{ °C}$                                                                                            | $P_{dc}$                     | 16,6 kW             |
| -                   | $T_j = 25\text{ °C}$                                                                                            | $P_{dc}$                     | 10,5 kW             |
| -                   | $T_j = 20\text{ °C}$                                                                                            | $P_{dc}$                     | 4,7 kW              |
| Q                   | Degradation co-efficient for air conditioners(**)                                                               | $C_{dc}$                     | 0,25 -              |
| AC                  | Power consumption in modes other than 'active mode'                                                             |                              |                     |
| AE                  | Off mode                                                                                                        | $P_{OFF}$                    | 0,030 kW            |
| AG                  | Thermostat-off mode                                                                                             | $P_{TO}$                     | 0,000 kW            |

| Item <sup>(1)</sup> | Symbol <sup>(1)</sup>                                                                             | Value <sup>(2)</sup> | Unit <sup>(3)</sup> |
|---------------------|---------------------------------------------------------------------------------------------------|----------------------|---------------------|
| R                   | Rated heating capacity                                                                            | $P_{rated,h}$        | 22,4 kW             |
| T                   | Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature $T_j$ |                      |                     |
| -                   | $T_j = -7\text{ °C}$                                                                              | $P_{dh}$             | 12,3 kW             |
| -                   | $T_j = 2\text{ °C}$                                                                               | $P_{dh}$             | 7,6 kW              |
| -                   | $T_j = 7\text{ °C}$                                                                               | $P_{dh}$             | 4,9 kW              |
| -                   | $T_j = 12\text{ °C}$                                                                              | $P_{dh}$             | 2,1 kW              |
| V                   | $T_{biv}$ = bivalent temperature                                                                  | $P_{dh}$             | 14,0 kW             |
| W                   | $T_{OL}$ = operating limit                                                                        | $P_{dh}$             | 13,4 kW             |
| X                   | For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$ )                 | $P_{dh}$             | N/A kW              |
| Z                   | Bivalent temperature                                                                              | $T_{biv}$            | -10 °C              |
| AB                  | Degradation co-efficient heat pumps(**)                                                           | $C_{dh}$             | 0,25 -              |

|    |                                                     |           |          |
|----|-----------------------------------------------------|-----------|----------|
| AC | Power consumption in modes other than 'active mode' |           |          |
| AE | Off mode                                            | $P_{OFF}$ | 0,030 kW |
| AG | Thermostat-off mode                                 | $P_{TO}$  | 0,030 kW |
| AI | Crankcase heater mode                               | $P_{CK}$  | 0,062 kW |

| AK | Other items                                    |                          |                                                         |
|----|------------------------------------------------|--------------------------|---------------------------------------------------------|
| AL | Capacity control                               | variable <sup>(AM)</sup> |                                                         |
| AO | Sound power level for cooling (indoor/outdoor) | $L_{WA}$                 | - / 75,0 dB                                             |
| AP | Sound power level for heating(indoor/outdoor)  | $L_{WA}$                 | - / 80,0 dB                                             |
| AQ | Emissions of nitrogen oxides (if applicable)   | Nox (***)                | N/A mg/kWh fuel input GCV <sup>(AR)</sup>               |
| AT | GWP of the refrigerant                         |                          | 2087,5 kgCO <sub>2</sub> eq (100 years) <sup>(AU)</sup> |

| Item <sup>(1)</sup> | Symbol <sup>(1)</sup>                                                              | Value <sup>(2)</sup> | Unit <sup>(3)</sup> |
|---------------------|------------------------------------------------------------------------------------|----------------------|---------------------|
| N                   | Seasonal space cooling energy efficiency                                           | $\eta_{s,c}$         | 285,0 %             |
| P                   | Declared energy efficiency ratio for part load at given outdoor temperatures $T_j$ |                      |                     |
| -                   | $T_j = 35\text{ °C}$                                                               | $EER_d$              | 3,0 -               |
| -                   | $T_j = 30\text{ °C}$                                                               | $EER_d$              | 4,8 -               |
| -                   | $T_j = 25\text{ °C}$                                                               | $EER_d$              | 8,0 -               |
| -                   | $T_j = 20\text{ °C}$                                                               | $EER_d$              | 18,5 -              |

|    |                                                     |          |          |
|----|-----------------------------------------------------|----------|----------|
| AC | Power consumption in modes other than 'active mode' |          |          |
| AI | Crankcase heater mode                               | $P_{ck}$ | 0,000 kW |
| AJ | Standby mode                                        | $P_{SB}$ | 0,030 kW |

| Item <sup>(1)</sup> | Symbol <sup>(1)</sup>                                                                                            | Value <sup>(2)</sup> | Unit <sup>(3)</sup> |
|---------------------|------------------------------------------------------------------------------------------------------------------|----------------------|---------------------|
| S                   | Seasonal space heating energy efficiency                                                                         | $\eta_{s,h}$         | 177,0 %             |
| U                   | Declared coefficient of performance* / Average season, at indoor temperature 20 °C and outdoor temperature $T_j$ |                      |                     |
| -                   | $T_j = -7\text{ °C}$                                                                                             | $COP_d$              | 2,6 -               |
| -                   | $T_j = 2\text{ °C}$                                                                                              | $COP_d$              | 4,4 -               |
| -                   | $T_j = 7\text{ °C}$                                                                                              | $COP_d$              | 6,6 -               |
| -                   | $T_j = 12\text{ °C}$                                                                                             | $COP_d$              | 6,8 -               |
| V                   | $T_j$ = bivalent temperature                                                                                     | $COP_d$              | 2,3 -               |
| W                   | $T_j$ = operating limit                                                                                          | $COP_d$              | 2,3 -               |
| Y                   | For water-to-air heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$ )                                | $COP_d$              | N/A -               |
| AA                  | For water-to-air heat pumps: Operation limit temperature                                                         | $T_{ol}$             | N/A °C              |

|    |                          |           |          |
|----|--------------------------|-----------|----------|
| AD | Supplementary heater     |           |          |
| AF | Back-up heating capacity | $el_{bu}$ | N/A kW   |
| AH | Type of energy input     |           |          |
| AJ | Standby mode             | $P_{SB}$  | 0,030 kW |

| AK | Other items                                                                                     |   |                        |
|----|-------------------------------------------------------------------------------------------------|---|------------------------|
| AN | For air-to-air heat pumps/air conditioners : air flow rate, outdoor measured                    | - | 9840 m <sup>3</sup> /h |
| AS | For water/brine-to air heat pumps: Rated brined or water flow rate, outdoor side heat exchanger | - | N/A m <sup>3</sup> /h  |

|    |                 |                                                                                                                                                                                                                          |
|----|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AV | Contact details | Samsung, PO Box 12987, Blackrock, Co. Dublin. IE or Euro QA Lab. Saxony Way, Yateley, Hampshire GU46 6GG, UK<br>Samsung Türkiye Merkez Ofis, Flatofis İstanbul İş Merkezi Otakçılar Caddesi No: 78 Kat 3 No: B3 İstanbul |
|----|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

AW \*\*= If  $C_d$  is not determined by measurement then the default degradation coefficient shall be 0,25.

AX \*\*\* From 26 September 2018.

AY Where information relates to multi-split, the test result and performance data may be obtained on the basis of the performance of the out-door unit, with a combination of indoor unit(s) recommended by manufacturer or importer.

AZ For multi-split heat pumps/air conditioners, a list of appropriate indoor units: AM\*\*\*\*\*D\*\*, AM\*\*\*\*\*P\*\*, AM\*\*\*\*\*F\*\*

BA If you are a professional looking for information on non-destructive disassembly, dismantling and battery removability, please send an email to: erims.sec@samsung.com.

# COMMISSION REGULATION (EU) No 2016/2281 <sup>1)</sup>

## ECODESIGN REQUIREMENTS FOR heat pumps/air conditioners <sup>1)</sup>

### Information requirements <sup>1))</sup>

|   |                                                                                                                                                     |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| A | Information to identify the model(s) to which the information relates : AM100AXVGGH                                                                 |
| B | Outdoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                      |
| C | Indoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                       |
| D | Indication if the heater is equipped with a supplementary heater: No                                                                                |
| E | Type: [compressor driven vapour compression or sorption process] Compressor driven vapour compression                                               |
| F | If applicable: driver of compressor: [electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine] Electric motor |
| G | Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.                     |

| Item <sup>(1))</sup>                                | Symbol <sup>(1)</sup>                                                                                                    | Value <sup>(2)</sup>                | Unit <sup>(3)</sup> |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------|
| L                                                   | Rated cooling capacity                                                                                                   | P <sub>rated,c</sub> <sup>(4)</sup> | 28,0 kW             |
| O                                                   | Declared cooling capacity for part load at given outdoor temperatures T <sub>j</sub> and indoor 27°C/19°C (dry/wet bulb) |                                     |                     |
| -                                                   | T <sub>j</sub> = 35 °C                                                                                                   | P <sub>dc</sub>                     | 28,0 kW             |
|                                                     | T <sub>j</sub> = 30 °C                                                                                                   | P <sub>dc</sub>                     | 20,7 kW             |
|                                                     | T <sub>j</sub> = 25 °C                                                                                                   | P <sub>dc</sub>                     | 13,2 kW             |
|                                                     | T <sub>j</sub> = 20 °C                                                                                                   | P <sub>dc</sub>                     | 5,9 kW              |
| Q                                                   | Degradation co-efficient for air conditioners(**)                                                                        | C <sub>dc</sub>                     | 0,25 -              |
| Power consumption in modes other than 'active mode' |                                                                                                                          |                                     |                     |
| AE                                                  | Off mode                                                                                                                 | P <sub>OFF</sub>                    | 0,030 kW            |
| AG                                                  | Thermostat-off mode                                                                                                      | P <sub>TO</sub>                     | 0,000 kW            |

| Item <sup>(1))</sup> | Symbol <sup>(1)</sup>                                                                                      | Value <sup>(2)</sup> | Unit <sup>(3)</sup> |
|----------------------|------------------------------------------------------------------------------------------------------------|----------------------|---------------------|
| R                    | Rated heating capacity                                                                                     | P <sub>rated,h</sub> | 28,0 kW             |
| T                    | Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                      |                     |
| -                    | T <sub>j</sub> = - 7 °C                                                                                    | P <sub>dh</sub>      | 14,9 kW             |
|                      | T <sub>j</sub> = 2 °C                                                                                      | P <sub>dh</sub>      | 9,1 kW              |
|                      | T <sub>j</sub> = 7 °C                                                                                      | P <sub>dh</sub>      | 5,9 kW              |
|                      | T <sub>j</sub> = 12 °C                                                                                     | P <sub>dh</sub>      | 2,5 kW              |
| V                    | T <sub>biv</sub> = bivalent temperature                                                                    | P <sub>dh</sub>      | 16,9 kW             |
| W                    | T <sub>OL</sub> = operating limit                                                                          | P <sub>dh</sub>      | 16,8 kW             |
| X                    | For air-to-water heat pumps: T <sub>j</sub> = -15°C (if T <sub>OL</sub> < -20°C)                           | P <sub>dh</sub>      | N/A kW              |
| Z                    | Bivalent temperature                                                                                       | T <sub>biv</sub>     | -10 °C              |
| AB                   | Degradation co-efficient heat pumps(**)                                                                    | C <sub>dh</sub>      | 0,25 -              |

|    |                                                     |                  |          |
|----|-----------------------------------------------------|------------------|----------|
| AC | Power consumption in modes other than 'active mode' |                  |          |
| AE | Off mode                                            | P <sub>OFF</sub> | 0,030 kW |
| AG | Thermostat-off mode                                 | P <sub>TO</sub>  | 0,030 kW |
| AI | Crankcase heater mode                               | P <sub>CK</sub>  | 0,062 kW |

|    |                                                |                          |                                                         |
|----|------------------------------------------------|--------------------------|---------------------------------------------------------|
| AK | Other items                                    |                          |                                                         |
| AL | Capacity control                               | variable <sup>(AM)</sup> |                                                         |
| AO | Sound power level for cooling (indoor/outdoor) | L <sub>WA</sub>          | - / 78,0 dB                                             |
| AP | Sound power level for heating(indoor/outdoor)  | L <sub>WA</sub>          | - / 81,0 dB                                             |
| AQ | Emissions of nitrogen oxides (if applicable)   | Nox (***)                | N/A mg/kWh fuel input GCV <sup>(AR)</sup>               |
| AT | GWP of the refrigerant                         |                          | 2087,5 kgCO <sub>2</sub> eq (100 years) <sup>(AU)</sup> |

| Item <sup>(1))</sup> | Symbol <sup>(1)</sup>                                                                       | Value <sup>(2)</sup> | Unit <sup>(3)</sup> |
|----------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|
| N                    | Seasonal space cooling energy efficiency                                                    | η <sub>sc</sub>      | 273,0 %             |
| P                    | Declared energy efficiency ratio for part load at given outdoor temperatures T <sub>j</sub> |                      |                     |
| -                    | T <sub>j</sub> = 35 °C                                                                      | EER <sub>d</sub>     | 2,7 -               |
|                      | T <sub>j</sub> = 30 °C                                                                      | EER <sub>d</sub>     | 4,5 -               |
|                      | T <sub>j</sub> = 25 °C                                                                      | EER <sub>d</sub>     | 7,7 -               |
|                      | T <sub>j</sub> = 20 °C                                                                      | EER <sub>d</sub>     | 18,9 -              |

|    |                                                     |                 |          |
|----|-----------------------------------------------------|-----------------|----------|
| AC | Power consumption in modes other than 'active mode' |                 |          |
| AI | Crankcase heater mode                               | P <sub>ck</sub> | 0,000 kW |
| AJ | Standby mode                                        | P <sub>SB</sub> | 0,030 kW |

| Item <sup>(1))</sup> | Symbol <sup>(1)</sup>                                                                                                     | Value <sup>(2)</sup> | Unit <sup>(3)</sup> |
|----------------------|---------------------------------------------------------------------------------------------------------------------------|----------------------|---------------------|
| S                    | Seasonal space heating energy efficiency                                                                                  | η <sub>sh</sub>      | 173,0 %             |
| U                    | Declared coefficient of performance* / Average season, at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                      |                     |
| -                    | T <sub>j</sub> = - 7 °C                                                                                                   | COP <sub>d</sub>     | 2,5 -               |
|                      | T <sub>j</sub> = 2 °C                                                                                                     | COP <sub>d</sub>     | 4,3 -               |
|                      | T <sub>j</sub> = 7 °C                                                                                                     | COP <sub>d</sub>     | 6,5 -               |
|                      | T <sub>j</sub> = 12 °C                                                                                                    | COP <sub>d</sub>     | 7,0 -               |
| V                    | T <sub>j</sub> = bivalent temperature                                                                                     | COP <sub>d</sub>     | 2,3 -               |
| W                    | T <sub>j</sub> = operating limit                                                                                          | COP <sub>d</sub>     | 2,3 -               |
| Y                    | For water-to-air heat pumps: T <sub>j</sub> = -15°C (if T <sub>OL</sub> < -20°C)                                          | COP <sub>d</sub>     | N/A -               |
| AA                   | For water-to-air heat pumps: Operation limit temperature                                                                  | T <sub>ol</sub>      | N/A °C              |

|    |                          |                 |          |
|----|--------------------------|-----------------|----------|
| AD | Supplementary heater     |                 |          |
| AF | Back-up heating capacity | elbu            | N/A kW   |
| AH | Type of energy input     |                 |          |
| AJ | Standby mode             | P <sub>SB</sub> | 0,030 kW |

|    |                                                                                                 |   |                         |
|----|-------------------------------------------------------------------------------------------------|---|-------------------------|
| AK | Other items                                                                                     |   |                         |
| AN | For air-to-air heat pumps/air conditioners : air flow rate, outdoor measured                    | - | 10860 m <sup>3</sup> /h |
| AS | For water/brine-to air heat pumps: Rated brined or water flow rate, outdoor side heat exchanger | - | N/A m <sup>3</sup> /h   |

|    |                 |                                                                                                                                                                                                                          |
|----|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
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|----|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

AW \*\*= If Cd is not determined by measurement then the default degradation coefficient shall be 0,25.

AX \*\*\* From 26 September 2018.

AY Where information relates to multi-split, the test result and performance data may be obtained on the basis of the performance of the out-door unit, with a combination of indoor unit(s) recommended by manufacturer or importer.

AZ For multi-split heat pumps/air conditioners, a list of appropriate indoor units: AM\*\*\*\*\*N\*D\*\*\*, AM\*\*\*\*\*N\*P\*\*\*, AM\*\*\*\*\*N\*F\*\*

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## ECODESIGN REQUIREMENTS FOR heat pumps/air conditioners <sup>1)</sup>

| Information requirements <sup>III)</sup> |                                                                                                                                                     |  |  |  |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| A                                        | Information to identify the model(s) to which the information relates : AM120AXVGGH                                                                 |  |  |  |
| B                                        | Outdoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                      |  |  |  |
| C                                        | Indoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                       |  |  |  |
| D                                        | Indication if the heater is equipped with a supplementary heater: No                                                                                |  |  |  |
| E                                        | Type: [compressor driven vapour compression or sorption process] Compressor driven vapour compression                                               |  |  |  |
| F                                        | If applicable: driver of compressor: [electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine] Electric motor |  |  |  |
| G                                        | Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.                     |  |  |  |

|    | Item <sup>(H)</sup>                                                                                                      | Symbol <sup>(I)</sup>               | Value <sup>(J)</sup> | Unit <sup>(K)</sup> |
|----|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------|---------------------|
| L  | Rated cooling capacity                                                                                                   | P <sub>rated,c</sub> <sup>(M)</sup> | 33,6                 | kW                  |
| O  | Declared cooling capacity for part load at given outdoor temperatures T <sub>j</sub> and indoor 27°C/19°C (dry/wet bulb) |                                     |                      |                     |
| -  | T <sub>j</sub> = 35 °C                                                                                                   | P <sub>dc</sub>                     | 33,6                 | kW                  |
|    | T <sub>j</sub> = 30 °C                                                                                                   | P <sub>dc</sub>                     | 24,9                 | kW                  |
|    | T <sub>j</sub> = 25 °C                                                                                                   | P <sub>dc</sub>                     | 15,8                 | kW                  |
|    | T <sub>j</sub> = 20 °C                                                                                                   | P <sub>dc</sub>                     | 7,1                  | kW                  |
| Q  | Degradation co-efficient for air conditioners(**)                                                                        | C <sub>dc</sub>                     | 0,25                 | -                   |
| AC | Power consumption in modes other than 'active mode'                                                                      |                                     |                      |                     |
| AE | Off mode                                                                                                                 | P <sub>OFF</sub>                    | 0,030                | kW                  |
| AG | Thermostat-off mode                                                                                                      | P <sub>TO</sub>                     | 0,000                | kW                  |

|    | Item <sup>(H)</sup>                                                                         | Symbol <sup>(I)</sup> | Value <sup>(J)</sup> | Unit <sup>(K)</sup> |
|----|---------------------------------------------------------------------------------------------|-----------------------|----------------------|---------------------|
| N  | Seasonal space cooling energy efficiency                                                    | η <sub>s,c</sub>      | 273,0                | %                   |
| P  | Declared energy efficiency ratio for part load at given outdoor temperatures T <sub>j</sub> |                       |                      |                     |
| -  | T <sub>j</sub> = 35 °C                                                                      | EER <sub>d</sub>      | 2,7                  | -                   |
|    | T <sub>j</sub> = 30 °C                                                                      | EER <sub>d</sub>      | 4,5                  | -                   |
|    | T <sub>j</sub> = 25 °C                                                                      | EER <sub>d</sub>      | 7,6                  | -                   |
|    | T <sub>j</sub> = 20 °C                                                                      | EER <sub>d</sub>      | 19,1                 | -                   |
| AC | Power consumption in modes other than 'active mode'                                         |                       |                      |                     |
| AI | Crankcase heater mode                                                                       | P <sub>ck</sub>       | 0,000                | kW                  |
| AJ | Standby mode                                                                                | P <sub>sB</sub>       | 0,030                | kW                  |

|    | Item <sup>(H)</sup>                                                                                        | Symbol <sup>(I)</sup> | Value <sup>(J)</sup> | Unit <sup>(K)</sup> |
|----|------------------------------------------------------------------------------------------------------------|-----------------------|----------------------|---------------------|
| R  | Rated heating capacity                                                                                     | P <sub>rated,h</sub>  | 33,6                 | kW                  |
| T  | Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                       |                      |                     |
| -  | T <sub>j</sub> = - 7 °C                                                                                    | P <sub>dh</sub>       | 17,3                 | kW                  |
|    | T <sub>j</sub> = 2 °C                                                                                      | P <sub>dh</sub>       | 10,6                 | kW                  |
|    | T <sub>j</sub> = 7 °C                                                                                      | P <sub>dh</sub>       | 6,9                  | kW                  |
|    | T <sub>j</sub> = 12 °C                                                                                     | P <sub>dh</sub>       | 3,0                  | kW                  |
| V  | T <sub>biv</sub> = bivalent temperature                                                                    | P <sub>dh</sub>       | 19,7                 | kW                  |
| W  | T <sub>OL</sub> = operating limit                                                                          | P <sub>dh</sub>       | 20,2                 | kW                  |
| X  | For air-to-water heat pumps: T <sub>j</sub> = -15°C (if T <sub>OL</sub> <-20°C)                            | P <sub>dh</sub>       | N/A                  | kW                  |
| Z  | Bivalent temperature                                                                                       | T <sub>biv</sub>      | -10                  | °C                  |
| AB | Degradation co-efficient heat pumps(**)                                                                    | C <sub>dh</sub>       | 0,25                 | -                   |
| AC | Power consumption in modes other than 'active mode'                                                        |                       |                      |                     |
| AE | Off mode                                                                                                   | P <sub>OFF</sub>      | 0,030                | kW                  |
| AG | Thermostat-off mode                                                                                        | P <sub>TO</sub>       | 0,030                | kW                  |
| AI | Crankcase heater mode                                                                                      | P <sub>CK</sub>       | 0,062                | kW                  |

|    | Item <sup>(H)</sup>                                                                                                       | Symbol <sup>(I)</sup> | Value <sup>(J)</sup> | Unit <sup>(K)</sup> |
|----|---------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------|---------------------|
| S  | Seasonal space heating energy efficiency                                                                                  | η <sub>s,h</sub>      | 179,4                | %                   |
| U  | Declared coefficient of performance* / Average season, at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                       |                      |                     |
| -  | T <sub>j</sub> = - 7 °C                                                                                                   | COP <sub>d</sub>      | 2,7                  | -                   |
|    | T <sub>j</sub> = 2 °C                                                                                                     | COP <sub>d</sub>      | 4,4                  | -                   |
|    | T <sub>j</sub> = 7 °C                                                                                                     | COP <sub>d</sub>      | 6,7                  | -                   |
|    | T <sub>j</sub> = 12 °C                                                                                                    | COP <sub>d</sub>      | 7,0                  | -                   |
| V  | T <sub>j</sub> = bivalent temperature                                                                                     | COP <sub>d</sub>      | 2,2                  | -                   |
| W  | T <sub>j</sub> = operating limit                                                                                          | COP <sub>d</sub>      | 2,2                  | -                   |
| Y  | For water-to-air heat pumps: T <sub>j</sub> = -15°C (if T <sub>OL</sub> <-20°C)                                           | COP <sub>d</sub>      | N/A                  | -                   |
| AA | For water-to-air heat pumps:Operation limit temperature                                                                   | T <sub>ol</sub>       | N/A                  | °C                  |
| AD | Supplementary heater                                                                                                      |                       |                      |                     |
| AF | Back-up heating capacity                                                                                                  | elbu                  | N/A                  | kW                  |
| AH | Type of energy input                                                                                                      |                       |                      |                     |
| AJ | Standby mode                                                                                                              | P <sub>sB</sub>       | 0,030                | kW                  |

|    | Item <sup>(H)</sup>                            | Symbol <sup>(I)</sup> | Value <sup>(J)</sup>     | Unit <sup>(K)</sup>                              |
|----|------------------------------------------------|-----------------------|--------------------------|--------------------------------------------------|
| AK | Other items                                    |                       |                          |                                                  |
| AL | Capacity control                               |                       | variable <sup>(AM)</sup> |                                                  |
| AO | Sound power level for cooling (indoor/outdoor) | L <sub>WA</sub>       | - / 81,0                 | dB                                               |
| AP | Sound power level for heating(indoor/outdoor)  | L <sub>WA</sub>       | - / 84,0                 | dB                                               |
| AQ | Emissions of nitrogen oxides (if applicable)   | Nox (***)             | N/A                      | mg/kWh fuel input GCV <sup>(AR)</sup>            |
| AT | GWP of the refrigerant                         |                       | 2087,5                   | kgCO <sub>2</sub> eq (100 years) <sup>(AU)</sup> |

|    | Item <sup>(H)</sup>                                                                             | Symbol <sup>(I)</sup> | Value <sup>(J)</sup> | Unit <sup>(K)</sup> |
|----|-------------------------------------------------------------------------------------------------|-----------------------|----------------------|---------------------|
| AK | Other items                                                                                     |                       |                      |                     |
| AN | For air-to-air heat pumps/air conditioners : air flow rate, outdoor measured                    | -                     | 11760                | m³/h                |
| AS | For water/brine-to air heat pumps: Rated brined or water flow rate, outdoor side heat exchanger | -                     | N/A                  | m³/h                |

|    |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                          |  |  |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| AV | Contact details                                                                                                                                                                                                                    | Samsung, PO Box 12987, Blackrock, Co. Dublin. IE or Euro QA Lab. Saxony Way, Yateley, Hampshire GU46 6GG, UK<br>Samsung Türkiye Merkez Ofis, Flatofis İstanbul İş Merkezi Otakçılar Caddesi No: 78 Kat 3 No: B3 İstanbul |  |  |
| AW | **= If Cd is not determined by measurement then the default degradation coefficient shall be 0,25.                                                                                                                                 |                                                                                                                                                                                                                          |  |  |
| AX | *** From 26 September 2018.                                                                                                                                                                                                        |                                                                                                                                                                                                                          |  |  |
| AY | Where information relates to multi-split, the test result and performance data may be obtained on the basis of the performance of the out-door unit, with a combination of indoor unit(s) recommended by manufacturer or importer. |                                                                                                                                                                                                                          |  |  |
| AZ | For multi-split heat pumps/air conditioners, a list of appropriate indoor units: AM*****D**, AM*****P**, AM*****F**                                                                                                                |                                                                                                                                                                                                                          |  |  |
| BA | If you are a professional looking for information on non-destructive disassembly, dismantling and battery removability, please send an email to: erims.sec@samsung.com.                                                            |                                                                                                                                                                                                                          |  |  |

# COMMISSION REGULATION (EU) No 2016/2281 <sup>1)</sup>

## ECODESIGN REQUIREMENTS FOR heat pumps/air conditioners <sup>1)</sup>

### Information requirements <sup>1))</sup>

|   |                                                                                                                                                     |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| A | Information to identify the model(s) to which the information relates : AM140AXVGGH                                                                 |
| B | Outdoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                      |
| C | Indoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                       |
| D | Indication if the heater is equipped with a supplementary heater: No                                                                                |
| E | Type: [compressor driven vapour compression or sorption process] Compressor driven vapour compression                                               |
| F | If applicable: driver of compressor: [electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine] Electric motor |
| G | Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.                     |

| Item <sup>(1))</sup>                                | Symbol <sup>(1)</sup>                                                                                                    | Value <sup>(1)</sup>                | Unit <sup>(1)</sup> |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------|
| L                                                   | Rated cooling capacity                                                                                                   | P <sub>rated,c</sub> <sup>(M)</sup> | 40,0 kW             |
| O                                                   | Declared cooling capacity for part load at given outdoor temperatures T <sub>j</sub> and indoor 27°C/19°C (dry/wet bulb) |                                     |                     |
| -                                                   | T <sub>j</sub> = 35 °C                                                                                                   | P <sub>dc</sub>                     | 40,0 kW             |
|                                                     | T <sub>j</sub> = 30 °C                                                                                                   | P <sub>dc</sub>                     | 29,6 kW             |
|                                                     | T <sub>j</sub> = 25 °C                                                                                                   | P <sub>dc</sub>                     | 18,8 kW             |
|                                                     | T <sub>j</sub> = 20 °C                                                                                                   | P <sub>dc</sub>                     | 8,4 kW              |
| Q                                                   | Degradation co-efficient for air conditioners(**)                                                                        | C <sub>dc</sub>                     | 0,25 -              |
| Power consumption in modes other than 'active mode' |                                                                                                                          |                                     |                     |
| AE                                                  | Off mode                                                                                                                 | P <sub>OFF</sub>                    | 0,030 kW            |
| AG                                                  | Thermostat-off mode                                                                                                      | P <sub>TO</sub>                     | 0,000 kW            |

| Item <sup>(1))</sup> | Symbol <sup>(1)</sup>                                                                                      | Value <sup>(1)</sup> | Unit <sup>(1)</sup> |
|----------------------|------------------------------------------------------------------------------------------------------------|----------------------|---------------------|
| R                    | Rated heating capacity                                                                                     | P <sub>rated,h</sub> | 40,0 kW             |
| T                    | Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                      |                     |
| -                    | T <sub>j</sub> = - 7 °C                                                                                    | P <sub>dh</sub>      | 19,9 kW             |
|                      | T <sub>j</sub> = 2 °C                                                                                      | P <sub>dh</sub>      | 12,2 kW             |
|                      | T <sub>j</sub> = 7 °C                                                                                      | P <sub>dh</sub>      | 7,9 kW              |
|                      | T <sub>j</sub> = 12 °C                                                                                     | P <sub>dh</sub>      | 3,4 kW              |
| V                    | T <sub>biv</sub> = bivalent temperature                                                                    | P <sub>dh</sub>      | 22,6 kW             |
| W                    | T <sub>OL</sub> = operating limit                                                                          | P <sub>dh</sub>      | 24,0 kW             |
| X                    | For air-to-water heat pumps: T <sub>j</sub> = -15°C (if T <sub>OL</sub> < -20°C)                           | P <sub>dh</sub>      | N/A kW              |
| Z                    | Bivalent temperature                                                                                       | T <sub>biv</sub>     | -10 °C              |
| AB                   | Degradation co-efficient heat pumps(**)                                                                    | C <sub>dh</sub>      | 0,25 -              |

|                                                     |                       |                  |          |
|-----------------------------------------------------|-----------------------|------------------|----------|
| Power consumption in modes other than 'active mode' |                       |                  |          |
| AE                                                  | Off mode              | P <sub>OFF</sub> | 0,030 kW |
| AG                                                  | Thermostat-off mode   | P <sub>TO</sub>  | 0,030 kW |
| AI                                                  | Crankcase heater mode | P <sub>CK</sub>  | 0,062 kW |

| Other items |                                                |                          |                                                         |
|-------------|------------------------------------------------|--------------------------|---------------------------------------------------------|
| AL          | Capacity control                               | variable <sup>(AM)</sup> |                                                         |
| AO          | Sound power level for cooling (indoor/outdoor) | L <sub>WA</sub>          | - / 81,0 dB                                             |
| AP          | Sound power level for heating(indoor/outdoor)  | L <sub>WA</sub>          | - / 84,0 dB                                             |
| AQ          | Emissions of nitrogen oxides (if applicable)   | Nox (***)                | N/A mg/kWh fuel input GCV <sup>(AR)</sup>               |
| AT          | GWP of the refrigerant                         |                          | 2087,5 kgCO <sub>2</sub> eq (100 years) <sup>(AU)</sup> |

| Item <sup>(1))</sup> | Symbol <sup>(1)</sup>                                                                       | Value <sup>(1)</sup> | Unit <sup>(1)</sup> |
|----------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|
| N                    | Seasonal space cooling energy efficiency                                                    | η <sub>sc</sub>      | 265,0 %             |
| P                    | Declared energy efficiency ratio for part load at given outdoor temperatures T <sub>j</sub> |                      |                     |
| -                    | T <sub>j</sub> = 35 °C                                                                      | EER <sub>d</sub>     | 2,4 -               |
|                      | T <sub>j</sub> = 30 °C                                                                      | EER <sub>d</sub>     | 4,3 -               |
|                      | T <sub>j</sub> = 25 °C                                                                      | EER <sub>d</sub>     | 7,6 -               |
|                      | T <sub>j</sub> = 20 °C                                                                      | EER <sub>d</sub>     | 19,4 -              |

|                                                     |                       |                 |          |
|-----------------------------------------------------|-----------------------|-----------------|----------|
| Power consumption in modes other than 'active mode' |                       |                 |          |
| AI                                                  | Crankcase heater mode | P <sub>ck</sub> | 0,000 kW |
| AJ                                                  | Standby mode          | P <sub>SB</sub> | 0,030 kW |

| Item <sup>(1))</sup> | Symbol <sup>(1)</sup>                                                                                                     | Value <sup>(1)</sup> | Unit <sup>(1)</sup> |
|----------------------|---------------------------------------------------------------------------------------------------------------------------|----------------------|---------------------|
| S                    | Seasonal space heating energy efficiency                                                                                  | η <sub>sh</sub>      | 167,0 %             |
| U                    | Declared coefficient of performance* / Average season, at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                      |                     |
| -                    | T <sub>j</sub> = - 7 °C                                                                                                   | COP <sub>d</sub>     | 2,5 -               |
|                      | T <sub>j</sub> = 2 °C                                                                                                     | COP <sub>d</sub>     | 4,0 -               |
|                      | T <sub>j</sub> = 7 °C                                                                                                     | COP <sub>d</sub>     | 6,5 -               |
|                      | T <sub>j</sub> = 12 °C                                                                                                    | COP <sub>d</sub>     | 6,8 -               |
| V                    | T <sub>j</sub> = bivalent temperature                                                                                     | COP <sub>d</sub>     | 2,1 -               |
| W                    | T <sub>j</sub> = operating limit                                                                                          | COP <sub>d</sub>     | 2,2 -               |
| Y                    | For water-to-air heat pumps: T <sub>j</sub> = -15°C (if T <sub>OL</sub> < -20°C)                                          | COP <sub>d</sub>     | N/A -               |
| AA                   | For water-to-air heat pumps: Operation limit temperature                                                                  | T <sub>ol</sub>      | N/A °C              |

|                      |                          |                 |          |
|----------------------|--------------------------|-----------------|----------|
| Supplementary heater |                          |                 |          |
| AF                   | Back-up heating capacity | elbu            | N/A kW   |
| AH                   | Type of energy input     |                 |          |
| AJ                   | Standby mode             | P <sub>SB</sub> | 0,030 kW |

| Other items |                                                                                                 |   |                         |
|-------------|-------------------------------------------------------------------------------------------------|---|-------------------------|
| AN          | For air-to-air heat pumps/air conditioners : air flow rate, outdoor measured                    | - | 17460 m <sup>3</sup> /h |
| AS          | For water/brine-to air heat pumps: Rated brined or water flow rate, outdoor side heat exchanger | - | N/A m <sup>3</sup> /h   |

|    |                 |                                                                                                                                                                                                                          |  |
|----|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| AV | Contact details | Samsung, PO Box 12987, Blackrock, Co. Dublin. IE or Euro QA Lab. Saxony Way, Yateley, Hampshire GU46 6GG, UK<br>Samsung Türkiye Merkez Ofis, Flatofis İstanbul İş Merkezi Otakçılar Caddesi No: 78 Kat 3 No: B3 İstanbul |  |
|----|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|

AW \*\*= If Cd is not determined by measurement then the default degradation coefficient shall be 0,25.

AX \*\*\* From 26 September 2018.

AY Where information relates to multi-split, the test result and performance data may be obtained on the basis of the performance of the out-door unit, with a combination of indoor unit(s) recommended by manufacturer or importer.

AZ For multi-split heat pumps/air conditioners, a list of appropriate indoor units: AM\*\*\*\*\*N\*D\*\*\*, AM\*\*\*\*\*N\*P\*\*\*, AM\*\*\*\*\*N\*F\*\*

BA If you are a professional looking for information on non-destructive disassembly, dismantling and battery removability, please send an email to: erims.sec@samsung.com.

# COMMISSION REGULATION (EU) No 2016/2281 <sup>1)</sup>

## ECODESIGN REQUIREMENTS FOR heat pumps/air conditioners <sup>1)</sup>

| Information requirements <sup>III)</sup> |                                                                                                                                                     |  |  |  |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| A                                        | Information to identify the model(s) to which the information relates : AM160AXVGGH                                                                 |  |  |  |
| B                                        | Outdoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                      |  |  |  |
| C                                        | Indoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                       |  |  |  |
| D                                        | Indication if the heater is equipped with a supplementary heater: No                                                                                |  |  |  |
| E                                        | Type: [compressor driven vapour compression or sorption process] Compressor driven vapour compression                                               |  |  |  |
| F                                        | If applicable: driver of compressor: [electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine] Electric motor |  |  |  |
| G                                        | Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.                     |  |  |  |

|    | Item <sup>(H)</sup>                                                                                                      | Symbol <sup>(I)</sup>               | Value <sup>(J)</sup> | Unit <sup>(K)</sup> |
|----|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------|---------------------|
| L  | Rated cooling capacity                                                                                                   | P <sub>rated,c</sub> <sup>(M)</sup> | 45,0                 | kW                  |
| O  | Declared cooling capacity for part load at given outdoor temperatures T <sub>j</sub> and indoor 27°C/19°C (dry/wet bulb) |                                     |                      |                     |
| -  | T <sub>j</sub> = 35 °C                                                                                                   | P <sub>dc</sub>                     | 45,0                 | kW                  |
|    | T <sub>j</sub> = 30 °C                                                                                                   | P <sub>dc</sub>                     | 33,3                 | kW                  |
|    | T <sub>j</sub> = 25 °C                                                                                                   | P <sub>dc</sub>                     | 21,2                 | kW                  |
|    | T <sub>j</sub> = 20 °C                                                                                                   | P <sub>dc</sub>                     | 9,5                  | kW                  |
| Q  | Degradation co-efficient for air conditioners(**)                                                                        | C <sub>dc</sub>                     | 0,25                 | -                   |
| AC | Power consumption in modes other than 'active mode'                                                                      |                                     |                      |                     |
| AE | Off mode                                                                                                                 | P <sub>OFF</sub>                    | 0,030                | kW                  |
| AG | Thermostat-off mode                                                                                                      | P <sub>TO</sub>                     | 0,000                | kW                  |

|    | Item <sup>(H)</sup>                                                                         | Symbol <sup>(I)</sup> | Value <sup>(J)</sup> | Unit <sup>(K)</sup> |
|----|---------------------------------------------------------------------------------------------|-----------------------|----------------------|---------------------|
| N  | Seasonal space cooling energy efficiency                                                    | η <sub>s,c</sub>      | 273,0                | %                   |
| P  | Declared energy efficiency ratio for part load at given outdoor temperatures T <sub>j</sub> |                       |                      |                     |
| -  | T <sub>j</sub> = 35 °C                                                                      | EER <sub>d</sub>      | 2,6                  | -                   |
|    | T <sub>j</sub> = 30 °C                                                                      | EER <sub>d</sub>      | 4,5                  | -                   |
|    | T <sub>j</sub> = 25 °C                                                                      | EER <sub>d</sub>      | 7,6                  | -                   |
|    | T <sub>j</sub> = 20 °C                                                                      | EER <sub>d</sub>      | 19,4                 | -                   |
| AC | Power consumption in modes other than 'active mode'                                         |                       |                      |                     |
| AI | Crankcase heater mode                                                                       | P <sub>ck</sub>       | 0,000                | kW                  |
| AJ | Standby mode                                                                                | P <sub>sB</sub>       | 0,030                | kW                  |

|    | Item <sup>(H)</sup>                                                                                        | Symbol <sup>(I)</sup> | Value <sup>(J)</sup> | Unit <sup>(K)</sup> |
|----|------------------------------------------------------------------------------------------------------------|-----------------------|----------------------|---------------------|
| R  | Rated heating capacity                                                                                     | P <sub>rated,h</sub>  | 45,0                 | kW                  |
| T  | Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                       |                      |                     |
| -  | T <sub>j</sub> = - 7 °C                                                                                    | P <sub>dh</sub>       | 22,0                 | kW                  |
|    | T <sub>j</sub> = 2 °C                                                                                      | P <sub>dh</sub>       | 13,5                 | kW                  |
|    | T <sub>j</sub> = 7 °C                                                                                      | P <sub>dh</sub>       | 8,8                  | kW                  |
|    | T <sub>j</sub> = 12 °C                                                                                     | P <sub>dh</sub>       | 3,8                  | kW                  |
| V  | T <sub>biv</sub> = bivalent temperature                                                                    | P <sub>dh</sub>       | 25,0                 | kW                  |
| W  | T <sub>OL</sub> = operating limit                                                                          | P <sub>dh</sub>       | 27,0                 | kW                  |
| X  | For air-to-water heat pumps: T <sub>j</sub> = -15°C (if T <sub>OL</sub> <-20°C)                            | P <sub>dh</sub>       | N/A                  | kW                  |
| Z  | Bivalent temperature                                                                                       | T <sub>biv</sub>      | -10                  | °C                  |
| AB | Degradation co-efficient heat pumps(**)                                                                    | C <sub>dh</sub>       | 0,25                 | -                   |
| AC | Power consumption in modes other than 'active mode'                                                        |                       |                      |                     |
| AE | Off mode                                                                                                   | P <sub>OFF</sub>      | 0,030                | kW                  |
| AG | Thermostat-off mode                                                                                        | P <sub>TO</sub>       | 0,030                | kW                  |
| AI | Crankcase heater mode                                                                                      | P <sub>CK</sub>       | 0,062                | kW                  |

|    | Item <sup>(H)</sup>                                                                                                       | Symbol <sup>(I)</sup> | Value <sup>(J)</sup> | Unit <sup>(K)</sup> |
|----|---------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------|---------------------|
| S  | Seasonal space heating energy efficiency                                                                                  | η <sub>s,h</sub>      | 169,0                | %                   |
| U  | Declared coefficient of performance* / Average season, at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                       |                      |                     |
| -  | T <sub>j</sub> = -7 °C                                                                                                    | COP <sub>d</sub>      | 2,5                  | -                   |
|    | T <sub>j</sub> = 2 °C                                                                                                     | COP <sub>d</sub>      | 4,1                  | -                   |
|    | T <sub>j</sub> = 7 °C                                                                                                     | COP <sub>d</sub>      | 6,4                  | -                   |
|    | T <sub>j</sub> = 12 °C                                                                                                    | COP <sub>d</sub>      | 6,8                  | -                   |
| V  | T <sub>j</sub> = bivalent temperature                                                                                     | COP <sub>d</sub>      | 2,3                  | -                   |
| W  | T <sub>j</sub> = operating limit                                                                                          | COP <sub>d</sub>      | 2,2                  | -                   |
| Y  | For water-to-air heat pumps: T <sub>j</sub> = -15°C (if T <sub>OL</sub> <-20°C)                                           | COP <sub>d</sub>      | N/A                  | -                   |
| AA | For water-to-air heat pumps: Operation limit temperature                                                                  | T <sub>ol</sub>       | N/A                  | °C                  |
| AD | Supplementary heater                                                                                                      |                       |                      |                     |
| AF | Back-up heating capacity                                                                                                  | el <sub>bu</sub>      | N/A                  | kW                  |
| AH | Type of energy input                                                                                                      |                       |                      |                     |
| AJ | Standby mode                                                                                                              | P <sub>sB</sub>       | 0,030                | kW                  |

|    | Item <sup>(H)</sup>                            | Symbol <sup>(I)</sup> | Value <sup>(J)</sup>     | Unit <sup>(K)</sup>                              |
|----|------------------------------------------------|-----------------------|--------------------------|--------------------------------------------------|
| AK | Other items                                    |                       |                          |                                                  |
| AL | Capacity control                               |                       | variable <sup>(AM)</sup> |                                                  |
| AO | Sound power level for cooling (indoor/outdoor) | L <sub>WA</sub>       | - / 81,0                 | dB                                               |
| AP | Sound power level for heating(indoor/outdoor)  | L <sub>WA</sub>       | - / 83,0                 | dB                                               |
| AQ | Emissions of nitrogen oxides (if applicable)   | Nox (***)             | N/A                      | mg/kWh fuel input GCV <sup>(AR)</sup>            |
| AT | GWP of the refrigerant                         |                       | 2087,5                   | kgCO <sub>2</sub> eq (100 years) <sup>(AU)</sup> |

|    | Item <sup>(H)</sup>                                                                             | Symbol <sup>(I)</sup> | Value <sup>(J)</sup> | Unit <sup>(K)</sup> |
|----|-------------------------------------------------------------------------------------------------|-----------------------|----------------------|---------------------|
| AK | Other items                                                                                     |                       |                      |                     |
| AN | For air-to-air heat pumps/air conditioners : air flow rate, outdoor measured                    | -                     | 17520                | m³/h                |
| AS | For water/brine-to air heat pumps: Rated brined or water flow rate, outdoor side heat exchanger | -                     | N/A                  | m³/h                |

|    |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                          |  |  |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| AV | Contact details                                                                                                                                                                                                                    | Samsung, PO Box 12987, Blackrock, Co. Dublin. IE or Euro QA Lab. Saxony Way, Yateley, Hampshire GU46 6GG, UK<br>Samsung Türkiye Merkez Ofis, Flatofis İstanbul İş Merkezi Otakçılar Caddesi No: 78 Kat 3 No: B3 İstanbul |  |  |
| AW | **= If Cd is not determined by measurement then the default degradation coefficient shall be 0,25.                                                                                                                                 |                                                                                                                                                                                                                          |  |  |
| AX | *** From 26 September 2018.                                                                                                                                                                                                        |                                                                                                                                                                                                                          |  |  |
| AY | Where information relates to multi-split, the test result and performance data may be obtained on the basis of the performance of the out-door unit, with a combination of indoor unit(s) recommended by manufacturer or importer. |                                                                                                                                                                                                                          |  |  |
| AZ | For multi-split heat pumps/air conditioners, a list of appropriate indoor units: AM*****D**, AM*****P**, AM*****F**                                                                                                                |                                                                                                                                                                                                                          |  |  |
| BA | If you are a professional looking for information on non-destructive disassembly, dismantling and battery removability, please send an email to: erims.sec@samsung.com.                                                            |                                                                                                                                                                                                                          |  |  |

# COMMISSION REGULATION (EU) No 2016/2281 <sup>1)</sup>

## ECODESIGN REQUIREMENTS FOR heat pumps/air conditioners <sup>1)</sup>

### Information requirements <sup>1))</sup>

|   |                                                                                                                                                     |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| A | Information to identify the model(s) to which the information relates : AM180AXVGGH                                                                 |
| B | Outdoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                      |
| C | Indoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                       |
| D | Indication if the heater is equipped with a supplementary heater: No                                                                                |
| E | Type: [compressor driven vapour compression or sorption process] Compressor driven vapour compression                                               |
| F | If applicable: driver of compressor: [electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine] Electric motor |
| G | Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.                     |

| Item <sup>(1))</sup>                                | Symbol <sup>(1)</sup>                                                                                                    | Value <sup>(2)</sup>                | Unit <sup>(3)</sup> |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------|
| L                                                   | Rated cooling capacity                                                                                                   | P <sub>rated,c</sub> <sup>(M)</sup> | 50,4 kW             |
| O                                                   | Declared cooling capacity for part load at given outdoor temperatures T <sub>j</sub> and indoor 27°C/19°C (dry/wet bulb) |                                     |                     |
| -                                                   | T <sub>j</sub> = 35 °C                                                                                                   | P <sub>dc</sub>                     | 50,4 kW             |
|                                                     | T <sub>j</sub> = 30 °C                                                                                                   | P <sub>dc</sub>                     | 37,3 kW             |
|                                                     | T <sub>j</sub> = 25 °C                                                                                                   | P <sub>dc</sub>                     | 23,7 kW             |
|                                                     | T <sub>j</sub> = 20 °C                                                                                                   | P <sub>dc</sub>                     | 10,6 kW             |
| Q                                                   | Degradation co-efficient for air conditioners(**)                                                                        | C <sub>dc</sub>                     | 0,25 -              |
| Power consumption in modes other than 'active mode' |                                                                                                                          |                                     |                     |
| AE                                                  | Off mode                                                                                                                 | P <sub>OFF</sub>                    | 0,031 kW            |
| AG                                                  | Thermostat-off mode                                                                                                      | P <sub>TO</sub>                     | 0,000 kW            |

| Item <sup>(1))</sup> | Symbol <sup>(1)</sup>                                                                                      | Value <sup>(2)</sup> | Unit <sup>(3)</sup> |
|----------------------|------------------------------------------------------------------------------------------------------------|----------------------|---------------------|
| R                    | Rated heating capacity                                                                                     | P <sub>rated,h</sub> | 50,4 kW             |
| T                    | Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                      |                     |
| -                    | T <sub>j</sub> = - 7 °C                                                                                    | P <sub>dh</sub>      | 24,9 kW             |
|                      | T <sub>j</sub> = 2 °C                                                                                      | P <sub>dh</sub>      | 15,3 kW             |
|                      | T <sub>j</sub> = 7 °C                                                                                      | P <sub>dh</sub>      | 9,9 kW              |
|                      | T <sub>j</sub> = 12 °C                                                                                     | P <sub>dh</sub>      | 4,2 kW              |
| V                    | T <sub>biv</sub> = bivalent temperature                                                                    | P <sub>dh</sub>      | 28,3 kW             |
| W                    | T <sub>OL</sub> = operating limit                                                                          | P <sub>dh</sub>      | 30,2 kW             |
| X                    | For air-to-water heat pumps: T <sub>j</sub> = -15°C (if T <sub>OL</sub> < -20°C)                           | P <sub>dh</sub>      | N/A kW              |
| Z                    | Bivalent temperature                                                                                       | T <sub>biv</sub>     | -10 °C              |
| AB                   | Degradation co-efficient heat pumps(**)                                                                    | C <sub>dh</sub>      | 0,25 -              |

|                                                     |                       |                  |          |
|-----------------------------------------------------|-----------------------|------------------|----------|
| Power consumption in modes other than 'active mode' |                       |                  |          |
| AE                                                  | Off mode              | P <sub>OFF</sub> | 0,031 kW |
| AG                                                  | Thermostat-off mode   | P <sub>TO</sub>  | 0,031 kW |
| AI                                                  | Crankcase heater mode | P <sub>CK</sub>  | 0,062 kW |

| Other items |                                                |                          |                                                         |
|-------------|------------------------------------------------|--------------------------|---------------------------------------------------------|
| AL          | Capacity control                               | variable <sup>(AM)</sup> |                                                         |
| AO          | Sound power level for cooling (indoor/outdoor) | L <sub>WA</sub>          | - / 81,0 dB                                             |
| AP          | Sound power level for heating(indoor/outdoor)  | L <sub>WA</sub>          | - / 83,0 dB                                             |
| AQ          | Emissions of nitrogen oxides (if applicable)   | Nox (***)                | N/A mg/kWh fuel input GCV <sup>(AR)</sup>               |
| AT          | GWP of the refrigerant                         |                          | 2087,5 kgCO <sub>2</sub> eq (100 years) <sup>(AU)</sup> |

| Item <sup>(1))</sup> | Symbol <sup>(1)</sup>                                                                       | Value <sup>(2)</sup> | Unit <sup>(3)</sup> |
|----------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|
| N                    | Seasonal space cooling energy efficiency                                                    | η <sub>sc</sub>      | 297,0 %             |
| P                    | Declared energy efficiency ratio for part load at given outdoor temperatures T <sub>j</sub> |                      |                     |
| -                    | T <sub>j</sub> = 35 °C                                                                      | EER <sub>d</sub>     | 2,9 -               |
|                      | T <sub>j</sub> = 30 °C                                                                      | EER <sub>d</sub>     | 4,8 -               |
|                      | T <sub>j</sub> = 25 °C                                                                      | EER <sub>d</sub>     | 8,5 -               |
|                      | T <sub>j</sub> = 20 °C                                                                      | EER <sub>d</sub>     | 20,0 -              |

|                                                     |                       |                 |          |
|-----------------------------------------------------|-----------------------|-----------------|----------|
| Power consumption in modes other than 'active mode' |                       |                 |          |
| AI                                                  | Crankcase heater mode | P <sub>ck</sub> | 0,000 kW |
| AJ                                                  | Standby mode          | P <sub>SB</sub> | 0,031 kW |

| Item <sup>(1))</sup> | Symbol <sup>(1)</sup>                                                                                                     | Value <sup>(2)</sup> | Unit <sup>(3)</sup> |
|----------------------|---------------------------------------------------------------------------------------------------------------------------|----------------------|---------------------|
| S                    | Seasonal space heating energy efficiency                                                                                  | η <sub>sh</sub>      | 189,0 %             |
| U                    | Declared coefficient of performance* / Average season, at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                      |                     |
| -                    | T <sub>j</sub> = - 7 °C                                                                                                   | COP <sub>d</sub>     | 3,3 -               |
|                      | T <sub>j</sub> = 2 °C                                                                                                     | COP <sub>d</sub>     | 4,5 -               |
|                      | T <sub>j</sub> = 7 °C                                                                                                     | COP <sub>d</sub>     | 6,8 -               |
|                      | T <sub>j</sub> = 12 °C                                                                                                    | COP <sub>d</sub>     | 7,0 -               |
| V                    | T <sub>j</sub> = bivalent temperature                                                                                     | COP <sub>d</sub>     | 2,6 -               |
| W                    | T <sub>j</sub> = operating limit                                                                                          | COP <sub>d</sub>     | 2,2 -               |
| Y                    | For water-to-air heat pumps: T <sub>j</sub> = -15°C (if T <sub>OL</sub> < -20°C)                                          | COP <sub>d</sub>     | N/A -               |
| AA                   | For water-to-air heat pumps: Operation limit temperature                                                                  | T <sub>ol</sub>      | N/A °C              |

|                      |                          |                 |          |
|----------------------|--------------------------|-----------------|----------|
| Supplementary heater |                          |                 |          |
| AF                   | Back-up heating capacity | elbu            | N/A kW   |
| AH                   | Type of energy input     |                 |          |
| AJ                   | Standby mode             | P <sub>SB</sub> | 0,031 kW |

| Other items |                                                                                                 |   |                         |
|-------------|-------------------------------------------------------------------------------------------------|---|-------------------------|
| AN          | For air-to-air heat pumps/air conditioners : air flow rate, outdoor measured                    | - | 18780 m <sup>3</sup> /h |
| AS          | For water/brine-to air heat pumps: Rated brined or water flow rate, outdoor side heat exchanger | - | N/A m <sup>3</sup> /h   |

|    |                 |                                                                                                                                                                                                                          |  |
|----|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| AV | Contact details | Samsung, PO Box 12987, Blackrock, Co. Dublin. IE or Euro QA Lab. Saxony Way, Yateley, Hampshire GU46 6GG, UK<br>Samsung Türkiye Merkez Ofis, Flatofis İstanbul İş Merkezi Otakçılar Caddesi No: 78 Kat 3 No: B3 İstanbul |  |
|----|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|

AW \*\*= If Cd is not determined by measurement then the default degradation coefficient shall be 0,25.

AX \*\*\* From 26 September 2018.

AY Where information relates to multi-split, the test result and performance data may be obtained on the basis of the performance of the out-door unit, with a combination of indoor unit(s) recommended by manufacturer or importer.

AZ For multi-split heat pumps/air conditioners, a list of appropriate indoor units: AMXXXXNxDXX, AMXXXXNXPXX, AMXXXXNFXFX

BA If you are a professional looking for information on non-destructive disassembly, dismantling and battery removability, please send an email to: erims.sec@samsung.com.

# COMMISSION REGULATION (EU) No 2016/2281 <sup>1)</sup>

## ECODESIGN REQUIREMENTS FOR heat pumps/air conditioners <sup>1)</sup>

| Information requirements <sup>III)</sup> |                                                                                                                                                     |                                     |                      |                     |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------|---------------------|
| A                                        | Information to identify the model(s) to which the information relates : AM200AXVGGH                                                                 |                                     |                      |                     |
| B                                        | Outdoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                      |                                     |                      |                     |
| C                                        | Indoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                       |                                     |                      |                     |
| D                                        | Indication if the heater is equipped with a supplementary heater: No                                                                                |                                     |                      |                     |
| E                                        | Type: [compressor driven vapour compression or sorption process] Compressor driven vapour compression                                               |                                     |                      |                     |
| F                                        | If applicable: driver of compressor: [electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine] Electric motor |                                     |                      |                     |
| G                                        | Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.                     |                                     |                      |                     |
|                                          | Item <sup>(H)</sup>                                                                                                                                 | Symbol <sup>(I)</sup>               | Value <sup>(J)</sup> | Unit <sup>(K)</sup> |
| L                                        | Rated cooling capacity                                                                                                                              | P <sub>rated,c</sub> <sup>(M)</sup> | 56,0                 | kW                  |
| O                                        | Declared cooling capacity for part load at given outdoor temperatures T <sub>j</sub> and indoor 27°C/19°C (dry/wet bulb)                            |                                     |                      |                     |
| -                                        | T <sub>j</sub> = 35 °C                                                                                                                              | P <sub>dc</sub>                     | 56,0                 | kW                  |
|                                          | T <sub>j</sub> = 30 °C                                                                                                                              | P <sub>dc</sub>                     | 41,4                 | kW                  |
|                                          | T <sub>j</sub> = 25 °C                                                                                                                              | P <sub>dc</sub>                     | 26,3                 | kW                  |
|                                          | T <sub>j</sub> = 20 °C                                                                                                                              | P <sub>dc</sub>                     | 11,8                 | kW                  |
| Q                                        | Degradation co-efficient for air conditioners(**)                                                                                                   | C <sub>dc</sub>                     | 0,25                 | -                   |
| AC                                       | Power consumption in modes other than 'active mode'                                                                                                 |                                     |                      |                     |
| AE                                       | Off mode                                                                                                                                            | P <sub>OFF</sub>                    | 0,031                | kW                  |
| AG                                       | Thermostat-off mode                                                                                                                                 | P <sub>TO</sub>                     | 0,000                | kW                  |

|    | Item <sup>(H)</sup>                                                                         | Symbol <sup>(I)</sup> | Value <sup>(J)</sup> | Unit <sup>(K)</sup> |
|----|---------------------------------------------------------------------------------------------|-----------------------|----------------------|---------------------|
| N  | Seasonal space cooling energy efficiency                                                    | η <sub>s,c</sub>      | 257,0                | %                   |
| P  | Declared energy efficiency ratio for part load at given outdoor temperatures T <sub>j</sub> |                       |                      |                     |
| -  | T <sub>j</sub> = 35 °C                                                                      | EER <sub>d</sub>      | 2,3                  | -                   |
|    | T <sub>j</sub> = 30 °C                                                                      | EER <sub>d</sub>      | 4,1                  | -                   |
|    | T <sub>j</sub> = 25 °C                                                                      | EER <sub>d</sub>      | 7,4                  | -                   |
|    | T <sub>j</sub> = 20 °C                                                                      | EER <sub>d</sub>      | 19,2                 | -                   |
| AC | Power consumption in modes other than 'active mode'                                         |                       |                      |                     |
| AI | Crankcase heater mode                                                                       | P <sub>ck</sub>       | 0,000                | kW                  |
| AJ | Standby mode                                                                                | P <sub>sB</sub>       | 0,031                | kW                  |

|    | Item <sup>(H)</sup>                                                                                        | Symbol <sup>(I)</sup> | Value <sup>(J)</sup> | Unit <sup>(K)</sup> |
|----|------------------------------------------------------------------------------------------------------------|-----------------------|----------------------|---------------------|
| R  | Rated heating capacity                                                                                     | P <sub>rated,h</sub>  | 56,0                 | kW                  |
| T  | Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                       |                      |                     |
| -  | T <sub>j</sub> = - 7 °C                                                                                    | P <sub>dh</sub>       | 27,4                 | kW                  |
|    | T <sub>j</sub> = 2 °C                                                                                      | P <sub>dh</sub>       | 16,8                 | kW                  |
|    | T <sub>j</sub> = 7 °C                                                                                      | P <sub>dh</sub>       | 10,9                 | kW                  |
|    | T <sub>j</sub> = 12 °C                                                                                     | P <sub>dh</sub>       | 4,7                  | kW                  |
| V  | T <sub>biv</sub> = bivalent temperature                                                                    | P <sub>dh</sub>       | 31,1                 | kW                  |
| W  | T <sub>OL</sub> = operating limit                                                                          | P <sub>dh</sub>       | 33,6                 | kW                  |
| X  | For air-to-water heat pumps: T <sub>j</sub> = -15°C (if T <sub>OL</sub> <-20°C)                            | P <sub>dh</sub>       | N/A                  | kW                  |
| Z  | Bivalent temperature                                                                                       | T <sub>biv</sub>      | -10                  | °C                  |
| AB | Degradation co-efficient heat pumps(**)                                                                    | C <sub>dh</sub>       | 0,25                 | -                   |

|    |                                                     |                  |       |    |
|----|-----------------------------------------------------|------------------|-------|----|
| AC | Power consumption in modes other than 'active mode' |                  |       |    |
| AE | Off mode                                            | P <sub>OFF</sub> | 0,031 | kW |
| AG | Thermostat-off mode                                 | P <sub>TO</sub>  | 0,031 | kW |
| AI | Crankcase heater mode                               | P <sub>CK</sub>  | 0,062 | kW |

|    | Item <sup>(H)</sup>                                                                                                       | Symbol <sup>(I)</sup> | Value <sup>(J)</sup> | Unit <sup>(K)</sup> |
|----|---------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------|---------------------|
| S  | Seasonal space heating energy efficiency                                                                                  | η <sub>s,h</sub>      | 177,0                | %                   |
| U  | Declared coefficient of performance* / Average season, at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                       |                      |                     |
| -  | T <sub>j</sub> = -7 °C                                                                                                    | COP <sub>d</sub>      | 2,8                  | -                   |
|    | T <sub>j</sub> = 2 °C                                                                                                     | COP <sub>d</sub>      | 4,2                  | -                   |
|    | T <sub>j</sub> = 7 °C                                                                                                     | COP <sub>d</sub>      | 6,7                  | -                   |
|    | T <sub>j</sub> = 12 °C                                                                                                    | COP <sub>d</sub>      | 7,0                  | -                   |
| V  | T <sub>j</sub> = bivalent temperature                                                                                     | COP <sub>d</sub>      | 2,4                  | -                   |
| W  | T <sub>j</sub> = operating limit                                                                                          | COP <sub>d</sub>      | 2,0                  | -                   |
| Y  | For water-to-air heat pumps: T <sub>j</sub> = -15°C (if T <sub>OL</sub> <-20°C)                                           | COP <sub>d</sub>      | N/A                  | -                   |
| AA | For water-to-air heat pumps: Operation limit temperature                                                                  | T <sub>ol</sub>       | N/A                  | °C                  |

|    |                          |                  |       |    |
|----|--------------------------|------------------|-------|----|
| AD | Supplementary heater     |                  |       |    |
| AF | Back-up heating capacity | el <sub>bu</sub> | N/A   | kW |
| AH | Type of energy input     |                  |       |    |
| AJ | Standby mode             | P <sub>sB</sub>  | 0,031 | kW |

|    | Other items                                    |                          |          |                                                  |
|----|------------------------------------------------|--------------------------|----------|--------------------------------------------------|
| AK |                                                |                          |          |                                                  |
| AL | Capacity control                               | variable <sup>(AM)</sup> |          |                                                  |
| AO | Sound power level for cooling (indoor/outdoor) | L <sub>WA</sub>          | - / 84,0 | dB                                               |
| AP | Sound power level for heating(indoor/outdoor)  | L <sub>WA</sub>          | - / 85,0 | dB                                               |
| AQ | Emissions of nitrogen oxides (if applicable)   | Nox (***)                | N/A      | mg/kWh fuel input GCV <sup>(AR)</sup>            |
| AT | GWP of the refrigerant                         |                          | 2087,5   | kgCO <sub>2</sub> eq (100 years) <sup>(AU)</sup> |

|    | Other items                                                                                     |   |       |      |
|----|-------------------------------------------------------------------------------------------------|---|-------|------|
| AK |                                                                                                 |   |       |      |
| AN | For air-to-air heat pumps/air conditioners : air flow rate, outdoor measured                    | - | 18780 | m³/h |
| AS | For water/brine-to air heat pumps: Rated brined or water flow rate, outdoor side heat exchanger | - | N/A   | m³/h |

|    |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                          |  |  |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| AV | Contact details                                                                                                                                                                                                                    | Samsung, PO Box 12987, Blackrock, Co. Dublin. IE or Euro QA Lab. Saxony Way, Yateley, Hampshire GU46 6GG, UK<br>Samsung Türkiye Merkez Ofis, Flatofis İstanbul İş Merkezi Otakçılar Caddesi No: 78 Kat 3 No: B3 İstanbul |  |  |
| AW | **= If Cd is not determined by measurement then the default degradation coefficient shall be 0,25.                                                                                                                                 |                                                                                                                                                                                                                          |  |  |
| AX | *** From 26 September 2018.                                                                                                                                                                                                        |                                                                                                                                                                                                                          |  |  |
| AY | Where information relates to multi-split, the test result and performance data may be obtained on the basis of the performance of the out-door unit, with a combination of indoor unit(s) recommended by manufacturer or importer. |                                                                                                                                                                                                                          |  |  |
| AZ | For multi-split heat pumps/air conditioners, a list of appropriate indoor units: AM*****D**, AM*****P**, AM*****F**                                                                                                                |                                                                                                                                                                                                                          |  |  |
| BA | If you are a professional looking for information on non-destructive disassembly, dismantling and battery removability, please send an email to: erims.sec@samsung.com.                                                            |                                                                                                                                                                                                                          |  |  |



# COMMISSION REGULATION (EU) No 2016/2281 <sup>1)</sup>

## ECODESIGN REQUIREMENTS FOR heat pumps/air conditioners <sup>1)</sup>

### Information requirements <sup>1))</sup>

|   |                                                                                                                                                     |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| A | Information to identify the model(s) to which the information relates : AM220AXVGGH                                                                 |
| B | Outdoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                      |
| C | Indoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                       |
| D | Indication if the heater is equipped with a supplementary heater: No                                                                                |
| E | Type: [compressor driven vapour compression or sorption process] Compressor driven vapour compression                                               |
| F | If applicable: driver of compressor: [electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine] Electric motor |
| G | Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.                     |

| Item <sup>(1))</sup>                                | Symbol <sup>(1)</sup>                                                                                                    | Value <sup>(2)</sup>                | Unit <sup>(3)</sup> |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------|
| L                                                   | Rated cooling capacity                                                                                                   | P <sub>rated,c</sub> <sup>(4)</sup> | 61,6 kW             |
| O                                                   | Declared cooling capacity for part load at given outdoor temperatures T <sub>j</sub> and indoor 27°C/19°C (dry/wet bulb) |                                     |                     |
| -                                                   | T <sub>j</sub> = 35 °C                                                                                                   | P <sub>dc</sub>                     | 61,6 kW             |
|                                                     | T <sub>j</sub> = 30 °C                                                                                                   | P <sub>dc</sub>                     | 45,6 kW             |
|                                                     | T <sub>j</sub> = 25 °C                                                                                                   | P <sub>dc</sub>                     | 29,0 kW             |
|                                                     | T <sub>j</sub> = 20 °C                                                                                                   | P <sub>dc</sub>                     | 12,9 kW             |
| Q                                                   | Degradation co-efficient for air conditioners(**)                                                                        | C <sub>dc</sub>                     | 0,25 -              |
| Power consumption in modes other than 'active mode' |                                                                                                                          |                                     |                     |
| AE                                                  | Off mode                                                                                                                 | P <sub>OFF</sub>                    | 0,040 kW            |
| AG                                                  | Thermostat-off mode                                                                                                      | P <sub>TO</sub>                     | 0,000 kW            |

| Item <sup>(1))</sup> | Symbol <sup>(1)</sup>                                                                                      | Value <sup>(2)</sup> | Unit <sup>(3)</sup> |
|----------------------|------------------------------------------------------------------------------------------------------------|----------------------|---------------------|
| R                    | Rated heating capacity                                                                                     | P <sub>rated,h</sub> | 61,6 kW             |
| T                    | Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                      |                     |
| -                    | T <sub>j</sub> = - 7 °C                                                                                    | P <sub>dh</sub>      | 28,0 kW             |
|                      | T <sub>j</sub> = 2 °C                                                                                      | P <sub>dh</sub>      | 17,2 kW             |
|                      | T <sub>j</sub> = 7 °C                                                                                      | P <sub>dh</sub>      | 11,1 kW             |
|                      | T <sub>j</sub> = 12 °C                                                                                     | P <sub>dh</sub>      | 4,8 kW              |
| V                    | T <sub>biv</sub> = bivalent temperature                                                                    | P <sub>dh</sub>      | 31,8 kW             |
| W                    | T <sub>OL</sub> = operating limit                                                                          | P <sub>dh</sub>      | 37,0 kW             |
| X                    | For air-to-water heat pumps: T <sub>j</sub> = -15°C (if T <sub>OL</sub> < -20°C)                           | P <sub>dh</sub>      | N/A kW              |
| Z                    | Bivalent temperature                                                                                       | T <sub>biv</sub>     | -10 °C              |
| AB                   | Degradation co-efficient heat pumps(**)                                                                    | C <sub>dh</sub>      | 0,25 -              |

|                                                     |                       |                  |          |
|-----------------------------------------------------|-----------------------|------------------|----------|
| Power consumption in modes other than 'active mode' |                       |                  |          |
| AE                                                  | Off mode              | P <sub>OFF</sub> | 0,040 kW |
| AG                                                  | Thermostat-off mode   | P <sub>TO</sub>  | 0,040 kW |
| AI                                                  | Crankcase heater mode | P <sub>CK</sub>  | 0,124 kW |

| Other items |                                                |                          |                                                         |
|-------------|------------------------------------------------|--------------------------|---------------------------------------------------------|
| AL          | Capacity control                               | variable <sup>(AM)</sup> |                                                         |
| AO          | Sound power level for cooling (indoor/outdoor) | L <sub>WA</sub>          | - / 86,0 dB                                             |
| AP          | Sound power level for heating(indoor/outdoor)  | L <sub>WA</sub>          | - / 87,0 dB                                             |
| AQ          | Emissions of nitrogen oxides (if applicable)   | Nox (***)                | N/A mg/kWh fuel input GCV <sup>(AR)</sup>               |
| AT          | GWP of the refrigerant                         |                          | 2087,5 kgCO <sub>2</sub> eq (100 years) <sup>(AU)</sup> |

| Item <sup>(1))</sup> | Symbol <sup>(1)</sup>                                                                       | Value <sup>(2)</sup> | Unit <sup>(3)</sup> |
|----------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|
| N                    | Seasonal space cooling energy efficiency                                                    | η <sub>sc</sub>      | 245,0 %             |
| P                    | Declared energy efficiency ratio for part load at given outdoor temperatures T <sub>j</sub> |                      |                     |
| -                    | T <sub>j</sub> = 35 °C                                                                      | EER <sub>d</sub>     | 2,1 -               |
|                      | T <sub>j</sub> = 30 °C                                                                      | EER <sub>d</sub>     | 3,9 -               |
|                      | T <sub>j</sub> = 25 °C                                                                      | EER <sub>d</sub>     | 7,2 -               |
|                      | T <sub>j</sub> = 20 °C                                                                      | EER <sub>d</sub>     | 18,6 -              |

|                                                     |                       |                 |          |
|-----------------------------------------------------|-----------------------|-----------------|----------|
| Power consumption in modes other than 'active mode' |                       |                 |          |
| AI                                                  | Crankcase heater mode | P <sub>ck</sub> | 0,000 kW |
| AJ                                                  | Standby mode          | P <sub>SB</sub> | 0,040 kW |

| Item <sup>(1))</sup> | Symbol <sup>(1)</sup>                                                                                                     | Value <sup>(2)</sup> | Unit <sup>(3)</sup> |
|----------------------|---------------------------------------------------------------------------------------------------------------------------|----------------------|---------------------|
| S                    | Seasonal space heating energy efficiency                                                                                  | η <sub>sh</sub>      | 169,0 %             |
| U                    | Declared coefficient of performance* / Average season, at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                      |                     |
| -                    | T <sub>j</sub> = - 7 °C                                                                                                   | COP <sub>d</sub>     | 2,5 -               |
|                      | T <sub>j</sub> = 2 °C                                                                                                     | COP <sub>d</sub>     | 4,0 -               |
|                      | T <sub>j</sub> = 7 °C                                                                                                     | COP <sub>d</sub>     | 6,7 -               |
|                      | T <sub>j</sub> = 12 °C                                                                                                    | COP <sub>d</sub>     | 7,1 -               |
| V                    | T <sub>j</sub> = bivalent temperature                                                                                     | COP <sub>d</sub>     | 2,3 -               |
| W                    | T <sub>j</sub> = operating limit                                                                                          | COP <sub>d</sub>     | 2,1 -               |
| Y                    | For water-to-air heat pumps: T <sub>j</sub> = -15°C (if T <sub>OL</sub> < -20°C)                                          | COP <sub>d</sub>     | N/A -               |
| AA                   | For water-to-air heat pumps: Operation limit temperature                                                                  | T <sub>ol</sub>      | N/A °C              |

|                      |                          |                 |          |
|----------------------|--------------------------|-----------------|----------|
| Supplementary heater |                          |                 |          |
| AF                   | Back-up heating capacity | elbu            | N/A kW   |
| AH                   | Type of energy input     |                 |          |
| AJ                   | Standby mode             | P <sub>SB</sub> | 0,040 kW |

| Other items |                                                                                                 |   |                         |
|-------------|-------------------------------------------------------------------------------------------------|---|-------------------------|
| AN          | For air-to-air heat pumps/air conditioners : air flow rate, outdoor measured                    | - | 20520 m <sup>3</sup> /h |
| AS          | For water/brine-to air heat pumps: Rated brined or water flow rate, outdoor side heat exchanger | - | N/A m <sup>3</sup> /h   |

|    |                 |                                                                                                                                                                                                                          |  |
|----|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| AV | Contact details | Samsung, PO Box 12987, Blackrock, Co. Dublin. IE or Euro QA Lab. Saxony Way, Yateley, Hampshire GU46 6GG, UK<br>Samsung Türkiye Merkez Ofis, Flatofis İstanbul İş Merkezi Otakçılar Caddesi No: 78 Kat 3 No: B3 İstanbul |  |
|----|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|

AW \*\*= If Cd is not determined by measurement then the default degradation coefficient shall be 0,25.

AX \*\*\* From 26 September 2018.

AY Where information relates to multi-split, the test result and performance data may be obtained on the basis of the performance of the out-door unit, with a combination of indoor unit(s) recommended by manufacturer or importer.

AZ For multi-split heat pumps/air conditioners, a list of appropriate indoor units: AMXXXXNxDXX, AMXXXXNXPXX, AMXXXXNFXFX

BA If you are a professional looking for information on non-destructive disassembly, dismantling and battery removability, please send an email to: erims.sec@samsung.com.



# COMMISSION REGULATION (EU) No 2016/2281 <sup>I)</sup>

## ECODESIGN REQUIREMENTS FOR heat pumps/air conditioners <sup>II)</sup>

| Information requirements <sup>III)</sup> |                                                                                                                                                     |  |  |  |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| A                                        | Information to identify the model(s) to which the information relates : AM240AXVGGH                                                                 |  |  |  |
| B                                        | Outdoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                      |  |  |  |
| C                                        | Indoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                       |  |  |  |
| D                                        | Indication if the heater is equipped with a supplementary heater: No                                                                                |  |  |  |
| E                                        | Type: [compressor driven vapour compression or sorption process] Compressor driven vapour compression                                               |  |  |  |
| F                                        | If applicable: driver of compressor: [electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine] Electric motor |  |  |  |
| G                                        | Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.                     |  |  |  |

|    | Item <sup>(H)</sup>                                                                                                      | Symbol <sup>(I)</sup>               | Value <sup>(J)</sup> | Unit <sup>(K)</sup> |
|----|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------|---------------------|
| L  | Rated cooling capacity                                                                                                   | P <sub>rated,c</sub> <sup>(M)</sup> | 67,2                 | kW                  |
| O  | Declared cooling capacity for part load at given outdoor temperatures T <sub>j</sub> and indoor 27°C/19°C (dry/wet bulb) |                                     |                      |                     |
| -  | T <sub>j</sub> = 35 °C                                                                                                   | P <sub>dc</sub>                     | 67,2                 | kW                  |
|    | T <sub>j</sub> = 30 °C                                                                                                   | P <sub>dc</sub>                     | 49,7                 | kW                  |
|    | T <sub>j</sub> = 25 °C                                                                                                   | P <sub>dc</sub>                     | 31,6                 | kW                  |
|    | T <sub>j</sub> = 20 °C                                                                                                   | P <sub>dc</sub>                     | 14,1                 | kW                  |
| Q  | Degradation co-efficient for air conditioners(**)                                                                        | C <sub>dc</sub>                     | 0,25                 | -                   |
| AC | Power consumption in modes other than 'active mode'                                                                      |                                     |                      |                     |
| AE | Off mode                                                                                                                 | P <sub>OFF</sub>                    | 0,040                | kW                  |
| AG | Thermostat-off mode                                                                                                      | P <sub>TO</sub>                     | 0,000                | kW                  |

|    | Item <sup>(H)</sup>                                                                         | Symbol <sup>(I)</sup> | Value <sup>(J)</sup> | Unit <sup>(K)</sup> |
|----|---------------------------------------------------------------------------------------------|-----------------------|----------------------|---------------------|
| N  | Seasonal space cooling energy efficiency                                                    | η <sub>s,c</sub>      | 233,0                | %                   |
| P  | Declared energy efficiency ratio for part load at given outdoor temperatures T <sub>j</sub> |                       |                      |                     |
| -  | T <sub>j</sub> = 35 °C                                                                      | EER <sub>d</sub>      | 2,1                  | -                   |
|    | T <sub>j</sub> = 30 °C                                                                      | EER <sub>d</sub>      | 3,7                  | -                   |
|    | T <sub>j</sub> = 25 °C                                                                      | EER <sub>d</sub>      | 6,6                  | -                   |
|    | T <sub>j</sub> = 20 °C                                                                      | EER <sub>d</sub>      | 18,5                 | -                   |
| AC | Power consumption in modes other than 'active mode'                                         |                       |                      |                     |
| AI | Crankcase heater mode                                                                       | P <sub>ck</sub>       | 0,000                | kW                  |
| AJ | Standby mode                                                                                | P <sub>sB</sub>       | 0,040                | kW                  |

|    | Item <sup>(H)</sup>                                                                                        | Symbol <sup>(I)</sup> | Value <sup>(J)</sup> | Unit <sup>(K)</sup> |
|----|------------------------------------------------------------------------------------------------------------|-----------------------|----------------------|---------------------|
| R  | Rated heating capacity                                                                                     | P <sub>rated,h</sub>  | 67,2                 | kW                  |
| T  | Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                       |                      |                     |
| -  | T <sub>j</sub> = - 7 °C                                                                                    | P <sub>dh</sub>       | 28,5                 | kW                  |
|    | T <sub>j</sub> = 2 °C                                                                                      | P <sub>dh</sub>       | 17,5                 | kW                  |
|    | T <sub>j</sub> = 7 °C                                                                                      | P <sub>dh</sub>       | 11,3                 | kW                  |
|    | T <sub>j</sub> = 12 °C                                                                                     | P <sub>dh</sub>       | 4,9                  | kW                  |
| V  | T <sub>biv</sub> = bivalent temperature                                                                    | P <sub>dh</sub>       | 32,4                 | kW                  |
| W  | T <sub>OL</sub> = operating limit                                                                          | P <sub>dh</sub>       | 40,3                 | kW                  |
| X  | For air-to-water heat pumps: T <sub>j</sub> = -15°C (if T <sub>OL</sub> <-20°C)                            | P <sub>dh</sub>       | N/A                  | kW                  |
| Z  | Bivalent temperature                                                                                       | T <sub>biv</sub>      | -10                  | °C                  |
| AB | Degradation co-efficient heat pumps(**)                                                                    | C <sub>dh</sub>       | 0,25                 | -                   |
| AC | Power consumption in modes other than 'active mode'                                                        |                       |                      |                     |
| AE | Off mode                                                                                                   | P <sub>OFF</sub>      | 0,040                | kW                  |
| AG | Thermostat-off mode                                                                                        | P <sub>TO</sub>       | 0,040                | kW                  |
| AI | Crankcase heater mode                                                                                      | P <sub>CK</sub>       | 0,124                | kW                  |

|    | Item <sup>(H)</sup>                                                                                                       | Symbol <sup>(I)</sup> | Value <sup>(J)</sup> | Unit <sup>(K)</sup> |
|----|---------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------|---------------------|
| S  | Seasonal space heating energy efficiency                                                                                  | η <sub>s,h</sub>      | 153,0                | %                   |
| U  | Declared coefficient of performance* / Average season, at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                       |                      |                     |
| -  | T <sub>j</sub> = -7 °C                                                                                                    | COP <sub>d</sub>      | 2,4                  | -                   |
|    | T <sub>j</sub> = 2 °C                                                                                                     | COP <sub>d</sub>      | 3,4                  | -                   |
|    | T <sub>j</sub> = 7 °C                                                                                                     | COP <sub>d</sub>      | 6,6                  | -                   |
|    | T <sub>j</sub> = 12 °C                                                                                                    | COP <sub>d</sub>      | 7,1                  | -                   |
| V  | T <sub>j</sub> = bivalent temperature                                                                                     | COP <sub>d</sub>      | 2,1                  | -                   |
| W  | T <sub>j</sub> = operating limit                                                                                          | COP <sub>d</sub>      | 1,7                  | -                   |
| Y  | For water-to-air heat pumps: T <sub>j</sub> = -15°C (if T <sub>OL</sub> <-20°C)                                           | COP <sub>d</sub>      | N/A                  | -                   |
| AA | For water-to-air heat pumps:Operation limit temperature                                                                   | T <sub>ol</sub>       | N/A                  | °C                  |
| AD | Supplementary heater                                                                                                      |                       |                      |                     |
| AF | Back-up heating capacity                                                                                                  | el <sub>bu</sub>      | N/A                  | kW                  |
| AH | Type of energy input                                                                                                      |                       |                      |                     |
| AJ | Standby mode                                                                                                              | P <sub>sB</sub>       | 0,040                | kW                  |

|    | Item <sup>(H)</sup>                            | Symbol <sup>(I)</sup> | Value <sup>(J)</sup>     | Unit <sup>(K)</sup>                              |
|----|------------------------------------------------|-----------------------|--------------------------|--------------------------------------------------|
| AK | Other items                                    |                       |                          |                                                  |
| AL | Capacity control                               |                       | variable <sup>(AM)</sup> |                                                  |
| AO | Sound power level for cooling (indoor/outdoor) | L <sub>WA</sub>       | - / 87,0                 | dB                                               |
| AP | Sound power level for heating(indoor/outdoor)  | L <sub>WA</sub>       | - / 89,0                 | dB                                               |
| AQ | Emissions of nitrogen oxides (if applicable)   | Nox (***)             | N/A                      | mg/kWh fuel input GCV <sup>(AR)</sup>            |
| AT | GWP of the refrigerant                         |                       | 2087,5                   | kgCO <sub>2</sub> eq (100 years) <sup>(AU)</sup> |

|    | Item <sup>(H)</sup>                                                                             | Symbol <sup>(I)</sup> | Value <sup>(J)</sup> | Unit <sup>(K)</sup> |
|----|-------------------------------------------------------------------------------------------------|-----------------------|----------------------|---------------------|
| AK | Other items                                                                                     |                       |                      |                     |
| AN | For air-to-air heat pumps/air conditioners : air flow rate, outdoor measured                    | -                     | 21900                | m³/h                |
| AS | For water/brine-to air heat pumps: Rated brined or water flow rate, outdoor side heat exchanger | -                     | N/A                  | m³/h                |

|    |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                          |  |  |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| AV | Contact details                                                                                                                                                                                                                    | Samsung, PO Box 12987, Blackrock, Co. Dublin. IE or Euro QA Lab. Saxony Way, Yateley, Hampshire GU46 6GG, UK<br>Samsung Türkiye Merkez Ofis, Flatofis İstanbul İş Merkezi Otakçılar Caddesi No: 78 Kat 3 No: B3 İstanbul |  |  |
| AW | **= If C <sub>d</sub> is not determined by measurement then the default degradation coefficient shall be 0,25.                                                                                                                     |                                                                                                                                                                                                                          |  |  |
| AX | *** From 26 September 2018.                                                                                                                                                                                                        |                                                                                                                                                                                                                          |  |  |
| AY | Where information relates to multi-split, the test result and performance data may be obtained on the basis of the performance of the out-door unit, with a combination of indoor unit(s) recommended by manufacturer or importer. |                                                                                                                                                                                                                          |  |  |
| AZ | For multi-split heat pumps/air conditioners, a list of appropriate indoor units: AM*****D**, AM*****P**, AM*****F**                                                                                                                |                                                                                                                                                                                                                          |  |  |
| BA | If you are a professional looking for information on non-destructive disassembly, dismantling and battery removability, please send an email to: erims.sec@samsung.com.                                                            |                                                                                                                                                                                                                          |  |  |

# COMMISSION REGULATION (EU) No 2016/2281 <sup>1)</sup>

## ECODESIGN REQUIREMENTS FOR heat pumps/air conditioners <sup>1)</sup>

### Information requirements <sup>1))</sup>

|   |                                                                                                                                                     |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| A | Information to identify the model(s) to which the information relates : AM260AXVGGH                                                                 |
| B | Outdoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                      |
| C | Indoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                       |
| D | Indication if the heater is equipped with a supplementary heater: No                                                                                |
| E | Type: [compressor driven vapour compression or sorption process] Compressor driven vapour compression                                               |
| F | If applicable: driver of compressor: [electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine] Electric motor |
| G | Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.                     |

| Item <sup>(1))</sup>                                | Symbol <sup>(1)</sup>                                                                                                    | Value <sup>(1)</sup>                | Unit <sup>(1)</sup> |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------|
| L                                                   | Rated cooling capacity                                                                                                   | P <sub>rated,c</sub> <sup>(M)</sup> | 72,8 kW             |
| O                                                   | Declared cooling capacity for part load at given outdoor temperatures T <sub>j</sub> and indoor 27°C/19°C (dry/wet bulb) |                                     |                     |
| -                                                   | T <sub>j</sub> = 35 °C                                                                                                   | P <sub>dc</sub>                     | 72,8 kW             |
|                                                     | T <sub>j</sub> = 30 °C                                                                                                   | P <sub>dc</sub>                     | 53,9 kW             |
|                                                     | T <sub>j</sub> = 25 °C                                                                                                   | P <sub>dc</sub>                     | 34,2 kW             |
|                                                     | T <sub>j</sub> = 20 °C                                                                                                   | P <sub>dc</sub>                     | 15,3 kW             |
| Q                                                   | Degradation co-efficient for air conditioners(**)                                                                        | C <sub>dc</sub>                     | 0,25 -              |
| Power consumption in modes other than 'active mode' |                                                                                                                          |                                     |                     |
| AE                                                  | Off mode                                                                                                                 | P <sub>OFF</sub>                    | 0,040 kW            |
| AG                                                  | Thermostat-off mode                                                                                                      | P <sub>TO</sub>                     | 0,000 kW            |

| Item <sup>(1))</sup> | Symbol <sup>(1)</sup>                                                                                      | Value <sup>(1)</sup> | Unit <sup>(1)</sup> |
|----------------------|------------------------------------------------------------------------------------------------------------|----------------------|---------------------|
| R                    | Rated heating capacity                                                                                     | P <sub>rated,h</sub> | 68,0 kW             |
| T                    | Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                      |                     |
| -                    | T <sub>j</sub> = - 7 °C                                                                                    | P <sub>dh</sub>      | 29,0 kW             |
|                      | T <sub>j</sub> = 2 °C                                                                                      | P <sub>dh</sub>      | 17,8 kW             |
|                      | T <sub>j</sub> = 7 °C                                                                                      | P <sub>dh</sub>      | 11,6 kW             |
|                      | T <sub>j</sub> = 12 °C                                                                                     | P <sub>dh</sub>      | 5,0 kW              |
| V                    | T <sub>biv</sub> = bivalent temperature                                                                    | P <sub>dh</sub>      | 33,0 kW             |
| W                    | T <sub>OL</sub> = operating limit                                                                          | P <sub>dh</sub>      | 43,7 kW             |
| X                    | For air-to-water heat pumps: T <sub>j</sub> = -15°C (if T <sub>OL</sub> < -20°C)                           | P <sub>dh</sub>      | N/A kW              |
| Z                    | Bivalent temperature                                                                                       | T <sub>biv</sub>     | -10 °C              |
| AB                   | Degradation co-efficient heat pumps(**)                                                                    | C <sub>dh</sub>      | 0,25 -              |

|    |                                                     |                  |          |
|----|-----------------------------------------------------|------------------|----------|
| AC | Power consumption in modes other than 'active mode' |                  |          |
| AE | Off mode                                            | P <sub>OFF</sub> | 0,040 kW |
| AG | Thermostat-off mode                                 | P <sub>TO</sub>  | 0,040 kW |
| AI | Crankcase heater mode                               | P <sub>CK</sub>  | 0,124 kW |

|    |                                                |                          |                                                         |
|----|------------------------------------------------|--------------------------|---------------------------------------------------------|
| AK | Other items                                    |                          |                                                         |
| AL | Capacity control                               | variable <sup>(AM)</sup> |                                                         |
| AO | Sound power level for cooling (indoor/outdoor) | L <sub>WA</sub>          | - / 87,0 dB                                             |
| AP | Sound power level for heating(indoor/outdoor)  | L <sub>WA</sub>          | - / 89,0 dB                                             |
| AQ | Emissions of nitrogen oxides (if applicable)   | Nox (***)                | N/A mg/kWh fuel input GCV <sup>(AR)</sup>               |
| AT | GWP of the refrigerant                         |                          | 2087,5 kgCO <sub>2</sub> eq (100 years) <sup>(AU)</sup> |

| Item <sup>(1))</sup> | Symbol <sup>(1)</sup>                                                                       | Value <sup>(1)</sup> | Unit <sup>(1)</sup> |
|----------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|
| N                    | Seasonal space cooling energy efficiency                                                    | η <sub>sc</sub>      | 213,0 %             |
| P                    | Declared energy efficiency ratio for part load at given outdoor temperatures T <sub>j</sub> |                      |                     |
| -                    | T <sub>j</sub> = 35 °C                                                                      | EER <sub>d</sub>     | 1,9 -               |
|                      | T <sub>j</sub> = 30 °C                                                                      | EER <sub>d</sub>     | 3,4 -               |
|                      | T <sub>j</sub> = 25 °C                                                                      | EER <sub>d</sub>     | 5,8 -               |
|                      | T <sub>j</sub> = 20 °C                                                                      | EER <sub>d</sub>     | 18,5 -              |

|    |                                                     |                 |          |
|----|-----------------------------------------------------|-----------------|----------|
| AC | Power consumption in modes other than 'active mode' |                 |          |
| AI | Crankcase heater mode                               | P <sub>ck</sub> | 0,000 kW |
| AJ | Standby mode                                        | P <sub>SB</sub> | 0,040 kW |

| Item <sup>(1))</sup> | Symbol <sup>(1)</sup>                                                                                                     | Value <sup>(1)</sup> | Unit <sup>(1)</sup> |
|----------------------|---------------------------------------------------------------------------------------------------------------------------|----------------------|---------------------|
| S                    | Seasonal space heating energy efficiency                                                                                  | η <sub>sh</sub>      | 153,0 %             |
| U                    | Declared coefficient of performance* / Average season, at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                      |                     |
| -                    | T <sub>j</sub> = - 7 °C                                                                                                   | COP <sub>d</sub>     | 2,4 -               |
|                      | T <sub>j</sub> = 2 °C                                                                                                     | COP <sub>d</sub>     | 3,4 -               |
|                      | T <sub>j</sub> = 7 °C                                                                                                     | COP <sub>d</sub>     | 6,6 -               |
|                      | T <sub>j</sub> = 12 °C                                                                                                    | COP <sub>d</sub>     | 7,1 -               |
| V                    | T <sub>j</sub> = bivalent temperature                                                                                     | COP <sub>d</sub>     | 2,0 -               |
| W                    | T <sub>j</sub> = operating limit                                                                                          | COP <sub>d</sub>     | 1,7 -               |
| Y                    | For water-to-air heat pumps: T <sub>j</sub> = -15°C (if T <sub>OL</sub> < -20°C)                                          | COP <sub>d</sub>     | N/A -               |
| AA                   | For water-to-air heat pumps: Operation limit temperature                                                                  | T <sub>ol</sub>      | N/A °C              |

|    |                          |                 |          |
|----|--------------------------|-----------------|----------|
| AD | Supplementary heater     |                 |          |
| AF | Back-up heating capacity | elbu            | N/A kW   |
| AH | Type of energy input     |                 |          |
| AJ | Standby mode             | P <sub>SB</sub> | 0,040 kW |

|    |                                                                                                 |   |                         |
|----|-------------------------------------------------------------------------------------------------|---|-------------------------|
| AK | Other items                                                                                     |   |                         |
| AN | For air-to-air heat pumps/air conditioners : air flow rate, outdoor measured                    | - | 21900 m <sup>3</sup> /h |
| AS | For water/brine-to air heat pumps: Rated brined or water flow rate, outdoor side heat exchanger | - | N/A m <sup>3</sup> /h   |

|    |                 |                                                                                                                                                                                                                          |  |
|----|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| AV | Contact details | Samsung, PO Box 12987, Blackrock, Co. Dublin. IE or Euro QA Lab. Saxony Way, Yateley, Hampshire GU46 6GG, UK<br>Samsung Türkiye Merkez Ofis, Flatofis İstanbul İş Merkezi Otakçılar Caddesi No: 78 Kat 3 No: B3 İstanbul |  |
|----|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|

AW \*\*= If Cd is not determined by measurement then the default degradation coefficient shall be 0,25.

AX \*\*\* From 26 September 2018.

AY Where information relates to multi-split, the test result and performance data may be obtained on the basis of the performance of the out-door unit, with a combination of indoor unit(s) recommended by manufacturer or importer.

AZ For multi-split heat pumps/air conditioners, a list of appropriate indoor units: AM\*\*\*\*\*N\*D\*\*\*, AM\*\*\*\*\*N\*P\*\*\*, AM\*\*\*\*\*N\*F\*\*

BA If you are a professional looking for information on non-destructive disassembly, dismantling and battery removability, please send an email to: erims.sec@samsung.com.

# COMMISSION REGULATION (EU) No 2016/2281<sup>1)</sup>

## ECODESIGN REQUIREMENTS FOR heat pumps/air conditioners<sup>1)</sup>

### Information requirements<sup>1)</sup>

|   |                                                                                                                                                     |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| A | Information to identify the model(s) to which the information relates : AM080AXVGGR                                                                 |
| B | Outdoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                      |
| C | Indoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                       |
| D | Indication if the heater is equipped with a supplementary heater: No                                                                                |
| E | Type: [compressor driven vapour compression or sorption process] Compressor driven vapour compression                                               |
| F | If applicable: driver of compressor: [electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine] Electric motor |
| G | Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.                     |

| Item <sup>(1)</sup> | Symbol <sup>(1)</sup>                                                                                           | Value <sup>(2)</sup>         | Unit <sup>(3)</sup> |
|---------------------|-----------------------------------------------------------------------------------------------------------------|------------------------------|---------------------|
| L                   | Rated cooling capacity                                                                                          | $P_{rated,c}$ <sup>(M)</sup> | 22,4 kW             |
| O                   | Declared cooling capacity for part load at given outdoor temperatures $T_j$ and indoor 27°C/19°C (dry/wet bulb) |                              |                     |
| -                   | $T_j = 35\text{ °C}$                                                                                            | $P_{dc}$                     | 22,4 kW             |
|                     | $T_j = 30\text{ °C}$                                                                                            | $P_{dc}$                     | 16,6 kW             |
|                     | $T_j = 25\text{ °C}$                                                                                            | $P_{dc}$                     | 10,5 kW             |
|                     | $T_j = 20\text{ °C}$                                                                                            | $P_{dc}$                     | 4,7 kW              |
| Q                   | Degradation co-efficient for air conditioners(**)                                                               | $C_{dc}$                     | 0,25 -              |
| AC                  | Power consumption in modes other than 'active mode'                                                             |                              |                     |
| AE                  | Off mode                                                                                                        | $P_{OFF}$                    | 0,030 kW            |
| AG                  | Thermostat-off mode                                                                                             | $P_{TO}$                     | 0,000 kW            |

| Item <sup>(1)</sup> | Symbol <sup>(1)</sup>                                                                             | Value <sup>(2)</sup> | Unit <sup>(3)</sup> |
|---------------------|---------------------------------------------------------------------------------------------------|----------------------|---------------------|
| R                   | Rated heating capacity                                                                            | $P_{rated,h}$        | 22,4 kW             |
| T                   | Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature $T_j$ |                      |                     |
| -                   | $T_j = -7\text{ °C}$                                                                              | $P_{dh}$             | 12,3 kW             |
|                     | $T_j = 2\text{ °C}$                                                                               | $P_{dh}$             | 7,6 kW              |
|                     | $T_j = 7\text{ °C}$                                                                               | $P_{dh}$             | 4,9 kW              |
|                     | $T_j = 12\text{ °C}$                                                                              | $P_{dh}$             | 2,1 kW              |
| V                   | $T_{biv}$ = bivalent temperature                                                                  | $P_{dh}$             | 14,0 kW             |
| W                   | $T_{OL}$ = operating limit                                                                        | $P_{dh}$             | 13,4 kW             |
| X                   | For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$ )                 | $P_{dh}$             | N/A kW              |
| Z                   | Bivalent temperature                                                                              | $T_{biv}$            | -10 °C              |
| AB                  | Degradation co-efficient heat pumps(**)                                                           | $C_{dh}$             | 0,25 -              |

|    |                                                     |           |          |
|----|-----------------------------------------------------|-----------|----------|
| AC | Power consumption in modes other than 'active mode' |           |          |
| AE | Off mode                                            | $P_{OFF}$ | 0,030 kW |
| AG | Thermostat-off mode                                 | $P_{TO}$  | 0,030 kW |
| AI | Crankcase heater mode                               | $P_{CK}$  | 0,062 kW |

| AK | Other items                                    |                          |                                                         |
|----|------------------------------------------------|--------------------------|---------------------------------------------------------|
| AL | Capacity control                               | variable <sup>(AM)</sup> |                                                         |
| AO | Sound power level for cooling (indoor/outdoor) | $L_{WA}$                 | - / 75,0 dB                                             |
| AP | Sound power level for heating(indoor/outdoor)  | $L_{WA}$                 | - / 80,0 dB                                             |
| AQ | Emissions of nitrogen oxides (if applicable)   | Nox (***)                | N/A mg/kWh fuel input GCV <sup>(AR)</sup>               |
| AT | GWP of the refrigerant                         |                          | 2087,5 kgCO <sub>2</sub> eq (100 years) <sup>(AU)</sup> |

| Item <sup>(1)</sup> | Symbol <sup>(1)</sup>                                                              | Value <sup>(2)</sup> | Unit <sup>(3)</sup> |
|---------------------|------------------------------------------------------------------------------------|----------------------|---------------------|
| N                   | Seasonal space cooling energy efficiency                                           | $\eta_{s,c}$         | 285,0 %             |
| P                   | Declared energy efficiency ratio for part load at given outdoor temperatures $T_j$ |                      |                     |
| -                   | $T_j = 35\text{ °C}$                                                               | $EER_d$              | 3,0 -               |
|                     | $T_j = 30\text{ °C}$                                                               | $EER_d$              | 4,8 -               |
|                     | $T_j = 25\text{ °C}$                                                               | $EER_d$              | 8,0 -               |
|                     | $T_j = 20\text{ °C}$                                                               | $EER_d$              | 18,5 -              |

|    |                                                     |          |          |
|----|-----------------------------------------------------|----------|----------|
| AC | Power consumption in modes other than 'active mode' |          |          |
| AI | Crankcase heater mode                               | $P_{ck}$ | 0,000 kW |
| AJ | Standby mode                                        | $P_{SB}$ | 0,030 kW |

| Item <sup>(1)</sup> | Symbol <sup>(1)</sup>                                                                                            | Value <sup>(2)</sup> | Unit <sup>(3)</sup> |
|---------------------|------------------------------------------------------------------------------------------------------------------|----------------------|---------------------|
| S                   | Seasonal space heating energy efficiency                                                                         | $\eta_{s,h}$         | 177,0 %             |
| U                   | Declared coefficient of performance* / Average season, at indoor temperature 20 °C and outdoor temperature $T_j$ |                      |                     |
| -                   | $T_j = -7\text{ °C}$                                                                                             | $COP_d$              | 2,6 -               |
|                     | $T_j = 2\text{ °C}$                                                                                              | $COP_d$              | 4,4 -               |
|                     | $T_j = 7\text{ °C}$                                                                                              | $COP_d$              | 6,6 -               |
|                     | $T_j = 12\text{ °C}$                                                                                             | $COP_d$              | 6,8 -               |
| V                   | $T_j$ = bivalent temperature                                                                                     | $COP_d$              | 2,3 -               |
| W                   | $T_j$ = operating limit                                                                                          | $COP_d$              | 2,3 -               |
| Y                   | For water-to-air heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$ )                                | $COP_d$              | N/A -               |
| AA                  | For water-to-air heat pumps: Operation limit temperature                                                         | $T_{ol}$             | N/A °C              |

|    |                          |           |          |
|----|--------------------------|-----------|----------|
| AD | Supplementary heater     |           |          |
| AF | Back-up heating capacity | $el_{bu}$ | N/A kW   |
| AH | Type of energy input     |           |          |
| AJ | Standby mode             | $P_{SB}$  | 0,030 kW |

| AK | Other items                                                                                     |   |                        |
|----|-------------------------------------------------------------------------------------------------|---|------------------------|
| AN | For air-to-air heat pumps/air conditioners : air flow rate, outdoor measured                    | - | 9840 m <sup>3</sup> /h |
| AS | For water/brine-to air heat pumps: Rated brined or water flow rate, outdoor side heat exchanger | - | N/A m <sup>3</sup> /h  |

|    |                 |                                                                                                                                                                                                                          |
|----|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AV | Contact details | Samsung, PO Box 12987, Blackrock, Co. Dublin. IE or Euro QA Lab. Saxony Way, Yateley, Hampshire GU46 6GG, UK<br>Samsung Türkiye Merkez Ofis, Flatofis İstanbul İş Merkezi Otakçılar Caddesi No: 78 Kat 3 No: B3 İstanbul |
|----|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

AW \*\*= If  $C_d$  is not determined by measurement then the default degradation coefficient shall be 0,25.

AX \*\*\* From 26 September 2018.

AY Where information relates to multi-split, the test result and performance data may be obtained on the basis of the performance of the out-door unit, with a combination of indoor unit(s) recommended by manufacturer or importer.

AZ For multi-split heat pumps/air conditioners, a list of appropriate indoor units: AM\*\*\*\*\*D\*\*, AM\*\*\*\*\*P\*\*, AM\*\*\*\*\*F\*\*

BA If you are a professional looking for information on non-destructive disassembly, dismantling and battery removability, please send an email to: erims.sec@samsung.com.

# COMMISSION REGULATION (EU) No 2016/2281 <sup>1)</sup>

## ECODESIGN REQUIREMENTS FOR heat pumps/air conditioners <sup>1)</sup>

### Information requirements <sup>1))</sup>

|   |                                                                                                                                                     |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| A | Information to identify the model(s) to which the information relates : AM100AXVGGR                                                                 |
| B | Outdoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                      |
| C | Indoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                       |
| D | Indication if the heater is equipped with a supplementary heater: No                                                                                |
| E | Type: [compressor driven vapour compression or sorption process] Compressor driven vapour compression                                               |
| F | If applicable: driver of compressor: [electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine] Electric motor |
| G | Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.                     |

| Item <sup>(1))</sup>                                | Symbol <sup>(1)</sup>                                                                                                    | Value <sup>(2)</sup>                | Unit <sup>(3)</sup> |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------|
| L                                                   | Rated cooling capacity                                                                                                   | P <sub>rated,c</sub> <sup>(M)</sup> | 28,0 kW             |
| O                                                   | Declared cooling capacity for part load at given outdoor temperatures T <sub>j</sub> and indoor 27°C/19°C (dry/wet bulb) |                                     |                     |
| -                                                   | T <sub>j</sub> = 35 °C                                                                                                   | P <sub>dc</sub>                     | 28,0 kW             |
|                                                     | T <sub>j</sub> = 30 °C                                                                                                   | P <sub>dc</sub>                     | 20,7 kW             |
|                                                     | T <sub>j</sub> = 25 °C                                                                                                   | P <sub>dc</sub>                     | 13,2 kW             |
|                                                     | T <sub>j</sub> = 20 °C                                                                                                   | P <sub>dc</sub>                     | 5,9 kW              |
| Q                                                   | Degradation co-efficient for air conditioners(**)                                                                        | C <sub>dc</sub>                     | 0,25 -              |
| Power consumption in modes other than 'active mode' |                                                                                                                          |                                     |                     |
| AE                                                  | Off mode                                                                                                                 | P <sub>OFF</sub>                    | 0,030 kW            |
| AG                                                  | Thermostat-off mode                                                                                                      | P <sub>TO</sub>                     | 0,000 kW            |

| Item <sup>(1))</sup> | Symbol <sup>(1)</sup>                                                                                      | Value <sup>(2)</sup> | Unit <sup>(3)</sup> |
|----------------------|------------------------------------------------------------------------------------------------------------|----------------------|---------------------|
| R                    | Rated heating capacity                                                                                     | P <sub>rated,h</sub> | 28,0 kW             |
| T                    | Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                      |                     |
| -                    | T <sub>j</sub> = - 7 °C                                                                                    | P <sub>dh</sub>      | 14,9 kW             |
|                      | T <sub>j</sub> = 2 °C                                                                                      | P <sub>dh</sub>      | 9,1 kW              |
|                      | T <sub>j</sub> = 7 °C                                                                                      | P <sub>dh</sub>      | 5,9 kW              |
|                      | T <sub>j</sub> = 12 °C                                                                                     | P <sub>dh</sub>      | 2,5 kW              |
| V                    | T <sub>biv</sub> = bivalent temperature                                                                    | P <sub>dh</sub>      | 16,9 kW             |
| W                    | T <sub>OL</sub> = operating limit                                                                          | P <sub>dh</sub>      | 16,8 kW             |
| X                    | For air-to-water heat pumps: T <sub>j</sub> = -15°C (if T <sub>OL</sub> < -20°C)                           | P <sub>dh</sub>      | N/A kW              |
| Z                    | Bivalent temperature                                                                                       | T <sub>biv</sub>     | -10 °C              |
| AB                   | Degradation co-efficient heat pumps(**)                                                                    | C <sub>dh</sub>      | 0,25 -              |

|                                                     |                       |                  |          |
|-----------------------------------------------------|-----------------------|------------------|----------|
| Power consumption in modes other than 'active mode' |                       |                  |          |
| AE                                                  | Off mode              | P <sub>OFF</sub> | 0,030 kW |
| AG                                                  | Thermostat-off mode   | P <sub>TO</sub>  | 0,030 kW |
| AI                                                  | Crankcase heater mode | P <sub>CK</sub>  | 0,062 kW |

| Other items |                                                |                          |                                                         |
|-------------|------------------------------------------------|--------------------------|---------------------------------------------------------|
| AL          | Capacity control                               | variable <sup>(AM)</sup> |                                                         |
| AO          | Sound power level for cooling (indoor/outdoor) | L <sub>WA</sub>          | - / 78,0 dB                                             |
| AP          | Sound power level for heating(indoor/outdoor)  | L <sub>WA</sub>          | - / 81,0 dB                                             |
| AQ          | Emissions of nitrogen oxides (if applicable)   | Nox (***)                | N/A mg/kWh fuel input GCV <sup>(AR)</sup>               |
| AT          | GWP of the refrigerant                         |                          | 2087,5 kgCO <sub>2</sub> eq (100 years) <sup>(AU)</sup> |

| Item <sup>(1))</sup> | Symbol <sup>(1)</sup>                                                                       | Value <sup>(2)</sup> | Unit <sup>(3)</sup> |
|----------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|
| N                    | Seasonal space cooling energy efficiency                                                    | η <sub>sc</sub>      | 273,0 %             |
| P                    | Declared energy efficiency ratio for part load at given outdoor temperatures T <sub>j</sub> |                      |                     |
| -                    | T <sub>j</sub> = 35 °C                                                                      | EER <sub>d</sub>     | 2,7 -               |
|                      | T <sub>j</sub> = 30 °C                                                                      | EER <sub>d</sub>     | 4,5 -               |
|                      | T <sub>j</sub> = 25 °C                                                                      | EER <sub>d</sub>     | 7,7 -               |
|                      | T <sub>j</sub> = 20 °C                                                                      | EER <sub>d</sub>     | 18,9 -              |

|                                                     |                       |                 |          |
|-----------------------------------------------------|-----------------------|-----------------|----------|
| Power consumption in modes other than 'active mode' |                       |                 |          |
| AI                                                  | Crankcase heater mode | P <sub>ck</sub> | 0,000 kW |
| AJ                                                  | Standby mode          | P <sub>SB</sub> | 0,030 kW |

| Item <sup>(1))</sup> | Symbol <sup>(1)</sup>                                                                                                     | Value <sup>(2)</sup> | Unit <sup>(3)</sup> |
|----------------------|---------------------------------------------------------------------------------------------------------------------------|----------------------|---------------------|
| S                    | Seasonal space heating energy efficiency                                                                                  | η <sub>sh</sub>      | 173,0 %             |
| U                    | Declared coefficient of performance* / Average season, at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                      |                     |
| -                    | T <sub>j</sub> = - 7 °C                                                                                                   | COP <sub>d</sub>     | 2,5 -               |
|                      | T <sub>j</sub> = 2 °C                                                                                                     | COP <sub>d</sub>     | 4,3 -               |
|                      | T <sub>j</sub> = 7 °C                                                                                                     | COP <sub>d</sub>     | 6,5 -               |
|                      | T <sub>j</sub> = 12 °C                                                                                                    | COP <sub>d</sub>     | 7,0 -               |
| V                    | T <sub>j</sub> = bivalent temperature                                                                                     | COP <sub>d</sub>     | 2,3 -               |
| W                    | T <sub>j</sub> = operating limit                                                                                          | COP <sub>d</sub>     | 2,3 -               |
| Y                    | For water-to-air heat pumps: T <sub>j</sub> = -15°C (if T <sub>OL</sub> < -20°C)                                          | COP <sub>d</sub>     | N/A -               |
| AA                   | For water-to-air heat pumps: Operation limit temperature                                                                  | T <sub>ol</sub>      | N/A °C              |

|                      |                          |                 |          |
|----------------------|--------------------------|-----------------|----------|
| Supplementary heater |                          |                 |          |
| AF                   | Back-up heating capacity | elbu            | N/A kW   |
| AH                   | Type of energy input     |                 |          |
| AJ                   | Standby mode             | P <sub>SB</sub> | 0,030 kW |

| Other items |                                                                                                 |   |                         |
|-------------|-------------------------------------------------------------------------------------------------|---|-------------------------|
| AN          | For air-to-air heat pumps/air conditioners : air flow rate, outdoor measured                    | - | 10860 m <sup>3</sup> /h |
| AS          | For water/brine-to air heat pumps: Rated brined or water flow rate, outdoor side heat exchanger | - | N/A m <sup>3</sup> /h   |

|    |                 |                                                                                                                                                                                                                          |  |
|----|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| AV | Contact details | Samsung, PO Box 12987, Blackrock, Co. Dublin. IE or Euro QA Lab. Saxony Way, Yateley, Hampshire GU46 6GG, UK<br>Samsung Türkiye Merkez Ofis, Flatofis İstanbul İş Merkezi Otakçılar Caddesi No: 78 Kat 3 No: B3 İstanbul |  |
|----|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|

AW \*\*= If Cd is not determined by measurement then the default degradation coefficient shall be 0,25.

AX \*\*\* From 26 September 2018.

AY Where information relates to multi-split, the test result and performance data may be obtained on the basis of the performance of the out-door unit, with a combination of indoor unit(s) recommended by manufacturer or importer.

AZ For multi-split heat pumps/air conditioners, a list of appropriate indoor units: AM\*\*\*\*\*N\*D\*\*\*, AM\*\*\*\*\*N\*P\*\*\*, AM\*\*\*\*\*N\*F\*\*

BA If you are a professional looking for information on non-destructive disassembly, dismantling and battery removability, please send an email to: erims.sec@samsung.com.

# COMMISSION REGULATION (EU) No 2016/2281 <sup>I)</sup>

## ECODESIGN REQUIREMENTS FOR heat pumps/air conditioners <sup>II)</sup>

| Information requirements <sup>III)</sup> |                                                                                                                                                     |  |  |  |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| A                                        | Information to identify the model(s) to which the information relates : AM120AXVGGR                                                                 |  |  |  |
| B                                        | Outdoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                      |  |  |  |
| C                                        | Indoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                       |  |  |  |
| D                                        | Indication if the heater is equipped with a supplementary heater: No                                                                                |  |  |  |
| E                                        | Type: [compressor driven vapour compression or sorption process] Compressor driven vapour compression                                               |  |  |  |
| F                                        | If applicable: driver of compressor: [electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine] Electric motor |  |  |  |
| G                                        | Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.                     |  |  |  |

  

| Item <sup>(H)</sup> | Symbol <sup>(I)</sup>                                                                                           | Value <sup>(J)</sup>         | Unit <sup>(K)</sup> |
|---------------------|-----------------------------------------------------------------------------------------------------------------|------------------------------|---------------------|
| L                   | Rated cooling capacity                                                                                          | $P_{rated,c}$ <sup>(M)</sup> | 33,6 kW             |
| O                   | Declared cooling capacity for part load at given outdoor temperatures $T_j$ and indoor 27°C/19°C (dry/wet bulb) |                              |                     |
| -                   | $T_j = 35\text{ °C}$                                                                                            | $P_{dc}$                     | 33,6 kW             |
|                     | $T_j = 30\text{ °C}$                                                                                            | $P_{dc}$                     | 24,9 kW             |
|                     | $T_j = 25\text{ °C}$                                                                                            | $P_{dc}$                     | 15,8 kW             |
|                     | $T_j = 20\text{ °C}$                                                                                            | $P_{dc}$                     | 7,1 kW              |
| Q                   | Degradation co-efficient for air conditioners(**)                                                               | $C_{dc}$                     | 0,25 -              |
| AC                  | Power consumption in modes other than 'active mode'                                                             |                              |                     |
| AE                  | Off mode                                                                                                        | $P_{OFF}$                    | 0,030 kW            |
| AG                  | Thermostat-off mode                                                                                             | $P_{TO}$                     | 0,000 kW            |

  

| Item <sup>(H)</sup> | Symbol <sup>(I)</sup>                                                              | Value <sup>(J)</sup> | Unit <sup>(K)</sup> |
|---------------------|------------------------------------------------------------------------------------|----------------------|---------------------|
| N                   | Seasonal space cooling energy efficiency                                           | $\eta_{s,c}$         | 273,0 %             |
| P                   | Declared energy efficiency ratio for part load at given outdoor temperatures $T_j$ |                      |                     |
| -                   | $T_j = 35\text{ °C}$                                                               | $EER_d$              | 2,7 -               |
|                     | $T_j = 30\text{ °C}$                                                               | $EER_d$              | 4,5 -               |
|                     | $T_j = 25\text{ °C}$                                                               | $EER_d$              | 7,6 -               |
|                     | $T_j = 20\text{ °C}$                                                               | $EER_d$              | 19,1 -              |
| AC                  | Power consumption in modes other than 'active mode'                                |                      |                     |
| AI                  | Crankcase heater mode                                                              | $P_{ck}$             | 0,000 kW            |
| AJ                  | Standby mode                                                                       | $P_{SB}$             | 0,030 kW            |

  

| Item <sup>(H)</sup> | Symbol <sup>(I)</sup>                                                                             | Value <sup>(J)</sup> | Unit <sup>(K)</sup> |
|---------------------|---------------------------------------------------------------------------------------------------|----------------------|---------------------|
| R                   | Rated heating capacity                                                                            | $P_{rated,h}$        | 33,6 kW             |
| T                   | Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature $T_j$ |                      |                     |
| -                   | $T_j = -7\text{ °C}$                                                                              | $P_{dh}$             | 17,3 kW             |
|                     | $T_j = 2\text{ °C}$                                                                               | $P_{dh}$             | 10,6 kW             |
|                     | $T_j = 7\text{ °C}$                                                                               | $P_{dh}$             | 6,9 kW              |
|                     | $T_j = 12\text{ °C}$                                                                              | $P_{dh}$             | 3,0 kW              |
| V                   | $T_{biv}$ = bivalent temperature                                                                  | $P_{dh}$             | 19,7 kW             |
| W                   | $T_{OL}$ = operating limit                                                                        | $P_{dh}$             | 20,2 kW             |
| X                   | For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$ )                 | $P_{dh}$             | N/A kW              |
| Z                   | Bivalent temperature                                                                              | $T_{biv}$            | -10 °C              |
| AB                  | Degradation co-efficient heat pumps(**)                                                           | $C_{dh}$             | 0,25 -              |
| AC                  | Power consumption in modes other than 'active mode'                                               |                      |                     |
| AE                  | Off mode                                                                                          | $P_{OFF}$            | 0,030 kW            |
| AG                  | Thermostat-off mode                                                                               | $P_{TO}$             | 0,030 kW            |
| AI                  | Crankcase heater mode                                                                             | $P_{CK}$             | 0,062 kW            |

  

| Item <sup>(H)</sup> | Symbol <sup>(I)</sup>                                                                                            | Value <sup>(J)</sup> | Unit <sup>(K)</sup> |
|---------------------|------------------------------------------------------------------------------------------------------------------|----------------------|---------------------|
| S                   | Seasonal space heating energy efficiency                                                                         | $\eta_{s,h}$         | 179,4 %             |
| U                   | Declared coefficient of performance* / Average season, at indoor temperature 20 °C and outdoor temperature $T_j$ |                      |                     |
| -                   | $T_j = -7\text{ °C}$                                                                                             | $COP_d$              | 2,7 -               |
|                     | $T_j = 2\text{ °C}$                                                                                              | $COP_d$              | 4,4 -               |
|                     | $T_j = 7\text{ °C}$                                                                                              | $COP_d$              | 6,7 -               |
|                     | $T_j = 12\text{ °C}$                                                                                             | $COP_d$              | 7,0 -               |
| V                   | $T_j$ = bivalent temperature                                                                                     | $COP_d$              | 2,2 -               |
| W                   | $T_j$ = operating limit                                                                                          | $COP_d$              | 2,2 -               |
| Y                   | For water-to-air heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$ )                                | $COP_d$              | N/A -               |
| AA                  | For water-to-air heat pumps: Operation limit temperature                                                         | $T_{ol}$             | N/A °C              |
| AD                  | Supplementary heater                                                                                             |                      |                     |
| AF                  | Back-up heating capacity                                                                                         | $el_{bu}$            | N/A kW              |
| AH                  | Type of energy input                                                                                             |                      |                     |
| AJ                  | Standby mode                                                                                                     | $P_{SB}$             | 0,030 kW            |

  

| Item <sup>(H)</sup> | Symbol <sup>(I)</sup>                          | Value <sup>(J)</sup>     | Unit <sup>(K)</sup>                                     |
|---------------------|------------------------------------------------|--------------------------|---------------------------------------------------------|
| AK                  | Other items                                    |                          |                                                         |
| AL                  | Capacity control                               | variable <sup>(AM)</sup> |                                                         |
| AO                  | Sound power level for cooling (indoor/outdoor) | $L_{WA}$                 | - / 81,0 dB                                             |
| AP                  | Sound power level for heating (indoor/outdoor) | $L_{WA}$                 | - / 84,0 dB                                             |
| AQ                  | Emissions of nitrogen oxides (if applicable)   | Nox (***)                | N/A mg/kWh fuel input GCV <sup>(AR)</sup>               |
| AT                  | GWP of the refrigerant                         |                          | 2087,5 kgCO <sub>2</sub> eq (100 years) <sup>(AU)</sup> |

  

| Item <sup>(H)</sup> | Symbol <sup>(I)</sup>                                                                           | Value <sup>(J)</sup> | Unit <sup>(K)</sup>     |
|---------------------|-------------------------------------------------------------------------------------------------|----------------------|-------------------------|
| AK                  | Other items                                                                                     |                      |                         |
| AN                  | For air-to-air heat pumps/air conditioners : air flow rate, outdoor measured                    | -                    | 11760 m <sup>3</sup> /h |
| AS                  | For water/brine-to air heat pumps: Rated brined or water flow rate, outdoor side heat exchanger | -                    | N/A m <sup>3</sup> /h   |

  

|    |                 |                                                                                                                                                                                                                          |  |  |
|----|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| AV | Contact details | Samsung, PO Box 12987, Blackrock, Co. Dublin. IE or Euro QA Lab. Saxony Way, Yateley, Hampshire GU46 6GG, UK<br>Samsung Türkiye Merkez Ofis, Flatofis İstanbul İş Merkezi Otakçılar Caddesi No: 78 Kat 3 No: B3 İstanbul |  |  |
|----|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|

  

|    |                                                                                                                                                                                                                                    |  |  |  |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| AW | **= If $C_d$ is not determined by measurement then the default degradation coefficient shall be 0,25.                                                                                                                              |  |  |  |
| AX | *** From 26 September 2018.                                                                                                                                                                                                        |  |  |  |
| AY | Where information relates to multi-split, the test result and performance data may be obtained on the basis of the performance of the out-door unit, with a combination of indoor unit(s) recommended by manufacturer or importer. |  |  |  |
| AZ | For multi-split heat pumps/air conditioners, a list of appropriate indoor units: AM*****D**, AM*****P**, AM*****F**                                                                                                                |  |  |  |
| BA | If you are a professional looking for information on non-destructive disassembly, dismantling and battery removability, please send an email to: erims.sec@samsung.com.                                                            |  |  |  |

# COMMISSION REGULATION (EU) No 2016/2281 <sup>1)</sup>

## ECODESIGN REQUIREMENTS FOR heat pumps/air conditioners <sup>1)</sup>

### Information requirements <sup>1))</sup>

|   |                                                                                                                                                     |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| A | Information to identify the model(s) to which the information relates : AM140AXVGGR                                                                 |
| B | Outdoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                      |
| C | Indoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                       |
| D | Indication if the heater is equipped with a supplementary heater: No                                                                                |
| E | Type: [compressor driven vapour compression or sorption process] Compressor driven vapour compression                                               |
| F | If applicable: driver of compressor: [electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine] Electric motor |
| G | Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.                     |

| Item <sup>(1))</sup>                                | Symbol <sup>(1)</sup>                                                                                                    | Value <sup>(2)</sup>                | Unit <sup>(3)</sup> |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------|
| L                                                   | Rated cooling capacity                                                                                                   | P <sub>rated,c</sub> <sup>(M)</sup> | 40,0 kW             |
| O                                                   | Declared cooling capacity for part load at given outdoor temperatures T <sub>j</sub> and indoor 27°C/19°C (dry/wet bulb) |                                     |                     |
| -                                                   | T <sub>j</sub> = 35 °C                                                                                                   | P <sub>dc</sub>                     | 40,0 kW             |
|                                                     | T <sub>j</sub> = 30 °C                                                                                                   | P <sub>dc</sub>                     | 29,6 kW             |
|                                                     | T <sub>j</sub> = 25 °C                                                                                                   | P <sub>dc</sub>                     | 18,8 kW             |
|                                                     | T <sub>j</sub> = 20 °C                                                                                                   | P <sub>dc</sub>                     | 8,4 kW              |
| Q                                                   | Degradation co-efficient for air conditioners(**)                                                                        | C <sub>dc</sub>                     | 0,25 -              |
| Power consumption in modes other than 'active mode' |                                                                                                                          |                                     |                     |
| AE                                                  | Off mode                                                                                                                 | P <sub>OFF</sub>                    | 0,030 kW            |
| AG                                                  | Thermostat-off mode                                                                                                      | P <sub>TO</sub>                     | 0,000 kW            |

| Item <sup>(1))</sup> | Symbol <sup>(1)</sup>                                                                                      | Value <sup>(2)</sup> | Unit <sup>(3)</sup> |
|----------------------|------------------------------------------------------------------------------------------------------------|----------------------|---------------------|
| R                    | Rated heating capacity                                                                                     | P <sub>rated,h</sub> | 40,0 kW             |
| T                    | Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                      |                     |
| -                    | T <sub>j</sub> = - 7 °C                                                                                    | P <sub>dh</sub>      | 19,9 kW             |
|                      | T <sub>j</sub> = 2 °C                                                                                      | P <sub>dh</sub>      | 12,2 kW             |
|                      | T <sub>j</sub> = 7 °C                                                                                      | P <sub>dh</sub>      | 7,9 kW              |
|                      | T <sub>j</sub> = 12 °C                                                                                     | P <sub>dh</sub>      | 3,4 kW              |
| V                    | T <sub>biv</sub> = bivalent temperature                                                                    | P <sub>dh</sub>      | 22,6 kW             |
| W                    | T <sub>OL</sub> = operating limit                                                                          | P <sub>dh</sub>      | 24,0 kW             |
| X                    | For air-to-water heat pumps: T <sub>j</sub> = -15°C (if T <sub>OL</sub> < -20°C)                           | P <sub>dh</sub>      | N/A kW              |
| Z                    | Bivalent temperature                                                                                       | T <sub>biv</sub>     | -10 °C              |
| AB                   | Degradation co-efficient heat pumps(**)                                                                    | C <sub>dh</sub>      | 0,25 -              |

|                                                     |                       |                  |          |
|-----------------------------------------------------|-----------------------|------------------|----------|
| Power consumption in modes other than 'active mode' |                       |                  |          |
| AE                                                  | Off mode              | P <sub>OFF</sub> | 0,030 kW |
| AG                                                  | Thermostat-off mode   | P <sub>TO</sub>  | 0,030 kW |
| AI                                                  | Crankcase heater mode | P <sub>CK</sub>  | 0,062 kW |

| Other items |                                                |                          |                                                         |
|-------------|------------------------------------------------|--------------------------|---------------------------------------------------------|
| AL          | Capacity control                               | variable <sup>(AM)</sup> |                                                         |
| AO          | Sound power level for cooling (indoor/outdoor) | L <sub>WA</sub>          | - / 81,0 dB                                             |
| AP          | Sound power level for heating(indoor/outdoor)  | L <sub>WA</sub>          | - / 84,0 dB                                             |
| AQ          | Emissions of nitrogen oxides (if applicable)   | Nox (***)                | N/A mg/kWh fuel input GCV <sup>(AR)</sup>               |
| AT          | GWP of the refrigerant                         |                          | 2087,5 kgCO <sub>2</sub> eq (100 years) <sup>(AU)</sup> |

| Item <sup>(1))</sup> | Symbol <sup>(1)</sup>                                                                       | Value <sup>(2)</sup> | Unit <sup>(3)</sup> |
|----------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|
| N                    | Seasonal space cooling energy efficiency                                                    | η <sub>sc</sub>      | 265,0 %             |
| P                    | Declared energy efficiency ratio for part load at given outdoor temperatures T <sub>j</sub> |                      |                     |
| -                    | T <sub>j</sub> = 35 °C                                                                      | EER <sub>d</sub>     | 2,4 -               |
|                      | T <sub>j</sub> = 30 °C                                                                      | EER <sub>d</sub>     | 4,3 -               |
|                      | T <sub>j</sub> = 25 °C                                                                      | EER <sub>d</sub>     | 7,6 -               |
|                      | T <sub>j</sub> = 20 °C                                                                      | EER <sub>d</sub>     | 19,4 -              |

|                                                     |                       |                 |          |
|-----------------------------------------------------|-----------------------|-----------------|----------|
| Power consumption in modes other than 'active mode' |                       |                 |          |
| AI                                                  | Crankcase heater mode | P <sub>ck</sub> | 0,000 kW |
| AJ                                                  | Standby mode          | P <sub>SB</sub> | 0,030 kW |

| Item <sup>(1))</sup> | Symbol <sup>(1)</sup>                                                                                                     | Value <sup>(2)</sup> | Unit <sup>(3)</sup> |
|----------------------|---------------------------------------------------------------------------------------------------------------------------|----------------------|---------------------|
| S                    | Seasonal space heating energy efficiency                                                                                  | η <sub>sh</sub>      | 167,0 %             |
| U                    | Declared coefficient of performance* / Average season, at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                      |                     |
| -                    | T <sub>j</sub> = - 7 °C                                                                                                   | COP <sub>d</sub>     | 2,5 -               |
|                      | T <sub>j</sub> = 2 °C                                                                                                     | COP <sub>d</sub>     | 4,0 -               |
|                      | T <sub>j</sub> = 7 °C                                                                                                     | COP <sub>d</sub>     | 6,5 -               |
|                      | T <sub>j</sub> = 12 °C                                                                                                    | COP <sub>d</sub>     | 6,8 -               |
| V                    | T <sub>j</sub> = bivalent temperature                                                                                     | COP <sub>d</sub>     | 2,1 -               |
| W                    | T <sub>j</sub> = operating limit                                                                                          | COP <sub>d</sub>     | 2,2 -               |
| Y                    | For water-to-air heat pumps: T <sub>j</sub> = -15°C (if T <sub>OL</sub> < -20°C)                                          | COP <sub>d</sub>     | N/A -               |
| AA                   | For water-to-air heat pumps: Operation limit temperature                                                                  | T <sub>ol</sub>      | N/A °C              |

|                      |                          |                 |          |
|----------------------|--------------------------|-----------------|----------|
| Supplementary heater |                          |                 |          |
| AF                   | Back-up heating capacity | elbu            | N/A kW   |
| AH                   | Type of energy input     |                 |          |
| AJ                   | Standby mode             | P <sub>SB</sub> | 0,030 kW |

| Other items |                                                                                                 |   |                         |
|-------------|-------------------------------------------------------------------------------------------------|---|-------------------------|
| AN          | For air-to-air heat pumps/air conditioners : air flow rate, outdoor measured                    | - | 17460 m <sup>3</sup> /h |
| AS          | For water/brine-to air heat pumps: Rated brined or water flow rate, outdoor side heat exchanger | - | N/A m <sup>3</sup> /h   |

|    |                 |                                                                                                                                                                                                                          |  |
|----|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| AV | Contact details | Samsung, PO Box 12987, Blackrock, Co. Dublin. IE or Euro QA Lab. Saxony Way, Yateley, Hampshire GU46 6GG, UK<br>Samsung Türkiye Merkez Ofis, Flatofis İstanbul İş Merkezi Otakçılar Caddesi No: 78 Kat 3 No: B3 İstanbul |  |
|----|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|

AW \*\*= If Cd is not determined by measurement then the default degradation coefficient shall be 0,25.

AX \*\*\* From 26 September 2018.

AY Where information relates to multi-split, the test result and performance data may be obtained on the basis of the performance of the out-door unit, with a combination of indoor unit(s) recommended by manufacturer or importer.

AZ For multi-split heat pumps/air conditioners, a list of appropriate indoor units: AM\*\*\*\*\*N\*D\*\*\*, AM\*\*\*\*\*N\*P\*\*\*, AM\*\*\*\*\*N\*F\*\*

BA If you are a professional looking for information on non-destructive disassembly, dismantling and battery removability, please send an email to: erims.sec@samsung.com.

# COMMISSION REGULATION (EU) No 2016/2281 <sup>I)</sup>

## ECODESIGN REQUIREMENTS FOR heat pumps/air conditioners <sup>II)</sup>

| Information requirements <sup>III)</sup> |                                                                                                                                                     |  |  |  |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| A                                        | Information to identify the model(s) to which the information relates : AM160AXVGGR                                                                 |  |  |  |
| B                                        | Outdoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                      |  |  |  |
| C                                        | Indoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                       |  |  |  |
| D                                        | Indication if the heater is equipped with a supplementary heater: No                                                                                |  |  |  |
| E                                        | Type: [compressor driven vapour compression or sorption process] Compressor driven vapour compression                                               |  |  |  |
| F                                        | If applicable: driver of compressor: [electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine] Electric motor |  |  |  |
| G                                        | Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.                     |  |  |  |

|    | Item <sup>(H)</sup>                                                                                                      | Symbol <sup>(I)</sup>               | Value <sup>(J)</sup> | Unit <sup>(K)</sup> |
|----|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------|---------------------|
| L  | Rated cooling capacity                                                                                                   | P <sub>rated,c</sub> <sup>(M)</sup> | 45,0                 | kW                  |
| O  | Declared cooling capacity for part load at given outdoor temperatures T <sub>j</sub> and indoor 27°C/19°C (dry/wet bulb) |                                     |                      |                     |
| -  | T <sub>j</sub> = 35 °C                                                                                                   | P <sub>dc</sub>                     | 45,0                 | kW                  |
|    | T <sub>j</sub> = 30 °C                                                                                                   | P <sub>dc</sub>                     | 33,3                 | kW                  |
|    | T <sub>j</sub> = 25 °C                                                                                                   | P <sub>dc</sub>                     | 21,2                 | kW                  |
|    | T <sub>j</sub> = 20 °C                                                                                                   | P <sub>dc</sub>                     | 9,5                  | kW                  |
| Q  | Degradation co-efficient for air conditioners(**)                                                                        | C <sub>dc</sub>                     | 0,25                 | -                   |
| AC | Power consumption in modes other than 'active mode'                                                                      |                                     |                      |                     |
| AE | Off mode                                                                                                                 | P <sub>OFF</sub>                    | 0,030                | kW                  |
| AG | Thermostat-off mode                                                                                                      | P <sub>TO</sub>                     | 0,000                | kW                  |

|    | Item <sup>(H)</sup>                                                                         | Symbol <sup>(I)</sup> | Value <sup>(J)</sup> | Unit <sup>(K)</sup> |
|----|---------------------------------------------------------------------------------------------|-----------------------|----------------------|---------------------|
| N  | Seasonal space cooling energy efficiency                                                    | η <sub>s,c</sub>      | 273,0                | %                   |
| P  | Declared energy efficiency ratio for part load at given outdoor temperatures T <sub>j</sub> |                       |                      |                     |
| -  | T <sub>j</sub> = 35 °C                                                                      | EER <sub>d</sub>      | 2,6                  | -                   |
|    | T <sub>j</sub> = 30 °C                                                                      | EER <sub>d</sub>      | 4,5                  | -                   |
|    | T <sub>j</sub> = 25 °C                                                                      | EER <sub>d</sub>      | 7,6                  | -                   |
|    | T <sub>j</sub> = 20 °C                                                                      | EER <sub>d</sub>      | 19,4                 | -                   |
| AC | Power consumption in modes other than 'active mode'                                         |                       |                      |                     |
| AI | Crankcase heater mode                                                                       | P <sub>ck</sub>       | 0,000                | kW                  |
| AJ | Standby mode                                                                                | P <sub>sB</sub>       | 0,030                | kW                  |

|    | Item <sup>(H)</sup>                                                                                        | Symbol <sup>(I)</sup> | Value <sup>(J)</sup> | Unit <sup>(K)</sup> |
|----|------------------------------------------------------------------------------------------------------------|-----------------------|----------------------|---------------------|
| R  | Rated heating capacity                                                                                     | P <sub>rated,h</sub>  | 45,0                 | kW                  |
| T  | Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                       |                      |                     |
| -  | T <sub>j</sub> = - 7 °C                                                                                    | P <sub>dh</sub>       | 22,0                 | kW                  |
|    | T <sub>j</sub> = 2 °C                                                                                      | P <sub>dh</sub>       | 13,5                 | kW                  |
|    | T <sub>j</sub> = 7 °C                                                                                      | P <sub>dh</sub>       | 8,8                  | kW                  |
|    | T <sub>j</sub> = 12 °C                                                                                     | P <sub>dh</sub>       | 3,8                  | kW                  |
| V  | T <sub>biv</sub> = bivalent temperature                                                                    | P <sub>dh</sub>       | 25,0                 | kW                  |
| W  | T <sub>OL</sub> = operating limit                                                                          | P <sub>dh</sub>       | 27,0                 | kW                  |
| X  | For air-to-water heat pumps: T <sub>j</sub> = -15°C (if T <sub>OL</sub> <-20°C)                            | P <sub>dh</sub>       | N/A                  | kW                  |
| Z  | Bivalent temperature                                                                                       | T <sub>biv</sub>      | -10                  | °C                  |
| AB | Degradation co-efficient heat pumps(**)                                                                    | C <sub>dh</sub>       | 0,25                 | -                   |
| AC | Power consumption in modes other than 'active mode'                                                        |                       |                      |                     |
| AE | Off mode                                                                                                   | P <sub>OFF</sub>      | 0,030                | kW                  |
| AG | Thermostat-off mode                                                                                        | P <sub>TO</sub>       | 0,030                | kW                  |
| AI | Crankcase heater mode                                                                                      | P <sub>CK</sub>       | 0,062                | kW                  |

|    | Item <sup>(H)</sup>                                                                                                       | Symbol <sup>(I)</sup> | Value <sup>(J)</sup> | Unit <sup>(K)</sup> |
|----|---------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------|---------------------|
| S  | Seasonal space heating energy efficiency                                                                                  | η <sub>s,h</sub>      | 169,0                | %                   |
| U  | Declared coefficient of performance* / Average season, at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                       |                      |                     |
| -  | T <sub>j</sub> = -7 °C                                                                                                    | COP <sub>d</sub>      | 2,5                  | -                   |
|    | T <sub>j</sub> = 2 °C                                                                                                     | COP <sub>d</sub>      | 4,1                  | -                   |
|    | T <sub>j</sub> = 7 °C                                                                                                     | COP <sub>d</sub>      | 6,4                  | -                   |
|    | T <sub>j</sub> = 12 °C                                                                                                    | COP <sub>d</sub>      | 6,8                  | -                   |
| V  | T <sub>j</sub> = bivalent temperature                                                                                     | COP <sub>d</sub>      | 2,3                  | -                   |
| W  | T <sub>j</sub> = operating limit                                                                                          | COP <sub>d</sub>      | 2,2                  | -                   |
| Y  | For water-to-air heat pumps: T <sub>j</sub> = -15°C (if T <sub>OL</sub> <-20°C)                                           | COP <sub>d</sub>      | N/A                  | -                   |
| AA | For water-to-air heat pumps: Operation limit temperature                                                                  | T <sub>ol</sub>       | N/A                  | °C                  |
| AD | Supplementary heater                                                                                                      |                       |                      |                     |
| AF | Back-up heating capacity                                                                                                  | el <sub>bu</sub>      | N/A                  | kW                  |
| AH | Type of energy input                                                                                                      |                       |                      |                     |
| AJ | Standby mode                                                                                                              | P <sub>sB</sub>       | 0,030                | kW                  |

|    | Other items                                    |                          |          |                                                  |
|----|------------------------------------------------|--------------------------|----------|--------------------------------------------------|
| AL | Capacity control                               | variable <sup>(AM)</sup> |          |                                                  |
| AO | Sound power level for cooling (indoor/outdoor) | L <sub>WA</sub>          | - / 81,0 | dB                                               |
| AP | Sound power level for heating(indoor/outdoor)  | L <sub>WA</sub>          | - / 83,0 | dB                                               |
| AQ | Emissions of nitrogen oxides (if applicable)   | Nox (***)                | N/A      | mg/kWh fuel input GCV <sup>(AR)</sup>            |
| AT | GWP of the refrigerant                         |                          | 2087,5   | kgCO <sub>2</sub> eq (100 years) <sup>(AU)</sup> |

|    | Other items                                                                                     |   |       |      |
|----|-------------------------------------------------------------------------------------------------|---|-------|------|
| AN | For air-to-air heat pumps/air conditioners : air flow rate, outdoor measured                    | - | 17520 | m³/h |
| AS | For water/brine-to air heat pumps: Rated brined or water flow rate, outdoor side heat exchanger | - | N/A   | m³/h |

|    |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                          |  |  |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| AV | Contact details                                                                                                                                                                                                                    | Samsung, PO Box 12987, Blackrock, Co. Dublin. IE or Euro QA Lab. Saxony Way, Yateley, Hampshire GU46 6GG, UK<br>Samsung Türkiye Merkez Ofis, Flatofis İstanbul İş Merkezi Otakçılar Caddesi No: 78 Kat 3 No: B3 İstanbul |  |  |
| AW | **= If Cd is not determined by measurement then the default degradation coefficient shall be 0,25.                                                                                                                                 |                                                                                                                                                                                                                          |  |  |
| AX | *** From 26 September 2018.                                                                                                                                                                                                        |                                                                                                                                                                                                                          |  |  |
| AY | Where information relates to multi-split, the test result and performance data may be obtained on the basis of the performance of the out-door unit, with a combination of indoor unit(s) recommended by manufacturer or importer. |                                                                                                                                                                                                                          |  |  |
| AZ | For multi-split heat pumps/air conditioners, a list of appropriate indoor units: AM*****D**, AM*****P**, AM*****F**                                                                                                                |                                                                                                                                                                                                                          |  |  |
| BA | If you are a professional looking for information on non-destructive disassembly, dismantling and battery removability, please send an email to: erims.sec@samsung.com.                                                            |                                                                                                                                                                                                                          |  |  |



# COMMISSION REGULATION (EU) No 2016/2281 <sup>1)</sup>

## ECODESIGN REQUIREMENTS FOR heat pumps/air conditioners <sup>1)</sup>

### Information requirements <sup>1))</sup>

|   |                                                                                                                                                     |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| A | Information to identify the model(s) to which the information relates : AM180AXVGGR                                                                 |
| B | Outdoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                      |
| C | Indoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                       |
| D | Indication if the heater is equipped with a supplementary heater: No                                                                                |
| E | Type: [compressor driven vapour compression or sorption process] Compressor driven vapour compression                                               |
| F | If applicable: driver of compressor: [electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine] Electric motor |
| G | Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.                     |

| Item <sup>(1))</sup>                                | Symbol <sup>(1)</sup>                                                                                                    | Value <sup>(2)</sup>                | Unit <sup>(3)</sup> |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------|
| L                                                   | Rated cooling capacity                                                                                                   | P <sub>rated,c</sub> <sup>(M)</sup> | 50,4 kW             |
| O                                                   | Declared cooling capacity for part load at given outdoor temperatures T <sub>j</sub> and indoor 27°C/19°C (dry/wet bulb) |                                     |                     |
| -                                                   | T <sub>j</sub> = 35 °C                                                                                                   | P <sub>dc</sub>                     | 50,4 kW             |
|                                                     | T <sub>j</sub> = 30 °C                                                                                                   | P <sub>dc</sub>                     | 37,3 kW             |
|                                                     | T <sub>j</sub> = 25 °C                                                                                                   | P <sub>dc</sub>                     | 23,7 kW             |
|                                                     | T <sub>j</sub> = 20 °C                                                                                                   | P <sub>dc</sub>                     | 10,6 kW             |
| Q                                                   | Degradation co-efficient for air conditioners(**)                                                                        | C <sub>dc</sub>                     | 0,25 -              |
| Power consumption in modes other than 'active mode' |                                                                                                                          |                                     |                     |
| AE                                                  | Off mode                                                                                                                 | P <sub>OFF</sub>                    | 0,031 kW            |
| AG                                                  | Thermostat-off mode                                                                                                      | P <sub>TO</sub>                     | 0,000 kW            |

| Item <sup>(1))</sup> | Symbol <sup>(1)</sup>                                                                                      | Value <sup>(2)</sup> | Unit <sup>(3)</sup> |
|----------------------|------------------------------------------------------------------------------------------------------------|----------------------|---------------------|
| R                    | Rated heating capacity                                                                                     | P <sub>rated,h</sub> | 50,4 kW             |
| T                    | Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                      |                     |
| -                    | T <sub>j</sub> = - 7 °C                                                                                    | P <sub>dh</sub>      | 24,9 kW             |
|                      | T <sub>j</sub> = 2 °C                                                                                      | P <sub>dh</sub>      | 15,3 kW             |
|                      | T <sub>j</sub> = 7 °C                                                                                      | P <sub>dh</sub>      | 9,9 kW              |
|                      | T <sub>j</sub> = 12 °C                                                                                     | P <sub>dh</sub>      | 4,2 kW              |
| V                    | T <sub>biv</sub> = bivalent temperature                                                                    | P <sub>dh</sub>      | 28,3 kW             |
| W                    | T <sub>OL</sub> = operating limit                                                                          | P <sub>dh</sub>      | 30,2 kW             |
| X                    | For air-to-water heat pumps: T <sub>j</sub> = -15°C (if T <sub>OL</sub> < -20°C)                           | P <sub>dh</sub>      | N/A kW              |
| Z                    | Bivalent temperature                                                                                       | T <sub>biv</sub>     | -10 °C              |
| AB                   | Degradation co-efficient heat pumps(**)                                                                    | C <sub>dh</sub>      | 0,25 -              |

|                                                     |                       |                  |          |
|-----------------------------------------------------|-----------------------|------------------|----------|
| Power consumption in modes other than 'active mode' |                       |                  |          |
| AE                                                  | Off mode              | P <sub>OFF</sub> | 0,031 kW |
| AG                                                  | Thermostat-off mode   | P <sub>TO</sub>  | 0,031 kW |
| AI                                                  | Crankcase heater mode | P <sub>CK</sub>  | 0,062 kW |

| Other items |                                                |                          |                                                         |
|-------------|------------------------------------------------|--------------------------|---------------------------------------------------------|
| AL          | Capacity control                               | variable <sup>(AM)</sup> |                                                         |
| AO          | Sound power level for cooling (indoor/outdoor) | L <sub>WA</sub>          | - / 81,0 dB                                             |
| AP          | Sound power level for heating(indoor/outdoor)  | L <sub>WA</sub>          | - / 83,0 dB                                             |
| AQ          | Emissions of nitrogen oxides (if applicable)   | Nox (***)                | N/A mg/kWh fuel input GCV <sup>(AR)</sup>               |
| AT          | GWP of the refrigerant                         |                          | 2087,5 kgCO <sub>2</sub> eq (100 years) <sup>(AU)</sup> |

| Item <sup>(1))</sup> | Symbol <sup>(1)</sup>                                                                       | Value <sup>(2)</sup> | Unit <sup>(3)</sup> |
|----------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|
| N                    | Seasonal space cooling energy efficiency                                                    | η <sub>sc</sub>      | 297,0 %             |
| P                    | Declared energy efficiency ratio for part load at given outdoor temperatures T <sub>j</sub> |                      |                     |
| -                    | T <sub>j</sub> = 35 °C                                                                      | EER <sub>d</sub>     | 2,9 -               |
|                      | T <sub>j</sub> = 30 °C                                                                      | EER <sub>d</sub>     | 4,8 -               |
|                      | T <sub>j</sub> = 25 °C                                                                      | EER <sub>d</sub>     | 8,5 -               |
|                      | T <sub>j</sub> = 20 °C                                                                      | EER <sub>d</sub>     | 20,0 -              |

|                                                     |                       |                 |          |
|-----------------------------------------------------|-----------------------|-----------------|----------|
| Power consumption in modes other than 'active mode' |                       |                 |          |
| AI                                                  | Crankcase heater mode | P <sub>ck</sub> | 0,000 kW |
| AJ                                                  | Standby mode          | P <sub>SB</sub> | 0,031 kW |

| Item <sup>(1))</sup> | Symbol <sup>(1)</sup>                                                                                                     | Value <sup>(2)</sup> | Unit <sup>(3)</sup> |
|----------------------|---------------------------------------------------------------------------------------------------------------------------|----------------------|---------------------|
| S                    | Seasonal space heating energy efficiency                                                                                  | η <sub>sh</sub>      | 189,0 %             |
| U                    | Declared coefficient of performance* / Average season, at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                      |                     |
| -                    | T <sub>j</sub> = - 7 °C                                                                                                   | COP <sub>d</sub>     | 3,3 -               |
|                      | T <sub>j</sub> = 2 °C                                                                                                     | COP <sub>d</sub>     | 4,5 -               |
|                      | T <sub>j</sub> = 7 °C                                                                                                     | COP <sub>d</sub>     | 6,8 -               |
|                      | T <sub>j</sub> = 12 °C                                                                                                    | COP <sub>d</sub>     | 7,0 -               |
| V                    | T <sub>j</sub> = bivalent temperature                                                                                     | COP <sub>d</sub>     | 2,6 -               |
| W                    | T <sub>j</sub> = operating limit                                                                                          | COP <sub>d</sub>     | 2,2 -               |
| Y                    | For water-to-air heat pumps: T <sub>j</sub> = -15°C (if T <sub>OL</sub> < -20°C)                                          | COP <sub>d</sub>     | N/A -               |
| AA                   | For water-to-air heat pumps: Operation limit temperature                                                                  | T <sub>ol</sub>      | N/A °C              |

|                      |                          |                 |          |
|----------------------|--------------------------|-----------------|----------|
| Supplementary heater |                          |                 |          |
| AF                   | Back-up heating capacity | elbu            | N/A kW   |
| AH                   | Type of energy input     |                 |          |
| AJ                   | Standby mode             | P <sub>SB</sub> | 0,031 kW |

| Other items |                                                                                                 |   |                         |
|-------------|-------------------------------------------------------------------------------------------------|---|-------------------------|
| AN          | For air-to-air heat pumps/air conditioners : air flow rate, outdoor measured                    | - | 18780 m <sup>3</sup> /h |
| AS          | For water/brine-to air heat pumps: Rated brined or water flow rate, outdoor side heat exchanger | - | N/A m <sup>3</sup> /h   |

|    |                 |                                                                                                                                                                                                                          |  |
|----|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| AV | Contact details | Samsung, PO Box 12987, Blackrock, Co. Dublin. IE or Euro QA Lab. Saxony Way, Yateley, Hampshire GU46 6GG, UK<br>Samsung Türkiye Merkez Ofis, Flatofis İstanbul İş Merkezi Otakçılar Caddesi No: 78 Kat 3 No: B3 İstanbul |  |
|----|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|

AW \*\* = If Cd is not determined by measurement then the default degradation coefficient shall be 0,25.

AX \*\*\* From 26 September 2018.

AY Where information relates to multi-split, the test result and performance data may be obtained on the basis of the performance of the out-door unit, with a combination of indoor unit(s) recommended by manufacturer or importer.

AZ For multi-split heat pumps/air conditioners, a list of appropriate indoor units: AMXXXXNxDXX, AMXXXXNXPXX, AMXXXXNFXFX

BA If you are a professional looking for information on non-destructive disassembly, dismantling and battery removability, please send an email to: erims.sec@samsung.com.

# COMMISSION REGULATION (EU) No 2016/2281 <sup>I)</sup>

## ECODESIGN REQUIREMENTS FOR heat pumps/air conditioners <sup>II)</sup>

| Information requirements <sup>III)</sup> |                                                                                                                                                     |  |  |  |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| A                                        | Information to identify the model(s) to which the information relates : AM200AXVGGR                                                                 |  |  |  |
| B                                        | Outdoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                      |  |  |  |
| C                                        | Indoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                       |  |  |  |
| D                                        | Indication if the heater is equipped with a supplementary heater: No                                                                                |  |  |  |
| E                                        | Type: [compressor driven vapour compression or sorption process] Compressor driven vapour compression                                               |  |  |  |
| F                                        | If applicable: driver of compressor: [electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine] Electric motor |  |  |  |
| G                                        | Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.                     |  |  |  |

|    | Item <sup>(H)</sup>                                                                                                      | Symbol <sup>(I)</sup>               | Value <sup>(J)</sup> | Unit <sup>(K)</sup> |
|----|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------|---------------------|
| L  | Rated cooling capacity                                                                                                   | P <sub>rated,c</sub> <sup>(M)</sup> | 56,0                 | kW                  |
| O  | Declared cooling capacity for part load at given outdoor temperatures T <sub>j</sub> and indoor 27°C/19°C (dry/wet bulb) |                                     |                      |                     |
| -  | T <sub>j</sub> = 35 °C                                                                                                   | P <sub>dc</sub>                     | 56,0                 | kW                  |
|    | T <sub>j</sub> = 30 °C                                                                                                   | P <sub>dc</sub>                     | 41,4                 | kW                  |
|    | T <sub>j</sub> = 25 °C                                                                                                   | P <sub>dc</sub>                     | 26,3                 | kW                  |
|    | T <sub>j</sub> = 20 °C                                                                                                   | P <sub>dc</sub>                     | 11,8                 | kW                  |
| Q  | Degradation co-efficient for air conditioners(**)                                                                        | C <sub>dc</sub>                     | 0,25                 | -                   |
| AC | Power consumption in modes other than 'active mode'                                                                      |                                     |                      |                     |
| AE | Off mode                                                                                                                 | P <sub>OFF</sub>                    | 0,031                | kW                  |
| AG | Thermostat-off mode                                                                                                      | P <sub>TO</sub>                     | 0,000                | kW                  |

|    | Item <sup>(H)</sup>                                                                         | Symbol <sup>(I)</sup> | Value <sup>(J)</sup> | Unit <sup>(K)</sup> |
|----|---------------------------------------------------------------------------------------------|-----------------------|----------------------|---------------------|
| N  | Seasonal space cooling energy efficiency                                                    | η <sub>s,c</sub>      | 257,0                | %                   |
| P  | Declared energy efficiency ratio for part load at given outdoor temperatures T <sub>j</sub> |                       |                      |                     |
| -  | T <sub>j</sub> = 35 °C                                                                      | EER <sub>d</sub>      | 2,3                  | -                   |
|    | T <sub>j</sub> = 30 °C                                                                      | EER <sub>d</sub>      | 4,1                  | -                   |
|    | T <sub>j</sub> = 25 °C                                                                      | EER <sub>d</sub>      | 7,4                  | -                   |
|    | T <sub>j</sub> = 20 °C                                                                      | EER <sub>d</sub>      | 19,2                 | -                   |
| AC | Power consumption in modes other than 'active mode'                                         |                       |                      |                     |
| AI | Crankcase heater mode                                                                       | P <sub>ck</sub>       | 0,000                | kW                  |
| AJ | Standby mode                                                                                | P <sub>sB</sub>       | 0,031                | kW                  |

|    | Item <sup>(H)</sup>                                                                                        | Symbol <sup>(I)</sup> | Value <sup>(J)</sup> | Unit <sup>(K)</sup> |
|----|------------------------------------------------------------------------------------------------------------|-----------------------|----------------------|---------------------|
| R  | Rated heating capacity                                                                                     | P <sub>rated,h</sub>  | 56,0                 | kW                  |
| T  | Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                       |                      |                     |
| -  | T <sub>j</sub> = - 7 °C                                                                                    | P <sub>dh</sub>       | 27,4                 | kW                  |
|    | T <sub>j</sub> = 2 °C                                                                                      | P <sub>dh</sub>       | 16,8                 | kW                  |
|    | T <sub>j</sub> = 7 °C                                                                                      | P <sub>dh</sub>       | 10,9                 | kW                  |
|    | T <sub>j</sub> = 12 °C                                                                                     | P <sub>dh</sub>       | 4,7                  | kW                  |
| V  | T <sub>biv</sub> = bivalent temperature                                                                    | P <sub>dh</sub>       | 31,1                 | kW                  |
| W  | T <sub>OL</sub> = operating limit                                                                          | P <sub>dh</sub>       | 33,6                 | kW                  |
| X  | For air-to-water heat pumps: T <sub>j</sub> = -15°C (if T <sub>OL</sub> <-20°C)                            | P <sub>dh</sub>       | N/A                  | kW                  |
| Z  | Bivalent temperature                                                                                       | T <sub>biv</sub>      | -10                  | °C                  |
| AB | Degradation co-efficient heat pumps(**)                                                                    | C <sub>dh</sub>       | 0,25                 | -                   |
| AC | Power consumption in modes other than 'active mode'                                                        |                       |                      |                     |
| AE | Off mode                                                                                                   | P <sub>OFF</sub>      | 0,031                | kW                  |
| AG | Thermostat-off mode                                                                                        | P <sub>TO</sub>       | 0,031                | kW                  |
| AI | Crankcase heater mode                                                                                      | P <sub>CK</sub>       | 0,062                | kW                  |

|    | Item <sup>(H)</sup>                                                                                                       | Symbol <sup>(I)</sup> | Value <sup>(J)</sup> | Unit <sup>(K)</sup> |
|----|---------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------|---------------------|
| S  | Seasonal space heating energy efficiency                                                                                  | η <sub>s,h</sub>      | 177,0                | %                   |
| U  | Declared coefficient of performance* / Average season, at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                       |                      |                     |
| -  | T <sub>j</sub> = - 7 °C                                                                                                   | COP <sub>d</sub>      | 2,8                  | -                   |
|    | T <sub>j</sub> = 2 °C                                                                                                     | COP <sub>d</sub>      | 4,2                  | -                   |
|    | T <sub>j</sub> = 7 °C                                                                                                     | COP <sub>d</sub>      | 6,7                  | -                   |
|    | T <sub>j</sub> = 12 °C                                                                                                    | COP <sub>d</sub>      | 7,0                  | -                   |
| V  | T <sub>j</sub> = bivalent temperature                                                                                     | COP <sub>d</sub>      | 2,4                  | -                   |
| W  | T <sub>j</sub> = operating limit                                                                                          | COP <sub>d</sub>      | 2,0                  | -                   |
| Y  | For water-to-air heat pumps: T <sub>j</sub> = -15°C (if T <sub>OL</sub> <-20°C)                                           | COP <sub>d</sub>      | N/A                  | -                   |
| AA | For water-to-air heat pumps:Operation limit temperature                                                                   | T <sub>ol</sub>       | N/A                  | °C                  |
| AD | Supplementary heater                                                                                                      |                       |                      |                     |
| AF | Back-up heating capacity                                                                                                  | elbu                  | N/A                  | kW                  |
| AH | Type of energy input                                                                                                      |                       |                      |                     |
| AJ | Standby mode                                                                                                              | P <sub>sB</sub>       | 0,031                | kW                  |

|    | Item <sup>(H)</sup>                            | Symbol <sup>(I)</sup> | Value <sup>(J)</sup>     | Unit <sup>(K)</sup>                              |
|----|------------------------------------------------|-----------------------|--------------------------|--------------------------------------------------|
| AK | Other items                                    |                       |                          |                                                  |
| AL | Capacity control                               |                       | variable <sup>(AM)</sup> |                                                  |
| AO | Sound power level for cooling (indoor/outdoor) | L <sub>WA</sub>       | - / 84,0                 | dB                                               |
| AP | Sound power level for heating(indoor/outdoor)  | L <sub>WA</sub>       | - / 85,0                 | dB                                               |
| AQ | Emissions of nitrogen oxides (if applicable)   | Nox (***)             | N/A                      | mg/kWh fuel input GCV <sup>(AR)</sup>            |
| AT | GWP of the refrigerant                         |                       | 2087,5                   | kgCO <sub>2</sub> eq (100 years) <sup>(AU)</sup> |

|    | Item <sup>(H)</sup>                                                                             | Symbol <sup>(I)</sup> | Value <sup>(J)</sup> | Unit <sup>(K)</sup> |
|----|-------------------------------------------------------------------------------------------------|-----------------------|----------------------|---------------------|
| AK | Other items                                                                                     |                       |                      |                     |
| AN | For air-to-air heat pumps/air conditioners : air flow rate, outdoor measured                    | -                     | 18780                | m³/h                |
| AS | For water/brine-to air heat pumps: Rated brined or water flow rate, outdoor side heat exchanger | -                     | N/A                  | m³/h                |

|    |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                          |  |  |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| AV | Contact details                                                                                                                                                                                                                    | Samsung, PO Box 12987, Blackrock, Co. Dublin. IE or Euro QA Lab. Saxony Way, Yateley, Hampshire GU46 6GG, UK<br>Samsung Türkiye Merkez Ofis, Flatofis İstanbul İş Merkezi Otakçılar Caddesi No: 78 Kat 3 No: B3 İstanbul |  |  |
| AW | **= If Cd is not determined by measurement then the default degradation coefficient shall be 0,25.                                                                                                                                 |                                                                                                                                                                                                                          |  |  |
| AX | *** From 26 September 2018.                                                                                                                                                                                                        |                                                                                                                                                                                                                          |  |  |
| AY | Where information relates to multi-split, the test result and performance data may be obtained on the basis of the performance of the out-door unit, with a combination of indoor unit(s) recommended by manufacturer or importer. |                                                                                                                                                                                                                          |  |  |
| AZ | For multi-split heat pumps/air conditioners, a list of appropriate indoor units: AM*****D**, AM*****P**, AM*****F**                                                                                                                |                                                                                                                                                                                                                          |  |  |
| BA | If you are a professional looking for information on non-destructive disassembly, dismantling and battery removability, please send an email to: erims.sec@samsung.com.                                                            |                                                                                                                                                                                                                          |  |  |

# COMMISSION REGULATION (EU) No 2016/2281 <sup>1)</sup>

## ECODESIGN REQUIREMENTS FOR heat pumps/air conditioners <sup>1)</sup>

### Information requirements <sup>1))</sup>

|   |                                                                                                                                                     |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| A | Information to identify the model(s) to which the information relates : AM220AXVGGR                                                                 |
| B | Outdoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                      |
| C | Indoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                       |
| D | Indication if the heater is equipped with a supplementary heater: No                                                                                |
| E | Type: [compressor driven vapour compression or sorption process] Compressor driven vapour compression                                               |
| F | If applicable: driver of compressor: [electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine] Electric motor |
| G | Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.                     |

| Item <sup>(1))</sup>                                | Symbol <sup>(1)</sup>                                                                                                    | Value <sup>(2)</sup>                | Unit <sup>(3)</sup> |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------|
| L                                                   | Rated cooling capacity                                                                                                   | P <sub>rated,c</sub> <sup>(M)</sup> | 61,6 kW             |
| O                                                   | Declared cooling capacity for part load at given outdoor temperatures T <sub>j</sub> and indoor 27°C/19°C (dry/wet bulb) |                                     |                     |
| -                                                   | T <sub>j</sub> = 35 °C                                                                                                   | P <sub>dc</sub>                     | 61,6 kW             |
|                                                     | T <sub>j</sub> = 30 °C                                                                                                   | P <sub>dc</sub>                     | 45,6 kW             |
|                                                     | T <sub>j</sub> = 25 °C                                                                                                   | P <sub>dc</sub>                     | 29,0 kW             |
|                                                     | T <sub>j</sub> = 20 °C                                                                                                   | P <sub>dc</sub>                     | 12,9 kW             |
| Q                                                   | Degradation co-efficient for air conditioners(**)                                                                        | C <sub>dc</sub>                     | 0,25 -              |
| Power consumption in modes other than 'active mode' |                                                                                                                          |                                     |                     |
| AE                                                  | Off mode                                                                                                                 | P <sub>OFF</sub>                    | 0,040 kW            |
| AG                                                  | Thermostat-off mode                                                                                                      | P <sub>TO</sub>                     | 0,000 kW            |

| Item <sup>(1))</sup> | Symbol <sup>(1)</sup>                                                                                      | Value <sup>(2)</sup> | Unit <sup>(3)</sup> |
|----------------------|------------------------------------------------------------------------------------------------------------|----------------------|---------------------|
| R                    | Rated heating capacity                                                                                     | P <sub>rated,h</sub> | 61,6 kW             |
| T                    | Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                      |                     |
| -                    | T <sub>j</sub> = - 7 °C                                                                                    | P <sub>dh</sub>      | 28,0 kW             |
|                      | T <sub>j</sub> = 2 °C                                                                                      | P <sub>dh</sub>      | 17,2 kW             |
|                      | T <sub>j</sub> = 7 °C                                                                                      | P <sub>dh</sub>      | 11,1 kW             |
|                      | T <sub>j</sub> = 12 °C                                                                                     | P <sub>dh</sub>      | 4,8 kW              |
| V                    | T <sub>biv</sub> = bivalent temperature                                                                    | P <sub>dh</sub>      | 31,8 kW             |
| W                    | T <sub>OL</sub> = operating limit                                                                          | P <sub>dh</sub>      | 37,0 kW             |
| X                    | For air-to-water heat pumps: T <sub>j</sub> = -15°C (if T <sub>OL</sub> < -20°C)                           | P <sub>dh</sub>      | N/A kW              |
| Z                    | Bivalent temperature                                                                                       | T <sub>biv</sub>     | -10 °C              |
| AB                   | Degradation co-efficient heat pumps(**)                                                                    | C <sub>dh</sub>      | 0,25 -              |

|                                                     |                       |                  |          |
|-----------------------------------------------------|-----------------------|------------------|----------|
| Power consumption in modes other than 'active mode' |                       |                  |          |
| AE                                                  | Off mode              | P <sub>OFF</sub> | 0,040 kW |
| AG                                                  | Thermostat-off mode   | P <sub>TO</sub>  | 0,040 kW |
| AI                                                  | Crankcase heater mode | P <sub>CK</sub>  | 0,124 kW |

| Other items |                                                |                          |                                                         |
|-------------|------------------------------------------------|--------------------------|---------------------------------------------------------|
| AL          | Capacity control                               | variable <sup>(AM)</sup> |                                                         |
| AO          | Sound power level for cooling (indoor/outdoor) | L <sub>WA</sub>          | - / 86,0 dB                                             |
| AP          | Sound power level for heating(indoor/outdoor)  | L <sub>WA</sub>          | - / 87,0 dB                                             |
| AQ          | Emissions of nitrogen oxides (if applicable)   | Nox (***)                | N/A mg/kWh fuel input GCV <sup>(AR)</sup>               |
| AT          | GWP of the refrigerant                         |                          | 2087,5 kgCO <sub>2</sub> eq (100 years) <sup>(AU)</sup> |

| Item <sup>(1))</sup> | Symbol <sup>(1)</sup>                                                                       | Value <sup>(2)</sup> | Unit <sup>(3)</sup> |
|----------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|
| N                    | Seasonal space cooling energy efficiency                                                    | η <sub>sc</sub>      | 245,0 %             |
| P                    | Declared energy efficiency ratio for part load at given outdoor temperatures T <sub>j</sub> |                      |                     |
| -                    | T <sub>j</sub> = 35 °C                                                                      | EER <sub>d</sub>     | 2,1 -               |
|                      | T <sub>j</sub> = 30 °C                                                                      | EER <sub>d</sub>     | 3,9 -               |
|                      | T <sub>j</sub> = 25 °C                                                                      | EER <sub>d</sub>     | 7,2 -               |
|                      | T <sub>j</sub> = 20 °C                                                                      | EER <sub>d</sub>     | 18,6 -              |

|                                                     |                       |                 |          |
|-----------------------------------------------------|-----------------------|-----------------|----------|
| Power consumption in modes other than 'active mode' |                       |                 |          |
| AI                                                  | Crankcase heater mode | P <sub>ck</sub> | 0,000 kW |
| AJ                                                  | Standby mode          | P <sub>SB</sub> | 0,040 kW |

| Item <sup>(1))</sup> | Symbol <sup>(1)</sup>                                                                                                     | Value <sup>(2)</sup> | Unit <sup>(3)</sup> |
|----------------------|---------------------------------------------------------------------------------------------------------------------------|----------------------|---------------------|
| S                    | Seasonal space heating energy efficiency                                                                                  | η <sub>sh</sub>      | 169,0 %             |
| U                    | Declared coefficient of performance* / Average season, at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                      |                     |
| -                    | T <sub>j</sub> = - 7 °C                                                                                                   | COP <sub>d</sub>     | 2,5 -               |
|                      | T <sub>j</sub> = 2 °C                                                                                                     | COP <sub>d</sub>     | 4,0 -               |
|                      | T <sub>j</sub> = 7 °C                                                                                                     | COP <sub>d</sub>     | 6,7 -               |
|                      | T <sub>j</sub> = 12 °C                                                                                                    | COP <sub>d</sub>     | 7,1 -               |
| V                    | T <sub>j</sub> = bivalent temperature                                                                                     | COP <sub>d</sub>     | 2,3 -               |
| W                    | T <sub>j</sub> = operating limit                                                                                          | COP <sub>d</sub>     | 2,1 -               |
| Y                    | For water-to-air heat pumps: T <sub>j</sub> = -15°C (if T <sub>OL</sub> < -20°C)                                          | COP <sub>d</sub>     | N/A -               |
| AA                   | For water-to-air heat pumps: Operation limit temperature                                                                  | T <sub>ol</sub>      | N/A °C              |

|                      |                          |                 |          |
|----------------------|--------------------------|-----------------|----------|
| Supplementary heater |                          |                 |          |
| AF                   | Back-up heating capacity | elbu            | N/A kW   |
| AH                   | Type of energy input     |                 |          |
| AJ                   | Standby mode             | P <sub>SB</sub> | 0,040 kW |

| Other items |                                                                                                 |   |                         |
|-------------|-------------------------------------------------------------------------------------------------|---|-------------------------|
| AN          | For air-to-air heat pumps/air conditioners : air flow rate, outdoor measured                    | - | 20520 m <sup>3</sup> /h |
| AS          | For water/brine-to air heat pumps: Rated brined or water flow rate, outdoor side heat exchanger | - | N/A m <sup>3</sup> /h   |

|    |                 |                                                                                                                                                                                                                          |  |
|----|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| AV | Contact details | Samsung, PO Box 12987, Blackrock, Co. Dublin. IE or Euro QA Lab. Saxony Way, Yateley, Hampshire GU46 6GG, UK<br>Samsung Türkiye Merkez Ofis, Flatofis İstanbul İş Merkezi Otakçılar Caddesi No: 78 Kat 3 No: B3 İstanbul |  |
|----|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|

AW \*\*= If Cd is not determined by measurement then the default degradation coefficient shall be 0,25.

AX \*\*\* From 26 September 2018.

AY Where information relates to multi-split, the test result and performance data may be obtained on the basis of the performance of the out-door unit, with a combination of indoor unit(s) recommended by manufacturer or importer.

AZ For multi-split heat pumps/air conditioners, a list of appropriate indoor units: AMXXXXNxDXX, AMXXXXNXPXX, AMXXXXNFXFX

BA If you are a professional looking for information on non-destructive disassembly, dismantling and battery removability, please send an email to: erims.sec@samsung.com.

# COMMISSION REGULATION (EU) No 2016/2281 <sup>I)</sup>

## ECODESIGN REQUIREMENTS FOR heat pumps/air conditioners <sup>II)</sup>

| Information requirements <sup>III)</sup> |                                                                                                                                                     |  |  |  |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| A                                        | Information to identify the model(s) to which the information relates : AM240AXVGGR                                                                 |  |  |  |
| B                                        | Outdoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                      |  |  |  |
| C                                        | Indoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                       |  |  |  |
| D                                        | Indication if the heater is equipped with a supplementary heater: No                                                                                |  |  |  |
| E                                        | Type: [compressor driven vapour compression or sorption process] Compressor driven vapour compression                                               |  |  |  |
| F                                        | If applicable: driver of compressor: [electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine] Electric motor |  |  |  |
| G                                        | Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.                     |  |  |  |

  

| Item <sup>(H)</sup> | Symbol <sup>(I)</sup>                                                                                           | Value <sup>(J)</sup>         | Unit <sup>(K)</sup> |
|---------------------|-----------------------------------------------------------------------------------------------------------------|------------------------------|---------------------|
| L                   | Rated cooling capacity                                                                                          | $P_{rated,c}$ <sup>(M)</sup> | 67,2 kW             |
| O                   | Declared cooling capacity for part load at given outdoor temperatures $T_j$ and indoor 27°C/19°C (dry/wet bulb) |                              |                     |
| -                   | $T_j = 35\text{ °C}$                                                                                            | $P_{dc}$                     | 67,2 kW             |
|                     | $T_j = 30\text{ °C}$                                                                                            | $P_{dc}$                     | 49,7 kW             |
|                     | $T_j = 25\text{ °C}$                                                                                            | $P_{dc}$                     | 31,6 kW             |
|                     | $T_j = 20\text{ °C}$                                                                                            | $P_{dc}$                     | 14,1 kW             |
| Q                   | Degradation co-efficient for air conditioners(**)                                                               | $C_{dc}$                     | 0,25 -              |
| AC                  | Power consumption in modes other than 'active mode'                                                             |                              |                     |
| AE                  | Off mode                                                                                                        | $P_{OFF}$                    | 0,040 kW            |
| AG                  | Thermostat-off mode                                                                                             | $P_{TO}$                     | 0,000 kW            |

  

| Item <sup>(H)</sup> | Symbol <sup>(I)</sup>                                                              | Value <sup>(J)</sup> | Unit <sup>(K)</sup> |
|---------------------|------------------------------------------------------------------------------------|----------------------|---------------------|
| N                   | Seasonal space cooling energy efficiency                                           | $\eta_{s,c}$         | 233,0 %             |
| P                   | Declared energy efficiency ratio for part load at given outdoor temperatures $T_j$ |                      |                     |
| -                   | $T_j = 35\text{ °C}$                                                               | $EER_d$              | 2,1 -               |
|                     | $T_j = 30\text{ °C}$                                                               | $EER_d$              | 3,7 -               |
|                     | $T_j = 25\text{ °C}$                                                               | $EER_d$              | 6,6 -               |
|                     | $T_j = 20\text{ °C}$                                                               | $EER_d$              | 18,5 -              |
| AC                  | Power consumption in modes other than 'active mode'                                |                      |                     |
| AI                  | Crankcase heater mode                                                              | $P_{ck}$             | 0,000 kW            |
| AJ                  | Standby mode                                                                       | $P_{SB}$             | 0,040 kW            |

  

| Item <sup>(H)</sup> | Symbol <sup>(I)</sup>                                                                             | Value <sup>(J)</sup> | Unit <sup>(K)</sup> |
|---------------------|---------------------------------------------------------------------------------------------------|----------------------|---------------------|
| R                   | Rated heating capacity                                                                            | $P_{rated,h}$        | 67,2 kW             |
| T                   | Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature $T_j$ |                      |                     |
| -                   | $T_j = -7\text{ °C}$                                                                              | $P_{dh}$             | 28,5 kW             |
|                     | $T_j = 2\text{ °C}$                                                                               | $P_{dh}$             | 17,5 kW             |
|                     | $T_j = 7\text{ °C}$                                                                               | $P_{dh}$             | 11,3 kW             |
|                     | $T_j = 12\text{ °C}$                                                                              | $P_{dh}$             | 4,9 kW              |
| V                   | $T_{biv}$ = bivalent temperature                                                                  | $P_{dh}$             | 32,4 kW             |
| W                   | $T_{OL}$ = operating limit                                                                        | $P_{dh}$             | 40,3 kW             |
| X                   | For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$ )                 | $P_{dh}$             | N/A kW              |
| Z                   | Bivalent temperature                                                                              | $T_{biv}$            | -10 °C              |
| AB                  | Degradation co-efficient heat pumps(**)                                                           | $C_{dh}$             | 0,25 -              |
| AC                  | Power consumption in modes other than 'active mode'                                               |                      |                     |
| AE                  | Off mode                                                                                          | $P_{OFF}$            | 0,040 kW            |
| AG                  | Thermostat-off mode                                                                               | $P_{TO}$             | 0,040 kW            |
| AI                  | Crankcase heater mode                                                                             | $P_{CK}$             | 0,124 kW            |

  

| Item <sup>(H)</sup> | Symbol <sup>(I)</sup>                                                                                            | Value <sup>(J)</sup> | Unit <sup>(K)</sup> |
|---------------------|------------------------------------------------------------------------------------------------------------------|----------------------|---------------------|
| S                   | Seasonal space heating energy efficiency                                                                         | $\eta_{s,h}$         | 153,0 %             |
| U                   | Declared coefficient of performance* / Average season, at indoor temperature 20 °C and outdoor temperature $T_j$ |                      |                     |
| -                   | $T_j = -7\text{ °C}$                                                                                             | $COP_d$              | 2,4 -               |
|                     | $T_j = 2\text{ °C}$                                                                                              | $COP_d$              | 3,4 -               |
|                     | $T_j = 7\text{ °C}$                                                                                              | $COP_d$              | 6,6 -               |
|                     | $T_j = 12\text{ °C}$                                                                                             | $COP_d$              | 7,1 -               |
| V                   | $T_j$ = bivalent temperature                                                                                     | $COP_d$              | 2,1 -               |
| W                   | $T_j$ = operating limit                                                                                          | $COP_d$              | 1,7 -               |
| Y                   | For water-to-air heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$ )                                | $COP_d$              | N/A -               |
| AA                  | For water-to-air heat pumps: Operation limit temperature                                                         | $T_{ol}$             | N/A °C              |
| AD                  | Supplementary heater                                                                                             |                      |                     |
| AF                  | Back-up heating capacity                                                                                         | $el_{bu}$            | N/A kW              |
| AH                  | Type of energy input                                                                                             |                      |                     |
| AJ                  | Standby mode                                                                                                     | $P_{SB}$             | 0,040 kW            |

  

| Item <sup>(H)</sup> | Symbol <sup>(I)</sup>                          | Value <sup>(J)</sup>     | Unit <sup>(K)</sup>                                     |
|---------------------|------------------------------------------------|--------------------------|---------------------------------------------------------|
| AK                  | Other items                                    |                          |                                                         |
| AL                  | Capacity control                               | variable <sup>(AM)</sup> |                                                         |
| AO                  | Sound power level for cooling (indoor/outdoor) | $L_{WA}$                 | - / 87,0 dB                                             |
| AP                  | Sound power level for heating(indoor/outdoor)  | $L_{WA}$                 | - / 89,0 dB                                             |
| AQ                  | Emissions of nitrogen oxides (if applicable)   | Nox (***)                | N/A mg/kWh fuel input GCV <sup>(AR)</sup>               |
| AT                  | GWP of the refrigerant                         |                          | 2087,5 kgCO <sub>2</sub> eq (100 years) <sup>(AU)</sup> |

  

| Item <sup>(H)</sup> | Symbol <sup>(I)</sup>                                                                           | Value <sup>(J)</sup> | Unit <sup>(K)</sup>     |
|---------------------|-------------------------------------------------------------------------------------------------|----------------------|-------------------------|
| AK                  | Other items                                                                                     |                      |                         |
| AN                  | For air-to-air heat pumps/air conditioners : air flow rate, outdoor measured                    | -                    | 21900 m <sup>3</sup> /h |
| AS                  | For water/brine-to air heat pumps: Rated brined or water flow rate, outdoor side heat exchanger | -                    | N/A m <sup>3</sup> /h   |

  

|    |                 |                                                                                                                                                                                                                          |  |  |
|----|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| AV | Contact details | Samsung, PO Box 12987, Blackrock, Co. Dublin. IE or Euro QA Lab. Saxony Way, Yateley, Hampshire GU46 6GG, UK<br>Samsung Türkiye Merkez Ofis, Flatofis İstanbul İş Merkezi Otakçılar Caddesi No: 78 Kat 3 No: B3 İstanbul |  |  |
|----|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|

  

|    |                                                                                                                                                                                                                                    |  |  |  |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| AW | **= If Cd is not determined by measurement then the default degradation coefficient shall be 0,25.                                                                                                                                 |  |  |  |
| AX | *** From 26 September 2018.                                                                                                                                                                                                        |  |  |  |
| AY | Where information relates to multi-split, the test result and performance data may be obtained on the basis of the performance of the out-door unit, with a combination of indoor unit(s) recommended by manufacturer or importer. |  |  |  |
| AZ | For multi-split heat pumps/air conditioners, a list of appropriate indoor units: AM*****D**, AM*****P**, AM*****F**                                                                                                                |  |  |  |
| BA | If you are a professional looking for information on non-destructive disassembly, dismantling and battery removability, please send an email to: erims.sec@samsung.com.                                                            |  |  |  |

# COMMISSION REGULATION (EU) No 2016/2281 <sup>1)</sup>

## ECODESIGN REQUIREMENTS FOR heat pumps/air conditioners <sup>1)</sup>

### Information requirements <sup>1))</sup>

|   |                                                                                                                                                     |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| A | Information to identify the model(s) to which the information relates : AM260AXVGGR                                                                 |
| B | Outdoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                      |
| C | Indoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                       |
| D | Indication if the heater is equipped with a supplementary heater: No                                                                                |
| E | Type: [compressor driven vapour compression or sorption process] Compressor driven vapour compression                                               |
| F | If applicable: driver of compressor: [electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine] Electric motor |
| G | Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.                     |

| Item <sup>(1))</sup>                                | Symbol <sup>(1)</sup>                                                                                           | Value <sup>(1)</sup>         | Unit <sup>(1)</sup> |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|------------------------------|---------------------|
| L                                                   | Rated cooling capacity                                                                                          | $P_{rated,c}$ <sup>(M)</sup> | 72,8 kW             |
| O                                                   | Declared cooling capacity for part load at given outdoor temperatures $T_j$ and indoor 27°C/19°C (dry/wet bulb) |                              |                     |
| -                                                   | $T_j = 35\text{ °C}$                                                                                            | $P_{dc}$                     | 72,8 kW             |
|                                                     | $T_j = 30\text{ °C}$                                                                                            | $P_{dc}$                     | 53,9 kW             |
|                                                     | $T_j = 25\text{ °C}$                                                                                            | $P_{dc}$                     | 34,2 kW             |
|                                                     | $T_j = 20\text{ °C}$                                                                                            | $P_{dc}$                     | 15,3 kW             |
| Q                                                   | Degradation co-efficient for air conditioners(**)                                                               | $C_{dc}$                     | 0,25 -              |
| Power consumption in modes other than 'active mode' |                                                                                                                 |                              |                     |
| AE                                                  | Off mode                                                                                                        | $P_{OFF}$                    | 0,040 kW            |
| AG                                                  | Thermostat-off mode                                                                                             | $P_{TO}$                     | 0,000 kW            |

| Item <sup>(1))</sup> | Symbol <sup>(1)</sup>                                                                             | Value <sup>(1)</sup> | Unit <sup>(1)</sup> |
|----------------------|---------------------------------------------------------------------------------------------------|----------------------|---------------------|
| R                    | Rated heating capacity                                                                            | $P_{rated,h}$        | 68,0 kW             |
| T                    | Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature $T_j$ |                      |                     |
| -                    | $T_j = -7\text{ °C}$                                                                              | $P_{dh}$             | 29,0 kW             |
|                      | $T_j = 2\text{ °C}$                                                                               | $P_{dh}$             | 17,8 kW             |
|                      | $T_j = 7\text{ °C}$                                                                               | $P_{dh}$             | 11,6 kW             |
|                      | $T_j = 12\text{ °C}$                                                                              | $P_{dh}$             | 5,0 kW              |
| V                    | $T_{biv}$ = bivalent temperature                                                                  | $P_{dh}$             | 33,0 kW             |
| W                    | $T_{OL}$ = operating limit                                                                        | $P_{dh}$             | 43,7 kW             |
| X                    | For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$ )                 | $P_{dh}$             | N/A kW              |
| Z                    | Bivalent temperature                                                                              | $T_{biv}$            | -10 °C              |
| AB                   | Degradation co-efficient heat pumps(**)                                                           | $C_{dh}$             | 0,25 -              |

|    |                                                     |           |          |
|----|-----------------------------------------------------|-----------|----------|
| AC | Power consumption in modes other than 'active mode' |           |          |
| AE | Off mode                                            | $P_{OFF}$ | 0,040 kW |
| AG | Thermostat-off mode                                 | $P_{TO}$  | 0,040 kW |
| AI | Crankcase heater mode                               | $P_{CK}$  | 0,124 kW |

|    |                                                |                          |                                                         |
|----|------------------------------------------------|--------------------------|---------------------------------------------------------|
| AK | Other items                                    |                          |                                                         |
| AL | Capacity control                               | variable <sup>(AM)</sup> |                                                         |
| AO | Sound power level for cooling (indoor/outdoor) | $L_{WA}$                 | - / 87,0 dB                                             |
| AP | Sound power level for heating(indoor/outdoor)  | $L_{WA}$                 | - / 89,0 dB                                             |
| AQ | Emissions of nitrogen oxides (if applicable)   | Nox (***)                | N/A mg/kWh fuel input GCV <sup>(AR)</sup>               |
| AT | GWP of the refrigerant                         |                          | 2087,5 kgCO <sub>2</sub> eq (100 years) <sup>(AU)</sup> |

| Item <sup>(1))</sup> | Symbol <sup>(1)</sup>                                                              | Value <sup>(1)</sup> | Unit <sup>(1)</sup> |
|----------------------|------------------------------------------------------------------------------------|----------------------|---------------------|
| N                    | Seasonal space cooling energy efficiency                                           | $\eta_{sc}$          | 213,0 %             |
| P                    | Declared energy efficiency ratio for part load at given outdoor temperatures $T_j$ |                      |                     |
| -                    | $T_j = 35\text{ °C}$                                                               | $EER_d$              | 1,9 -               |
|                      | $T_j = 30\text{ °C}$                                                               | $EER_d$              | 3,4 -               |
|                      | $T_j = 25\text{ °C}$                                                               | $EER_d$              | 5,8 -               |
|                      | $T_j = 20\text{ °C}$                                                               | $EER_d$              | 18,5 -              |

|    |                                                     |          |          |
|----|-----------------------------------------------------|----------|----------|
| AC | Power consumption in modes other than 'active mode' |          |          |
| AI | Crankcase heater mode                               | $P_{ck}$ | 0,000 kW |
| AJ | Standby mode                                        | $P_{SB}$ | 0,040 kW |

| Item <sup>(1))</sup> | Symbol <sup>(1)</sup>                                                                                            | Value <sup>(1)</sup> | Unit <sup>(1)</sup> |
|----------------------|------------------------------------------------------------------------------------------------------------------|----------------------|---------------------|
| S                    | Seasonal space heating energy efficiency                                                                         | $\eta_{sh}$          | 153,0 %             |
| U                    | Declared coefficient of performance* / Average season, at indoor temperature 20 °C and outdoor temperature $T_j$ |                      |                     |
| -                    | $T_j = -7\text{ °C}$                                                                                             | $COP_d$              | 2,4 -               |
|                      | $T_j = 2\text{ °C}$                                                                                              | $COP_d$              | 3,4 -               |
|                      | $T_j = 7\text{ °C}$                                                                                              | $COP_d$              | 6,6 -               |
|                      | $T_j = 12\text{ °C}$                                                                                             | $COP_d$              | 7,1 -               |
| V                    | $T_j$ = bivalent temperature                                                                                     | $COP_d$              | 2,0 -               |
| W                    | $T_j$ = operating limit                                                                                          | $COP_d$              | 1,7 -               |
| Y                    | For water-to-air heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$ )                                | $COP_d$              | N/A -               |
| AA                   | For water-to-air heat pumps: Operation limit temperature                                                         | $T_{ol}$             | N/A °C              |

|    |                          |           |          |
|----|--------------------------|-----------|----------|
| AD | Supplementary heater     |           |          |
| AF | Back-up heating capacity | $el_{bu}$ | N/A kW   |
| AH | Type of energy input     |           |          |
| AJ | Standby mode             | $P_{SB}$  | 0,040 kW |

|    |                                                                                                 |   |                         |
|----|-------------------------------------------------------------------------------------------------|---|-------------------------|
| AK | Other items                                                                                     |   |                         |
| AN | For air-to-air heat pumps/air conditioners : air flow rate, outdoor measured                    | - | 21900 m <sup>3</sup> /h |
| AS | For water/brine-to air heat pumps: Rated brined or water flow rate, outdoor side heat exchanger | - | N/A m <sup>3</sup> /h   |

|    |                 |                                                                                                                                                                                                                          |
|----|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AV | Contact details | Samsung, PO Box 12987, Blackrock, Co. Dublin. IE or Euro QA Lab. Saxony Way, Yateley, Hampshire GU46 6GG, UK<br>Samsung Türkiye Merkez Ofis, Flatofis İstanbul İş Merkezi Otakçılar Caddesi No: 78 Kat 3 No: B3 İstanbul |
|----|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

AW \*\*= If Cd is not determined by measurement then the default degradation coefficient shall be 0,25.

AX \*\*\* From 26 September 2018.

AY Where information relates to multi-split, the test result and performance data may be obtained on the basis of the performance of the out-door unit, with a combination of indoor unit(s) recommended by manufacturer or importer.

AZ For multi-split heat pumps/air conditioners, a list of appropriate indoor units: AMXXXXNxDXX, AMXXXXNXPXX, AMXXXXNFXFX

BA If you are a professional looking for information on non-destructive disassembly, dismantling and battery removability, please send an email to: erims.sec@samsung.com.

# COMMISSION REGULATION (EU) No 2016/2281 <sup>I)</sup>

## ECODESIGN REQUIREMENTS FOR heat pumps/air conditioners <sup>II)</sup>

| Information requirements <sup>III)</sup> |                                                                                                                                                     |                                     |                      |                     |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------|---------------------|
| A                                        | Information to identify the model(s) to which the information relates : AM080AXVAGH                                                                 |                                     |                      |                     |
| B                                        | Outdoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                      |                                     |                      |                     |
| C                                        | Indoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                       |                                     |                      |                     |
| D                                        | Indication if the heater is equipped with a supplementary heater: No                                                                                |                                     |                      |                     |
| E                                        | Type: [compressor driven vapour compression or sorption process] Compressor driven vapour compression                                               |                                     |                      |                     |
| F                                        | If applicable: driver of compressor: [electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine] Electric motor |                                     |                      |                     |
| G                                        | Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.                     |                                     |                      |                     |
|                                          | Item <sup>(H)</sup>                                                                                                                                 | Symbol <sup>(I)</sup>               | Value <sup>(J)</sup> | Unit <sup>(K)</sup> |
| L                                        | Rated cooling capacity                                                                                                                              | P <sub>rated,c</sub> <sup>(M)</sup> | 22,4                 | kW                  |
| O                                        | Declared cooling capacity for part load at given outdoor temperatures T <sub>j</sub> and indoor 27°C/19°C (dry/wet bulb)                            |                                     |                      |                     |
| -                                        | T <sub>j</sub> = 35 °C                                                                                                                              | P <sub>dc</sub>                     | 22,4                 | kW                  |
|                                          | T <sub>j</sub> = 30 °C                                                                                                                              | P <sub>dc</sub>                     | 16,6                 | kW                  |
|                                          | T <sub>j</sub> = 25 °C                                                                                                                              | P <sub>dc</sub>                     | 10,5                 | kW                  |
|                                          | T <sub>j</sub> = 20 °C                                                                                                                              | P <sub>dc</sub>                     | 4,7                  | kW                  |
| Q                                        | Degradation co-efficient for air conditioners(**)                                                                                                   | C <sub>dc</sub>                     | 0,25                 | -                   |
| AC                                       | Power consumption in modes other than 'active mode'                                                                                                 |                                     |                      |                     |
| AE                                       | Off mode                                                                                                                                            | P <sub>OFF</sub>                    | 0,030                | kW                  |
| AG                                       | Thermostat-off mode                                                                                                                                 | P <sub>TO</sub>                     | 0,000                | kW                  |

|    | Item <sup>(H)</sup>                                                                         | Symbol <sup>(I)</sup> | Value <sup>(J)</sup> | Unit <sup>(K)</sup> |
|----|---------------------------------------------------------------------------------------------|-----------------------|----------------------|---------------------|
| N  | Seasonal space cooling energy efficiency                                                    | η <sub>s,c</sub>      | 257,0                | %                   |
| P  | Declared energy efficiency ratio for part load at given outdoor temperatures T <sub>j</sub> |                       |                      |                     |
| -  | T <sub>j</sub> = 35 °C                                                                      | EER <sub>d</sub>      | 2,8                  | -                   |
|    | T <sub>j</sub> = 30 °C                                                                      | EER <sub>d</sub>      | 4,1                  | -                   |
|    | T <sub>j</sub> = 25 °C                                                                      | EER <sub>d</sub>      | 7,2                  | -                   |
|    | T <sub>j</sub> = 20 °C                                                                      | EER <sub>d</sub>      | 18,0                 | -                   |
| AC | Power consumption in modes other than 'active mode'                                         |                       |                      |                     |
| AI | Crankcase heater mode                                                                       | P <sub>ck</sub>       | 0,000                | kW                  |
| AJ | Standby mode                                                                                | P <sub>sB</sub>       | 0,030                | kW                  |

|    | Item <sup>(H)</sup>                                                                                        | Symbol <sup>(I)</sup> | Value <sup>(J)</sup> | Unit <sup>(K)</sup> |
|----|------------------------------------------------------------------------------------------------------------|-----------------------|----------------------|---------------------|
| R  | Rated heating capacity                                                                                     | P <sub>rated,h</sub>  | 22,4                 | kW                  |
| T  | Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                       |                      |                     |
| -  | T <sub>j</sub> = - 7 °C                                                                                    | P <sub>dh</sub>       | 12,1                 | kW                  |
|    | T <sub>j</sub> = 2 °C                                                                                      | P <sub>dh</sub>       | 7,4                  | kW                  |
|    | T <sub>j</sub> = 7 °C                                                                                      | P <sub>dh</sub>       | 4,8                  | kW                  |
|    | T <sub>j</sub> = 12 °C                                                                                     | P <sub>dh</sub>       | 2,1                  | kW                  |
| V  | T <sub>biv</sub> = bivalent temperature                                                                    | P <sub>dh</sub>       | 13,7                 | kW                  |
| W  | T <sub>OL</sub> = operating limit                                                                          | P <sub>dh</sub>       | 13,4                 | kW                  |
| X  | For air-to-water heat pumps: T <sub>j</sub> = -15°C (if T <sub>OL</sub> <-20°C)                            | P <sub>dh</sub>       | N/A                  | kW                  |
| Z  | Bivalent temperature                                                                                       | T <sub>biv</sub>      | -10                  | °C                  |
| AB | Degradation co-efficient heat pumps(**)                                                                    | C <sub>dh</sub>       | 0,25                 | -                   |
| AC | Power consumption in modes other than 'active mode'                                                        |                       |                      |                     |
| AE | Off mode                                                                                                   | P <sub>OFF</sub>      | 0,030                | kW                  |
| AG | Thermostat-off mode                                                                                        | P <sub>TO</sub>       | 0,030                | kW                  |
| AI | Crankcase heater mode                                                                                      | P <sub>CK</sub>       | 0,062                | kW                  |

|    | Item <sup>(H)</sup>                                                                                                       | Symbol <sup>(I)</sup> | Value <sup>(J)</sup> | Unit <sup>(K)</sup> |
|----|---------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------|---------------------|
| S  | Seasonal space heating energy efficiency                                                                                  | η <sub>s,h</sub>      | 165,0                | %                   |
| U  | Declared coefficient of performance* / Average season, at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                       |                      |                     |
| -  | T <sub>j</sub> = - 7 °C                                                                                                   | COP <sub>d</sub>      | 2,4                  | -                   |
|    | T <sub>j</sub> = 2 °C                                                                                                     | COP <sub>d</sub>      | 4,0                  | -                   |
|    | T <sub>j</sub> = 7 °C                                                                                                     | COP <sub>d</sub>      | 6,3                  | -                   |
|    | T <sub>j</sub> = 12 °C                                                                                                    | COP <sub>d</sub>      | 6,6                  | -                   |
| V  | T <sub>j</sub> = bivalent temperature                                                                                     | COP <sub>d</sub>      | 2,1                  | -                   |
| W  | T <sub>j</sub> = operating limit                                                                                          | COP <sub>d</sub>      | 2,2                  | -                   |
| Y  | For water-to-air heat pumps: T <sub>j</sub> = -15°C (if T <sub>OL</sub> <-20°C)                                           | COP <sub>d</sub>      | N/A                  | -                   |
| AA | For water-to-air heat pumps: Operation limit temperature                                                                  | T <sub>ol</sub>       | N/A                  | °C                  |
| AD | Supplementary heater                                                                                                      |                       |                      |                     |
| AF | Back-up heating capacity                                                                                                  | elbu                  | N/A                  | kW                  |
| AH | Type of energy input                                                                                                      |                       |                      |                     |
| AJ | Standby mode                                                                                                              | P <sub>sB</sub>       | 0,030                | kW                  |

|    | Other items                                    |                 |                          |                                                  |
|----|------------------------------------------------|-----------------|--------------------------|--------------------------------------------------|
| AL | Capacity control                               |                 | variable <sup>(AM)</sup> |                                                  |
| AO | Sound power level for cooling (indoor/outdoor) | L <sub>WA</sub> | - / 75,0                 | dB                                               |
| AP | Sound power level for heating(indoor/outdoor)  | L <sub>WA</sub> | - / 80,0                 | dB                                               |
| AQ | Emissions of nitrogen oxides (if applicable)   | Nox (***)       | N/A                      | mg/kWh fuel input GCV <sup>(AR)</sup>            |
| AT | GWP of the refrigerant                         |                 | 2087,5                   | kgCO <sub>2</sub> eq (100 years) <sup>(AU)</sup> |

|    | Other items                                                                                     |   |      |                   |
|----|-------------------------------------------------------------------------------------------------|---|------|-------------------|
| AN | For air-to-air heat pumps/air conditioners : air flow rate, outdoor measured                    | - | 9060 | m <sup>3</sup> /h |
| AS | For water/brine-to air heat pumps: Rated brined or water flow rate, outdoor side heat exchanger | - | N/A  | m <sup>3</sup> /h |

|                                                                                                       |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                          |  |  |
|-------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| AV                                                                                                    | Contact details                                                                                                                                                                                                                    | Samsung, PO Box 12987, Blackrock, Co. Dublin. IE or Euro QA Lab. Saxony Way, Yateley, Hampshire GU46 6GG, UK<br>Samsung Türkiye Merkez Ofis, Flatofis İstanbul İş Merkezi Otakçılar Caddesi No: 78 Kat 3 No: B3 İstanbul |  |  |
| AW **= If Cd is not determined by measurement then the default degradation coefficient shall be 0,25. |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                          |  |  |
| AX *** From 26 September 2018.                                                                        |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                          |  |  |
| AY                                                                                                    | Where information relates to multi-split, the test result and performance data may be obtained on the basis of the performance of the out-door unit, with a combination of indoor unit(s) recommended by manufacturer or importer. |                                                                                                                                                                                                                          |  |  |
| AZ                                                                                                    | For multi-split heat pumps/air conditioners, a list of appropriate indoor units: AMXXXXNXDXX, AMXXXXNXPXX, AMXXXXNXFXX                                                                                                             |                                                                                                                                                                                                                          |  |  |
| BA                                                                                                    | If you are a professional looking for information on non-destructive disassembly, dismantling and battery removability, please send an email to: erims.sec@samsung.com.                                                            |                                                                                                                                                                                                                          |  |  |

AV Contact details Samsung, PO Box 12987, Blackrock, Co. Dublin. IE or Euro QA Lab. Saxony Way, Yateley, Hampshire GU46 6GG, UK  
Samsung Türkiye Merkez Ofis, Flatofis İstanbul İş Merkezi Otakçılar Caddesi No: 78 Kat 3 No: B3 İstanbul

AW \*\*= If Cd is not determined by measurement then the default degradation coefficient shall be 0,25.

AX \*\*\* From 26 September 2018.

AY Where information relates to multi-split, the test result and performance data may be obtained on the basis of the performance of the out-door unit, with a combination of indoor unit(s) recommended by manufacturer or importer.

AZ For multi-split heat pumps/air conditioners, a list of appropriate indoor units: AM\*\*\*\*\*D\*\*, AM\*\*\*\*\*P\*\*, AM\*\*\*\*\*F\*\*

BA If you are a professional looking for information on non-destructive disassembly, dismantling and battery removability, please send an email to: erims.sec@samsung.com.

# COMMISSION REGULATION (EU) No 2016/2281 <sup>1)</sup>

## ECODESIGN REQUIREMENTS FOR heat pumps/air conditioners <sup>1)</sup>

### Information requirements <sup>1))</sup>

|   |                                                                                                                                                     |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| A | Information to identify the model(s) to which the information relates : AM100AXVAGH                                                                 |
| B | Outdoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                      |
| C | Indoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                       |
| D | Indication if the heater is equipped with a supplementary heater: No                                                                                |
| E | Type: [compressor driven vapour compression or sorption process] Compressor driven vapour compression                                               |
| F | If applicable: driver of compressor: [electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine] Electric motor |
| G | Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.                     |

| Item <sup>(1))</sup>                                | Symbol <sup>(1)</sup>                                                                                                    | Value <sup>(2)</sup>                | Unit <sup>(3)</sup> |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------|
| L                                                   | Rated cooling capacity                                                                                                   | P <sub>rated,c</sub> <sup>(4)</sup> | 28,0 kW             |
| O                                                   | Declared cooling capacity for part load at given outdoor temperatures T <sub>j</sub> and indoor 27°C/19°C (dry/wet bulb) |                                     |                     |
| -                                                   | T <sub>j</sub> = 35 °C                                                                                                   | P <sub>dc</sub>                     | 28,0 kW             |
|                                                     | T <sub>j</sub> = 30 °C                                                                                                   | P <sub>dc</sub>                     | 20,7 kW             |
|                                                     | T <sub>j</sub> = 25 °C                                                                                                   | P <sub>dc</sub>                     | 13,2 kW             |
|                                                     | T <sub>j</sub> = 20 °C                                                                                                   | P <sub>dc</sub>                     | 5,9 kW              |
| Q                                                   | Degradation co-efficient for air conditioners(**)                                                                        | C <sub>dc</sub>                     | 0,25 -              |
| Power consumption in modes other than 'active mode' |                                                                                                                          |                                     |                     |
| AE                                                  | Off mode                                                                                                                 | P <sub>OFF</sub>                    | 0,030 kW            |
| AG                                                  | Thermostat-off mode                                                                                                      | P <sub>TO</sub>                     | 0,000 kW            |

| Item <sup>(1))</sup> | Symbol <sup>(1)</sup>                                                                                      | Value <sup>(2)</sup> | Unit <sup>(3)</sup> |
|----------------------|------------------------------------------------------------------------------------------------------------|----------------------|---------------------|
| R                    | Rated heating capacity                                                                                     | P <sub>rated,h</sub> | 28,0 kW             |
| T                    | Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                      |                     |
| -                    | T <sub>j</sub> = - 7 °C                                                                                    | P <sub>dh</sub>      | 14,3 kW             |
|                      | T <sub>j</sub> = 2 °C                                                                                      | P <sub>dh</sub>      | 8,8 kW              |
|                      | T <sub>j</sub> = 7 °C                                                                                      | P <sub>dh</sub>      | 5,7 kW              |
|                      | T <sub>j</sub> = 12 °C                                                                                     | P <sub>dh</sub>      | 2,4 kW              |
| V                    | T <sub>biv</sub> = bivalent temperature                                                                    | P <sub>dh</sub>      | 16,3 kW             |
| W                    | T <sub>OL</sub> = operating limit                                                                          | P <sub>dh</sub>      | 16,8 kW             |
| X                    | For air-to-water heat pumps: T <sub>j</sub> = -15°C (if T <sub>OL</sub> < -20°C)                           | P <sub>dh</sub>      | N/A kW              |
| Z                    | Bivalent temperature                                                                                       | T <sub>biv</sub>     | -10 °C              |
| AB                   | Degradation co-efficient heat pumps(**)                                                                    | C <sub>dh</sub>      | 0,25 -              |

|                                                     |                       |                  |          |
|-----------------------------------------------------|-----------------------|------------------|----------|
| Power consumption in modes other than 'active mode' |                       |                  |          |
| AE                                                  | Off mode              | P <sub>OFF</sub> | 0,030 kW |
| AG                                                  | Thermostat-off mode   | P <sub>TO</sub>  | 0,030 kW |
| AI                                                  | Crankcase heater mode | P <sub>CK</sub>  | 0,062 kW |

| Other items |                                                |                          |                                                         |
|-------------|------------------------------------------------|--------------------------|---------------------------------------------------------|
| AL          | Capacity control                               | variable <sup>(AM)</sup> |                                                         |
| AO          | Sound power level for cooling (indoor/outdoor) | L <sub>WA</sub>          | - / 78,0 dB                                             |
| AP          | Sound power level for heating(indoor/outdoor)  | L <sub>WA</sub>          | - / 81,0 dB                                             |
| AQ          | Emissions of nitrogen oxides (if applicable)   | Nox (***)                | N/A mg/kWh fuel input GCV <sup>(AR)</sup>               |
| AT          | GWP of the refrigerant                         |                          | 2087,5 kgCO <sub>2</sub> eq (100 years) <sup>(AU)</sup> |

| Item <sup>(1))</sup> | Symbol <sup>(1)</sup>                                                                       | Value <sup>(2)</sup> | Unit <sup>(3)</sup> |
|----------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|
| N                    | Seasonal space cooling energy efficiency                                                    | η <sub>sc</sub>      | 245,0 %             |
| P                    | Declared energy efficiency ratio for part load at given outdoor temperatures T <sub>j</sub> |                      |                     |
| -                    | T <sub>j</sub> = 35 °C                                                                      | EER <sub>d</sub>     | 2,4 -               |
|                      | T <sub>j</sub> = 30 °C                                                                      | EER <sub>d</sub>     | 3,9 -               |
|                      | T <sub>j</sub> = 25 °C                                                                      | EER <sub>d</sub>     | 6,9 -               |
|                      | T <sub>j</sub> = 20 °C                                                                      | EER <sub>d</sub>     | 18,5 -              |

|                                                     |                       |                 |          |
|-----------------------------------------------------|-----------------------|-----------------|----------|
| Power consumption in modes other than 'active mode' |                       |                 |          |
| AI                                                  | Crankcase heater mode | P <sub>ck</sub> | 0,000 kW |
| AJ                                                  | Standby mode          | P <sub>SB</sub> | 0,030 kW |

| Item <sup>(1))</sup> | Symbol <sup>(1)</sup>                                                                                                     | Value <sup>(2)</sup> | Unit <sup>(3)</sup> |
|----------------------|---------------------------------------------------------------------------------------------------------------------------|----------------------|---------------------|
| S                    | Seasonal space heating energy efficiency                                                                                  | η <sub>sh</sub>      | 165,0 %             |
| U                    | Declared coefficient of performance* / Average season, at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                      |                     |
| -                    | T <sub>j</sub> = - 7 °C                                                                                                   | COP <sub>d</sub>     | 2,2 -               |
|                      | T <sub>j</sub> = 2 °C                                                                                                     | COP <sub>d</sub>     | 4,2 -               |
|                      | T <sub>j</sub> = 7 °C                                                                                                     | COP <sub>d</sub>     | 6,4 -               |
|                      | T <sub>j</sub> = 12 °C                                                                                                    | COP <sub>d</sub>     | 6,8 -               |
| V                    | T <sub>j</sub> = bivalent temperature                                                                                     | COP <sub>d</sub>     | 2,0 -               |
| W                    | T <sub>j</sub> = operating limit                                                                                          | COP <sub>d</sub>     | 2,0 -               |
| Y                    | For water-to-air heat pumps: T <sub>j</sub> = -15°C (if T <sub>OL</sub> < -20°C)                                          | COP <sub>d</sub>     | N/A -               |
| AA                   | For water-to-air heat pumps: Operation limit temperature                                                                  | T <sub>ol</sub>      | N/A °C              |

|                      |                          |                 |          |
|----------------------|--------------------------|-----------------|----------|
| Supplementary heater |                          |                 |          |
| AF                   | Back-up heating capacity | elbu            | N/A kW   |
| AH                   | Type of energy input     |                 |          |
| AJ                   | Standby mode             | P <sub>SB</sub> | 0,030 kW |

| Other items |                                                                                                 |   |                         |
|-------------|-------------------------------------------------------------------------------------------------|---|-------------------------|
| AN          | For air-to-air heat pumps/air conditioners : air flow rate, outdoor measured                    | - | 10020 m <sup>3</sup> /h |
| AS          | For water/brine-to air heat pumps: Rated brined or water flow rate, outdoor side heat exchanger | - | N/A m <sup>3</sup> /h   |

|    |                 |                                                                                                                                                                                                                          |  |
|----|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| AV | Contact details | Samsung, PO Box 12987, Blackrock, Co. Dublin. IE or Euro QA Lab. Saxony Way, Yateley, Hampshire GU46 6GG, UK<br>Samsung Türkiye Merkez Ofis, Flatofis İstanbul İş Merkezi Otakçılar Caddesi No: 78 Kat 3 No: B3 İstanbul |  |
|----|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|

AW \*\*= If Cd is not determined by measurement then the default degradation coefficient shall be 0,25.

AX \*\*\* From 26 September 2018.

AY Where information relates to multi-split, the test result and performance data may be obtained on the basis of the performance of the out-door unit, with a combination of indoor unit(s) recommended by manufacturer or importer.

AZ For multi-split heat pumps/air conditioners, a list of appropriate indoor units: AMXXXXNxDXX, AMXXXXNXPXX, AMXXXXNFXFX

BA If you are a professional looking for information on non-destructive disassembly, dismantling and battery removability, please send an email to: erims.sec@samsung.com.



# COMMISSION REGULATION (EU) No 2016/2281<sup>1)</sup>

## ECODESIGN REQUIREMENTS FOR heat pumps/air conditioners<sup>1)</sup>

| Information requirements <sup>III)</sup> |                                                                                                                                                     |                                     |                      |                     |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------|---------------------|
| A                                        | Information to identify the model(s) to which the information relates : AM120AXVAGH                                                                 |                                     |                      |                     |
| B                                        | Outdoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                      |                                     |                      |                     |
| C                                        | Indoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                       |                                     |                      |                     |
| D                                        | Indication if the heater is equipped with a supplementary heater: No                                                                                |                                     |                      |                     |
| E                                        | Type: [compressor driven vapour compression or sorption process] Compressor driven vapour compression                                               |                                     |                      |                     |
| F                                        | If applicable: driver of compressor: [electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine] Electric motor |                                     |                      |                     |
| G                                        | Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.                     |                                     |                      |                     |
|                                          | Item <sup>(1)</sup>                                                                                                                                 | Symbol <sup>(1)</sup>               | Value <sup>(2)</sup> | Unit <sup>(3)</sup> |
| L                                        | Rated cooling capacity                                                                                                                              | P <sub>rated,c</sub> <sup>(4)</sup> | 33,6                 | kW                  |
| O                                        | Declared cooling capacity for part load at given outdoor temperatures T <sub>j</sub> and indoor 27°C/19°C (dry/wet bulb)                            |                                     |                      |                     |
| -                                        | T <sub>j</sub> = 35 °C                                                                                                                              | P <sub>dc</sub>                     | 33,6                 | kW                  |
|                                          | T <sub>j</sub> = 30 °C                                                                                                                              | P <sub>dc</sub>                     | 24,9                 | kW                  |
|                                          | T <sub>j</sub> = 25 °C                                                                                                                              | P <sub>dc</sub>                     | 15,8                 | kW                  |
|                                          | T <sub>j</sub> = 20 °C                                                                                                                              | P <sub>dc</sub>                     | 7,1                  | kW                  |
| Q                                        | Degradation co-efficient for air conditioners(**)                                                                                                   | C <sub>dc</sub>                     | 0,25                 | -                   |
| AC                                       | Power consumption in modes other than 'active mode'                                                                                                 |                                     |                      |                     |
| AE                                       | Off mode                                                                                                                                            | P <sub>OFF</sub>                    | 0,030                | kW                  |
| AG                                       | Thermostat-off mode                                                                                                                                 | P <sub>TO</sub>                     | 0,000                | kW                  |

|    | Item <sup>(1)</sup>                                                                         | Symbol <sup>(1)</sup> | Value <sup>(2)</sup> | Unit <sup>(3)</sup> |
|----|---------------------------------------------------------------------------------------------|-----------------------|----------------------|---------------------|
| N  | Seasonal space cooling energy efficiency                                                    | η <sub>s,c</sub>      | 261,0                | %                   |
| P  | Declared energy efficiency ratio for part load at given outdoor temperatures T <sub>j</sub> |                       |                      |                     |
| -  | T <sub>j</sub> = 35 °C                                                                      | EER <sub>d</sub>      | 2,6                  | -                   |
|    | T <sub>j</sub> = 30 °C                                                                      | EER <sub>d</sub>      | 4,2                  | -                   |
|    | T <sub>j</sub> = 25 °C                                                                      | EER <sub>d</sub>      | 7,4                  | -                   |
|    | T <sub>j</sub> = 20 °C                                                                      | EER <sub>d</sub>      | 18,3                 | -                   |
| AC | Power consumption in modes other than 'active mode'                                         |                       |                      |                     |
| AI | Crankcase heater mode                                                                       | P <sub>ck</sub>       | 0,000                | kW                  |
| AJ | Standby mode                                                                                | P <sub>sB</sub>       | 0,030                | kW                  |

|    | Item <sup>(1)</sup>                                                                                        | Symbol <sup>(1)</sup> | Value <sup>(2)</sup> | Unit <sup>(3)</sup> |
|----|------------------------------------------------------------------------------------------------------------|-----------------------|----------------------|---------------------|
| R  | Rated heating capacity                                                                                     | P <sub>rated,h</sub>  | 33,6                 | kW                  |
| T  | Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                       |                      |                     |
| -  | T <sub>j</sub> = - 7 °C                                                                                    | P <sub>dh</sub>       | 16,5                 | kW                  |
|    | T <sub>j</sub> = 2 °C                                                                                      | P <sub>dh</sub>       | 10,2                 | kW                  |
|    | T <sub>j</sub> = 7 °C                                                                                      | P <sub>dh</sub>       | 6,6                  | kW                  |
|    | T <sub>j</sub> = 12 °C                                                                                     | P <sub>dh</sub>       | 2,8                  | kW                  |
| V  | T <sub>biv</sub> = bivalent temperature                                                                    | P <sub>dh</sub>       | 18,8                 | kW                  |
| W  | T <sub>OL</sub> = operating limit                                                                          | P <sub>dh</sub>       | 20,2                 | kW                  |
| X  | For air-to-water heat pumps: T <sub>j</sub> = -15°C (if T <sub>OL</sub> <-20°C)                            | P <sub>dh</sub>       | N/A                  | kW                  |
| Z  | Bivalent temperature                                                                                       | T <sub>biv</sub>      | -10                  | °C                  |
| AB | Degradation co-efficient heat pumps(**)                                                                    | C <sub>dh</sub>       | 0,25                 | -                   |

|    | Item <sup>(1)</sup>                                 | Symbol <sup>(1)</sup> | Value <sup>(2)</sup> | Unit <sup>(3)</sup> |
|----|-----------------------------------------------------|-----------------------|----------------------|---------------------|
| AC | Power consumption in modes other than 'active mode' |                       |                      |                     |
| AE | Off mode                                            | P <sub>OFF</sub>      | 0,030                | kW                  |
| AG | Thermostat-off mode                                 | P <sub>TO</sub>       | 0,030                | kW                  |
| AI | Crankcase heater mode                               | P <sub>CK</sub>       | 0,062                | kW                  |

|    | Item <sup>(1)</sup>                                                                                                       | Symbol <sup>(1)</sup> | Value <sup>(2)</sup> | Unit <sup>(3)</sup> |
|----|---------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------|---------------------|
| S  | Seasonal space heating energy efficiency                                                                                  | η <sub>s,h</sub>      | 173,0                | %                   |
| U  | Declared coefficient of performance* / Average season, at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                       |                      |                     |
| -  | T <sub>j</sub> = -7 °C                                                                                                    | COP <sub>d</sub>      | 2,6                  | -                   |
|    | T <sub>j</sub> = 2 °C                                                                                                     | COP <sub>d</sub>      | 4,2                  | -                   |
|    | T <sub>j</sub> = 7 °C                                                                                                     | COP <sub>d</sub>      | 6,6                  | -                   |
|    | T <sub>j</sub> = 12 °C                                                                                                    | COP <sub>d</sub>      | 7,0                  | -                   |
| V  | T <sub>j</sub> = bivalent temperature                                                                                     | COP <sub>d</sub>      | 2,2                  | -                   |
| W  | T <sub>j</sub> = operating limit                                                                                          | COP <sub>d</sub>      | 2,1                  | -                   |
| Y  | For water-to-air heat pumps: T <sub>j</sub> = -15°C (if T <sub>OL</sub> <-20°C)                                           | COP <sub>d</sub>      | N/A                  | -                   |
| AA | For water-to-air heat pumps: Operation limit temperature                                                                  | T <sub>ol</sub>       | N/A                  | °C                  |

|    | Supplementary heater     |                  |       |    |
|----|--------------------------|------------------|-------|----|
| AD |                          |                  |       |    |
| AF | Back-up heating capacity | el <sub>bu</sub> | N/A   | kW |
| AH | Type of energy input     |                  |       |    |
| AJ | Standby mode             | P <sub>sB</sub>  | 0,030 | kW |

|    | Other items                                    |                          |          |                                                  |
|----|------------------------------------------------|--------------------------|----------|--------------------------------------------------|
| AK |                                                |                          |          |                                                  |
| AL | Capacity control                               | variable <sup>(AM)</sup> |          |                                                  |
| AO | Sound power level for cooling (indoor/outdoor) | L <sub>WA</sub>          | - / 81,0 | dB                                               |
| AP | Sound power level for heating(indoor/outdoor)  | L <sub>WA</sub>          | - / 84,0 | dB                                               |
| AQ | Emissions of nitrogen oxides (if applicable)   | Nox (***)                | N/A      | mg/kWh fuel input GCV <sup>(AR)</sup>            |
| AT | GWP of the refrigerant                         |                          | 2087,5   | kgCO <sub>2</sub> eq (100 years) <sup>(AU)</sup> |

|    | Other items                                                                                     |   |       |                   |
|----|-------------------------------------------------------------------------------------------------|---|-------|-------------------|
| AK |                                                                                                 |   |       |                   |
| AN | For air-to-air heat pumps/air conditioners : air flow rate, outdoor measured                    | - | 11760 | m <sup>3</sup> /h |
| AS | For water/brine-to air heat pumps: Rated brined or water flow rate, outdoor side heat exchanger | - | N/A   | m <sup>3</sup> /h |

|    |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                          |  |  |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| AV | Contact details                                                                                                                                                                                                                    | Samsung, PO Box 12987, Blackrock, Co. Dublin. IE or Euro QA Lab. Saxony Way, Yateley, Hampshire GU46 6GG, UK<br>Samsung Türkiye Merkez Ofis, Flatofis İstanbul İş Merkezi Otakçılar Caddesi No: 78 Kat 3 No: B3 İstanbul |  |  |
| AW | **= If Cd is not determined by measurement then the default degradation coefficient shall be 0,25.                                                                                                                                 |                                                                                                                                                                                                                          |  |  |
| AX | *** From 26 September 2018.                                                                                                                                                                                                        |                                                                                                                                                                                                                          |  |  |
| AY | Where information relates to multi-split, the test result and performance data may be obtained on the basis of the performance of the out-door unit, with a combination of indoor unit(s) recommended by manufacturer or importer. |                                                                                                                                                                                                                          |  |  |
| AZ | For multi-split heat pumps/air conditioners, a list of appropriate indoor units: AM*****D**, AM*****P**, AM*****F**                                                                                                                |                                                                                                                                                                                                                          |  |  |
| BA | If you are a professional looking for information on non-destructive disassembly, dismantling and battery removability, please send an email to: erims.sec@samsung.com.                                                            |                                                                                                                                                                                                                          |  |  |

# COMMISSION REGULATION (EU) No 2016/2281 <sup>1)</sup>

## ECODESIGN REQUIREMENTS FOR heat pumps/air conditioners <sup>1)</sup>

### Information requirements <sup>1))</sup>

|   |                                                                                                                                                     |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| A | Information to identify the model(s) to which the information relates : AM140AXVAGH                                                                 |
| B | Outdoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                      |
| C | Indoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                       |
| D | Indication if the heater is equipped with a supplementary heater: No                                                                                |
| E | Type: [compressor driven vapour compression or sorption process] Compressor driven vapour compression                                               |
| F | If applicable: driver of compressor: [electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine] Electric motor |
| G | Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.                     |

| Item <sup>(1))</sup>                                | Symbol <sup>(1)</sup>                                                                                                    | Value <sup>(2)</sup>                | Unit <sup>(3)</sup> |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------|
| L                                                   | Rated cooling capacity                                                                                                   | P <sub>rated,c</sub> <sup>(M)</sup> | 40,0 kW             |
| O                                                   | Declared cooling capacity for part load at given outdoor temperatures T <sub>j</sub> and indoor 27°C/19°C (dry/wet bulb) |                                     |                     |
| -                                                   | T <sub>j</sub> = 35 °C                                                                                                   | P <sub>dc</sub>                     | 40,0 kW             |
|                                                     | T <sub>j</sub> = 30 °C                                                                                                   | P <sub>dc</sub>                     | 29,6 kW             |
|                                                     | T <sub>j</sub> = 25 °C                                                                                                   | P <sub>dc</sub>                     | 18,8 kW             |
|                                                     | T <sub>j</sub> = 20 °C                                                                                                   | P <sub>dc</sub>                     | 8,4 kW              |
| Q                                                   | Degradation co-efficient for air conditioners(**)                                                                        | C <sub>dc</sub>                     | 0,25 -              |
| Power consumption in modes other than 'active mode' |                                                                                                                          |                                     |                     |
| AE                                                  | Off mode                                                                                                                 | P <sub>OFF</sub>                    | 0,030 kW            |
| AG                                                  | Thermostat-off mode                                                                                                      | P <sub>TO</sub>                     | 0,000 kW            |

| Item <sup>(1))</sup> | Symbol <sup>(1)</sup>                                                                                      | Value <sup>(2)</sup> | Unit <sup>(3)</sup> |
|----------------------|------------------------------------------------------------------------------------------------------------|----------------------|---------------------|
| R                    | Rated heating capacity                                                                                     | P <sub>rated,h</sub> | 40,0 kW             |
| T                    | Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                      |                     |
| -                    | T <sub>j</sub> = - 7 °C                                                                                    | P <sub>dh</sub>      | 17,9 kW             |
|                      | T <sub>j</sub> = 2 °C                                                                                      | P <sub>dh</sub>      | 11,0 kW             |
|                      | T <sub>j</sub> = 7 °C                                                                                      | P <sub>dh</sub>      | 7,1 kW              |
|                      | T <sub>j</sub> = 12 °C                                                                                     | P <sub>dh</sub>      | 3,0 kW              |
| V                    | T <sub>biv</sub> = bivalent temperature                                                                    | P <sub>dh</sub>      | 20,3 kW             |
| W                    | T <sub>OL</sub> = operating limit                                                                          | P <sub>dh</sub>      | 24,0 kW             |
| X                    | For air-to-water heat pumps: T <sub>j</sub> = -15°C (if T <sub>OL</sub> < -20°C)                           | P <sub>dh</sub>      | N/A kW              |
| Z                    | Bivalent temperature                                                                                       | T <sub>biv</sub>     | -10 °C              |
| AB                   | Degradation co-efficient heat pumps(**)                                                                    | C <sub>dh</sub>      | 0,25 -              |

|                                                     |                       |                  |          |
|-----------------------------------------------------|-----------------------|------------------|----------|
| Power consumption in modes other than 'active mode' |                       |                  |          |
| AE                                                  | Off mode              | P <sub>OFF</sub> | 0,030 kW |
| AG                                                  | Thermostat-off mode   | P <sub>TO</sub>  | 0,030 kW |
| AI                                                  | Crankcase heater mode | P <sub>CK</sub>  | 0,062 kW |

| Other items |                                                |                          |                                                         |
|-------------|------------------------------------------------|--------------------------|---------------------------------------------------------|
| AL          | Capacity control                               | variable <sup>(AM)</sup> |                                                         |
| AO          | Sound power level for cooling (indoor/outdoor) | L <sub>WA</sub>          | - / 85,0 dB                                             |
| AP          | Sound power level for heating(indoor/outdoor)  | L <sub>WA</sub>          | - / 86,0 dB                                             |
| AQ          | Emissions of nitrogen oxides (if applicable)   | Nox (***)                | N/A mg/kWh fuel input GCV <sup>(AR)</sup>               |
| AT          | GWP of the refrigerant                         |                          | 2087,5 kgCO <sub>2</sub> eq (100 years) <sup>(AU)</sup> |

| Item <sup>(1))</sup> | Symbol <sup>(1)</sup>                                                                       | Value <sup>(2)</sup> | Unit <sup>(3)</sup> |
|----------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|
| N                    | Seasonal space cooling energy efficiency                                                    | η <sub>sc</sub>      | 253,0 %             |
| P                    | Declared energy efficiency ratio for part load at given outdoor temperatures T <sub>j</sub> |                      |                     |
| -                    | T <sub>j</sub> = 35 °C                                                                      | EER <sub>d</sub>     | 2,2 -               |
|                      | T <sub>j</sub> = 30 °C                                                                      | EER <sub>d</sub>     | 4,1 -               |
|                      | T <sub>j</sub> = 25 °C                                                                      | EER <sub>d</sub>     | 7,4 -               |
|                      | T <sub>j</sub> = 20 °C                                                                      | EER <sub>d</sub>     | 18,5 -              |

|                                                     |                       |                 |          |
|-----------------------------------------------------|-----------------------|-----------------|----------|
| Power consumption in modes other than 'active mode' |                       |                 |          |
| AI                                                  | Crankcase heater mode | P <sub>ck</sub> | 0,000 kW |
| AJ                                                  | Standby mode          | P <sub>SB</sub> | 0,030 kW |

| Item <sup>(1))</sup> | Symbol <sup>(1)</sup>                                                                                                     | Value <sup>(2)</sup> | Unit <sup>(3)</sup> |
|----------------------|---------------------------------------------------------------------------------------------------------------------------|----------------------|---------------------|
| S                    | Seasonal space heating energy efficiency                                                                                  | η <sub>sh</sub>      | 165,0 %             |
| U                    | Declared coefficient of performance* / Average season, at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                      |                     |
| -                    | T <sub>j</sub> = - 7 °C                                                                                                   | COP <sub>d</sub>     | 2,5 -               |
|                      | T <sub>j</sub> = 2 °C                                                                                                     | COP <sub>d</sub>     | 4,0 -               |
|                      | T <sub>j</sub> = 7 °C                                                                                                     | COP <sub>d</sub>     | 6,4 -               |
|                      | T <sub>j</sub> = 12 °C                                                                                                    | COP <sub>d</sub>     | 6,5 -               |
| V                    | T <sub>j</sub> = bivalent temperature                                                                                     | COP <sub>d</sub>     | 2,1 -               |
| W                    | T <sub>j</sub> = operating limit                                                                                          | COP <sub>d</sub>     | 2,0 -               |
| Y                    | For water-to-air heat pumps: T <sub>j</sub> = -15°C (if T <sub>OL</sub> < -20°C)                                          | COP <sub>d</sub>     | N/A -               |
| AA                   | For water-to-air heat pumps: Operation limit temperature                                                                  | T <sub>ol</sub>      | N/A °C              |

|                      |                          |                 |          |
|----------------------|--------------------------|-----------------|----------|
| Supplementary heater |                          |                 |          |
| AF                   | Back-up heating capacity | elbu            | N/A kW   |
| AH                   | Type of energy input     |                 |          |
| AJ                   | Standby mode             | P <sub>SB</sub> | 0,030 kW |

| Other items |                                                                                                 |   |                         |
|-------------|-------------------------------------------------------------------------------------------------|---|-------------------------|
| AN          | For air-to-air heat pumps/air conditioners : air flow rate, outdoor measured                    | - | 12600 m <sup>3</sup> /h |
| AS          | For water/brine-to air heat pumps: Rated brined or water flow rate, outdoor side heat exchanger | - | N/A m <sup>3</sup> /h   |

|    |                 |                                                                                                                                                                                                                          |  |
|----|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| AV | Contact details | Samsung, PO Box 12987, Blackrock, Co. Dublin. IE or Euro QA Lab. Saxony Way, Yateley, Hampshire GU46 6GG, UK<br>Samsung Türkiye Merkez Ofis, Flatofis İstanbul İş Merkezi Otakçılar Caddesi No: 78 Kat 3 No: B3 İstanbul |  |
|----|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|

AW \*\*= If Cd is not determined by measurement then the default degradation coefficient shall be 0,25.

AX \*\*\* From 26 September 2018.

AY Where information relates to multi-split, the test result and performance data may be obtained on the basis of the performance of the out-door unit, with a combination of indoor unit(s) recommended by manufacturer or importer.

AZ For multi-split heat pumps/air conditioners, a list of appropriate indoor units: AMXXXXNxDXX, AMXXXXNXPXX, AMXXXXNFXFX

BA If you are a professional looking for information on non-destructive disassembly, dismantling and battery removability, please send an email to: erims.sec@samsung.com.

# COMMISSION REGULATION (EU) No 2016/2281 <sup>I)</sup>

## ECODESIGN REQUIREMENTS FOR heat pumps/air conditioners <sup>II)</sup>

| Information requirements <sup>III)</sup> |                                                                                                                                                     |  |  |  |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| A                                        | Information to identify the model(s) to which the information relates : AM160AXVAGH                                                                 |  |  |  |
| B                                        | Outdoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                      |  |  |  |
| C                                        | Indoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                       |  |  |  |
| D                                        | Indication if the heater is equipped with a supplementary heater: No                                                                                |  |  |  |
| E                                        | Type: [compressor driven vapour compression or sorption process] Compressor driven vapour compression                                               |  |  |  |
| F                                        | If applicable: driver of compressor: [electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine] Electric motor |  |  |  |
| G                                        | Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.                     |  |  |  |

  

| Item <sup>(H)</sup> | Symbol <sup>(I)</sup>                                                                                           | Value <sup>(J)</sup> | Unit <sup>(K)</sup> |
|---------------------|-----------------------------------------------------------------------------------------------------------------|----------------------|---------------------|
| L                   | Rated cooling capacity                                                                                          | $P_{rated,c}^{(M)}$  | 45,0 kW             |
| O                   | Declared cooling capacity for part load at given outdoor temperatures $T_j$ and indoor 27°C/19°C (dry/wet bulb) |                      |                     |
| -                   | $T_j = 35\text{ °C}$                                                                                            | $P_{dc}$             | 45,0 kW             |
|                     | $T_j = 30\text{ °C}$                                                                                            | $P_{dc}$             | 33,3 kW             |
|                     | $T_j = 25\text{ °C}$                                                                                            | $P_{dc}$             | 21,2 kW             |
|                     | $T_j = 20\text{ °C}$                                                                                            | $P_{dc}$             | 9,5 kW              |
| Q                   | Degradation co-efficient for air conditioners(**)                                                               | $C_{dc}$             | 0,25 -              |
| AC                  | Power consumption in modes other than 'active mode'                                                             |                      |                     |
| AE                  | Off mode                                                                                                        | $P_{OFF}$            | 0,030 kW            |
| AG                  | Thermostat-off mode                                                                                             | $P_{TO}$             | 0,000 kW            |

  

| Item <sup>(H)</sup> | Symbol <sup>(I)</sup>                                                              | Value <sup>(J)</sup> | Unit <sup>(K)</sup> |
|---------------------|------------------------------------------------------------------------------------|----------------------|---------------------|
| N                   | Seasonal space cooling energy efficiency                                           | $\eta_{s,c}$         | 257,0 %             |
| P                   | Declared energy efficiency ratio for part load at given outdoor temperatures $T_j$ |                      |                     |
| -                   | $T_j = 35\text{ °C}$                                                               | $EER_d$              | 2,4 -               |
|                     | $T_j = 30\text{ °C}$                                                               | $EER_d$              | 4,1 -               |
|                     | $T_j = 25\text{ °C}$                                                               | $EER_d$              | 7,4 -               |
|                     | $T_j = 20\text{ °C}$                                                               | $EER_d$              | 18,5 -              |
| AC                  | Power consumption in modes other than 'active mode'                                |                      |                     |
| AI                  | Crankcase heater mode                                                              | $P_{ck}$             | 0,000 kW            |
| AJ                  | Standby mode                                                                       | $P_{SB}$             | 0,030 kW            |

  

| Item <sup>(H)</sup> | Symbol <sup>(I)</sup>                                                                             | Value <sup>(J)</sup> | Unit <sup>(K)</sup> |
|---------------------|---------------------------------------------------------------------------------------------------|----------------------|---------------------|
| R                   | Rated heating capacity                                                                            | $P_{rated,h}$        | 45,0 kW             |
| T                   | Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature $T_j$ |                      |                     |
| -                   | $T_j = -7\text{ °C}$                                                                              | $P_{dh}$             | 21,1 kW             |
|                     | $T_j = 2\text{ °C}$                                                                               | $P_{dh}$             | 13,0 kW             |
|                     | $T_j = 7\text{ °C}$                                                                               | $P_{dh}$             | 8,4 kW              |
|                     | $T_j = 12\text{ °C}$                                                                              | $P_{dh}$             | 3,6 kW              |
| V                   | $T_{biv}$ = bivalent temperature                                                                  | $P_{dh}$             | 24,0 kW             |
| W                   | $T_{OL}$ = operating limit                                                                        | $P_{dh}$             | 27,0 kW             |
| X                   | For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$ )                 | $P_{dh}$             | N/A kW              |
| Z                   | Bivalent temperature                                                                              | $T_{biv}$            | -10 °C              |
| AB                  | Degradation co-efficient heat pumps(**)                                                           | $C_{dh}$             | 0,25 -              |
| AC                  | Power consumption in modes other than 'active mode'                                               |                      |                     |
| AE                  | Off mode                                                                                          | $P_{OFF}$            | 0,030 kW            |
| AG                  | Thermostat-off mode                                                                               | $P_{TO}$             | 0,030 kW            |
| AI                  | Crankcase heater mode                                                                             | $P_{CK}$             | 0,062 kW            |

  

| Item <sup>(H)</sup> | Symbol <sup>(I)</sup>                                                                                            | Value <sup>(J)</sup> | Unit <sup>(K)</sup> |
|---------------------|------------------------------------------------------------------------------------------------------------------|----------------------|---------------------|
| S                   | Seasonal space heating energy efficiency                                                                         | $\eta_{s,h}$         | 169,0 %             |
| U                   | Declared coefficient of performance* / Average season, at indoor temperature 20 °C and outdoor temperature $T_j$ |                      |                     |
| -                   | $T_j = -7\text{ °C}$                                                                                             | $COP_d$              | 2,6 -               |
|                     | $T_j = 2\text{ °C}$                                                                                              | $COP_d$              | 4,1 -               |
|                     | $T_j = 7\text{ °C}$                                                                                              | $COP_d$              | 6,3 -               |
|                     | $T_j = 12\text{ °C}$                                                                                             | $COP_d$              | 6,8 -               |
| V                   | $T_j$ = bivalent temperature                                                                                     | $COP_d$              | 2,2 -               |
| W                   | $T_j$ = operating limit                                                                                          | $COP_d$              | 2,1 -               |
| Y                   | For water-to-air heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$ )                                | $COP_d$              | N/A -               |
| AA                  | For water-to-air heat pumps: Operation limit temperature                                                         | $T_{ol}$             | N/A °C              |
| AD                  | Supplementary heater                                                                                             |                      |                     |
| AF                  | Back-up heating capacity                                                                                         | $el_{bu}$            | N/A kW              |
| AH                  | Type of energy input                                                                                             |                      |                     |
| AJ                  | Standby mode                                                                                                     | $P_{SB}$             | 0,030 kW            |

  

| Item <sup>(H)</sup> | Symbol <sup>(I)</sup>                          | Value <sup>(J)</sup>     | Unit <sup>(K)</sup>                                     |
|---------------------|------------------------------------------------|--------------------------|---------------------------------------------------------|
| AK                  | Other items                                    |                          |                                                         |
| AL                  | Capacity control                               | variable <sup>(AM)</sup> |                                                         |
| AO                  | Sound power level for cooling (indoor/outdoor) | $L_{WA}$                 | - / 81,0 dB                                             |
| AP                  | Sound power level for heating (indoor/outdoor) | $L_{WA}$                 | - / 83,0 dB                                             |
| AQ                  | Emissions of nitrogen oxides (if applicable)   | Nox (***)                | N/A mg/kWh fuel input GCV <sup>(AR)</sup>               |
| AT                  | GWP of the refrigerant                         |                          | 2087,5 kgCO <sub>2</sub> eq (100 years) <sup>(AU)</sup> |

  

| Item <sup>(H)</sup> | Symbol <sup>(I)</sup>                                                                           | Value <sup>(J)</sup> | Unit <sup>(K)</sup>     |
|---------------------|-------------------------------------------------------------------------------------------------|----------------------|-------------------------|
| AK                  | Other items                                                                                     |                      |                         |
| AN                  | For air-to-air heat pumps/air conditioners : air flow rate, outdoor measured                    | -                    | 18180 m <sup>3</sup> /h |
| AS                  | For water/brine-to air heat pumps: Rated brined or water flow rate, outdoor side heat exchanger | -                    | N/A m <sup>3</sup> /h   |

  

|    |                 |                                                                                                                                                                                                                          |  |  |
|----|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| AV | Contact details | Samsung, PO Box 12987, Blackrock, Co. Dublin. IE or Euro QA Lab. Saxony Way, Yateley, Hampshire GU46 6GG, UK<br>Samsung Türkiye Merkez Ofis, Flatofis İstanbul İş Merkezi Otakçılar Caddesi No: 78 Kat 3 No: B3 İstanbul |  |  |
|----|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|

  

|    |                                                                                                                                                                                                                                    |  |  |  |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| AW | **= If Cd is not determined by measurement then the default degradation coefficient shall be 0,25.                                                                                                                                 |  |  |  |
| AX | *** From 26 September 2018.                                                                                                                                                                                                        |  |  |  |
| AY | Where information relates to multi-split, the test result and performance data may be obtained on the basis of the performance of the out-door unit, with a combination of indoor unit(s) recommended by manufacturer or importer. |  |  |  |
| AZ | For multi-split heat pumps/air conditioners, a list of appropriate indoor units: AM*****D**, AM*****P**, AM*****F**                                                                                                                |  |  |  |
| BA | If you are a professional looking for information on non-destructive disassembly, dismantling and battery removability, please send an email to: erims.sec@samsung.com.                                                            |  |  |  |

# COMMISSION REGULATION (EU) No 2016/2281 <sup>1)</sup>

## ECODESIGN REQUIREMENTS FOR heat pumps/air conditioners <sup>1)</sup>

### Information requirements <sup>1))</sup>

|   |                                                                                                                                                     |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| A | Information to identify the model(s) to which the information relates : AM180AXVAGH                                                                 |
| B | Outdoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                      |
| C | Indoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                       |
| D | Indication if the heater is equipped with a supplementary heater: No                                                                                |
| E | Type: [compressor driven vapour compression or sorption process] Compressor driven vapour compression                                               |
| F | If applicable: driver of compressor: [electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine] Electric motor |
| G | Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.                     |

| Item <sup>(1))</sup>                                | Symbol <sup>(1)</sup>                                                                                                    | Value <sup>(2)</sup>                | Unit <sup>(3)</sup> |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------|
| L                                                   | Rated cooling capacity                                                                                                   | P <sub>rated,c</sub> <sup>(M)</sup> | 50,4 kW             |
| O                                                   | Declared cooling capacity for part load at given outdoor temperatures T <sub>j</sub> and indoor 27°C/19°C (dry/wet bulb) |                                     |                     |
| -                                                   | T <sub>j</sub> = 35 °C                                                                                                   | P <sub>dc</sub>                     | 50,4 kW             |
|                                                     | T <sub>j</sub> = 30 °C                                                                                                   | P <sub>dc</sub>                     | 37,3 kW             |
|                                                     | T <sub>j</sub> = 25 °C                                                                                                   | P <sub>dc</sub>                     | 23,7 kW             |
|                                                     | T <sub>j</sub> = 20 °C                                                                                                   | P <sub>dc</sub>                     | 10,6 kW             |
| Q                                                   | Degradation co-efficient for air conditioners(**)                                                                        | C <sub>dc</sub>                     | 0,25 -              |
| Power consumption in modes other than 'active mode' |                                                                                                                          |                                     |                     |
| AE                                                  | Off mode                                                                                                                 | P <sub>OFF</sub>                    | 0,030 kW            |
| AG                                                  | Thermostat-off mode                                                                                                      | P <sub>TO</sub>                     | 0,000 kW            |

| Item <sup>(1))</sup> | Symbol <sup>(1)</sup>                                                                                      | Value <sup>(2)</sup> | Unit <sup>(3)</sup> |
|----------------------|------------------------------------------------------------------------------------------------------------|----------------------|---------------------|
| R                    | Rated heating capacity                                                                                     | P <sub>rated,h</sub> | 50,4 kW             |
| T                    | Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                      |                     |
| -                    | T <sub>j</sub> = - 7 °C                                                                                    | P <sub>dh</sub>      | 23,3 kW             |
|                      | T <sub>j</sub> = 2 °C                                                                                      | P <sub>dh</sub>      | 14,3 kW             |
|                      | T <sub>j</sub> = 7 °C                                                                                      | P <sub>dh</sub>      | 9,3 kW              |
|                      | T <sub>j</sub> = 12 °C                                                                                     | P <sub>dh</sub>      | 4,0 kW              |
| V                    | T <sub>biv</sub> = bivalent temperature                                                                    | P <sub>dh</sub>      | 26,5 kW             |
| W                    | T <sub>OL</sub> = operating limit                                                                          | P <sub>dh</sub>      | 30,2 kW             |
| X                    | For air-to-water heat pumps: T <sub>j</sub> = -15°C (if T <sub>OL</sub> < -20°C)                           | P <sub>dh</sub>      | N/A kW              |
| Z                    | Bivalent temperature                                                                                       | T <sub>biv</sub>     | -10 °C              |
| AB                   | Degradation co-efficient heat pumps(**)                                                                    | C <sub>dh</sub>      | 0,25 -              |

|    |                                                     |                  |          |
|----|-----------------------------------------------------|------------------|----------|
| AC | Power consumption in modes other than 'active mode' |                  |          |
| AE | Off mode                                            | P <sub>OFF</sub> | 0,030 kW |
| AG | Thermostat-off mode                                 | P <sub>TO</sub>  | 0,030 kW |
| AI | Crankcase heater mode                               | P <sub>CK</sub>  | 0,062 kW |

|    |                                                |                          |                                                         |
|----|------------------------------------------------|--------------------------|---------------------------------------------------------|
| AK | Other items                                    |                          |                                                         |
| AL | Capacity control                               | variable <sup>(AM)</sup> |                                                         |
| AO | Sound power level for cooling (indoor/outdoor) | L <sub>WA</sub>          | - / 83,0 dB                                             |
| AP | Sound power level for heating(indoor/outdoor)  | L <sub>WA</sub>          | - / 86,0 dB                                             |
| AQ | Emissions of nitrogen oxides (if applicable)   | Nox (***)                | N/A mg/kWh fuel input GCV <sup>(AR)</sup>               |
| AT | GWP of the refrigerant                         |                          | 2087,5 kgCO <sub>2</sub> eq (100 years) <sup>(AU)</sup> |

| Item <sup>(1))</sup> | Symbol <sup>(1)</sup>                                                                       | Value <sup>(2)</sup> | Unit <sup>(3)</sup> |
|----------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|
| N                    | Seasonal space cooling energy efficiency                                                    | η <sub>sc</sub>      | 241,0 %             |
| P                    | Declared energy efficiency ratio for part load at given outdoor temperatures T <sub>j</sub> |                      |                     |
| -                    | T <sub>j</sub> = 35 °C                                                                      | EER <sub>d</sub>     | 2,3 -               |
|                      | T <sub>j</sub> = 30 °C                                                                      | EER <sub>d</sub>     | 3,8 -               |
|                      | T <sub>j</sub> = 25 °C                                                                      | EER <sub>d</sub>     | 6,8 -               |
|                      | T <sub>j</sub> = 20 °C                                                                      | EER <sub>d</sub>     | 18,3 -              |

|    |                                                     |                 |          |
|----|-----------------------------------------------------|-----------------|----------|
| AC | Power consumption in modes other than 'active mode' |                 |          |
| AI | Crankcase heater mode                               | P <sub>ck</sub> | 0,000 kW |
| AJ | Standby mode                                        | P <sub>SB</sub> | 0,030 kW |

| Item <sup>(1))</sup> | Symbol <sup>(1)</sup>                                                                                                     | Value <sup>(2)</sup> | Unit <sup>(3)</sup> |
|----------------------|---------------------------------------------------------------------------------------------------------------------------|----------------------|---------------------|
| S                    | Seasonal space heating energy efficiency                                                                                  | η <sub>sh</sub>      | 165,0 %             |
| U                    | Declared coefficient of performance* / Average season, at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                      |                     |
| -                    | T <sub>j</sub> = - 7 °C                                                                                                   | COP <sub>d</sub>     | 2,6 -               |
|                      | T <sub>j</sub> = 2 °C                                                                                                     | COP <sub>d</sub>     | 3,9 -               |
|                      | T <sub>j</sub> = 7 °C                                                                                                     | COP <sub>d</sub>     | 6,3 -               |
|                      | T <sub>j</sub> = 12 °C                                                                                                    | COP <sub>d</sub>     | 6,8 -               |
| V                    | T <sub>j</sub> = bivalent temperature                                                                                     | COP <sub>d</sub>     | 2,2 -               |
| W                    | T <sub>j</sub> = operating limit                                                                                          | COP <sub>d</sub>     | 2,1 -               |
| Y                    | For water-to-air heat pumps: T <sub>j</sub> = -15°C (if T <sub>OL</sub> < -20°C)                                          | COP <sub>d</sub>     | N/A -               |
| AA                   | For water-to-air heat pumps: Operation limit temperature                                                                  | T <sub>ol</sub>      | N/A °C              |

|    |                          |                 |          |
|----|--------------------------|-----------------|----------|
| AD | Supplementary heater     |                 |          |
| AF | Back-up heating capacity | elbu            | N/A kW   |
| AH | Type of energy input     |                 |          |
| AJ | Standby mode             | P <sub>SB</sub> | 0,030 kW |

|    |                                                                                                 |   |                         |
|----|-------------------------------------------------------------------------------------------------|---|-------------------------|
| AK | Other items                                                                                     |   |                         |
| AN | For air-to-air heat pumps/air conditioners : air flow rate, outdoor measured                    | - | 19440 m <sup>3</sup> /h |
| AS | For water/brine-to air heat pumps: Rated brined or water flow rate, outdoor side heat exchanger | - | N/A m <sup>3</sup> /h   |

|    |                 |                                                                                                                                                                                                                          |  |
|----|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| AV | Contact details | Samsung, PO Box 12987, Blackrock, Co. Dublin. IE or Euro QA Lab. Saxony Way, Yateley, Hampshire GU46 6GG, UK<br>Samsung Türkiye Merkez Ofis, Flatofis İstanbul İş Merkezi Otakçılar Caddesi No: 78 Kat 3 No: B3 İstanbul |  |
|----|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|

AW \*\*= If Cd is not determined by measurement then the default degradation coefficient shall be 0,25.

AX \*\*\* From 26 September 2018.

AY Where information relates to multi-split, the test result and performance data may be obtained on the basis of the performance of the out-door unit, with a combination of indoor unit(s) recommended by manufacturer or importer.

AZ For multi-split heat pumps/air conditioners, a list of appropriate indoor units: AMXXXXNxDXX, AMXXXXNXPXX, AMXXXXNFXFX

BA If you are a professional looking for information on non-destructive disassembly, dismantling and battery removability, please send an email to: erims.sec@samsung.com.

# COMMISSION REGULATION (EU) No 2016/2281<sup>1)</sup>

## ECODESIGN REQUIREMENTS FOR heat pumps/air conditioners<sup>1)</sup>

| Information requirements <sup>III)</sup> |                                                                                                                                                     |                                     |                      |                     |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------|---------------------|
| A                                        | Information to identify the model(s) to which the information relates : AM200AXVAGH                                                                 |                                     |                      |                     |
| B                                        | Outdoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                      |                                     |                      |                     |
| C                                        | Indoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                       |                                     |                      |                     |
| D                                        | Indication if the heater is equipped with a supplementary heater: No                                                                                |                                     |                      |                     |
| E                                        | Type: [compressor driven vapour compression or sorption process] Compressor driven vapour compression                                               |                                     |                      |                     |
| F                                        | If applicable: driver of compressor: [electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine] Electric motor |                                     |                      |                     |
| G                                        | Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.                     |                                     |                      |                     |
|                                          | Item <sup>(1)</sup>                                                                                                                                 | Symbol <sup>(1)</sup>               | Value <sup>(2)</sup> | Unit <sup>(3)</sup> |
| L                                        | Rated cooling capacity                                                                                                                              | P <sub>rated,c</sub> <sup>(M)</sup> | 56,0                 | kW                  |
| O                                        | Declared cooling capacity for part load at given outdoor temperatures T <sub>j</sub> and indoor 27°C/19°C (dry/wet bulb)                            |                                     |                      |                     |
| -                                        | T <sub>j</sub> = 35 °C                                                                                                                              | P <sub>dc</sub>                     | 56,0                 | kW                  |
|                                          | T <sub>j</sub> = 30 °C                                                                                                                              | P <sub>dc</sub>                     | 41,4                 | kW                  |
|                                          | T <sub>j</sub> = 25 °C                                                                                                                              | P <sub>dc</sub>                     | 26,3                 | kW                  |
|                                          | T <sub>j</sub> = 20 °C                                                                                                                              | P <sub>dc</sub>                     | 11,8                 | kW                  |
| Q                                        | Degradation co-efficient for air conditioners(**)                                                                                                   | C <sub>dc</sub>                     | 0,25                 | -                   |
| AC                                       | Power consumption in modes other than 'active mode'                                                                                                 |                                     |                      |                     |
| AE                                       | Off mode                                                                                                                                            | P <sub>OFF</sub>                    | 0,031                | kW                  |
| AG                                       | Thermostat-off mode                                                                                                                                 | P <sub>TO</sub>                     | 0,000                | kW                  |

|    | Item <sup>(1)</sup>                                                                         | Symbol <sup>(1)</sup> | Value <sup>(2)</sup> | Unit <sup>(3)</sup> |
|----|---------------------------------------------------------------------------------------------|-----------------------|----------------------|---------------------|
| N  | Seasonal space cooling energy efficiency                                                    | η <sub>s,c</sub>      | 245,0                | %                   |
| P  | Declared energy efficiency ratio for part load at given outdoor temperatures T <sub>j</sub> |                       |                      |                     |
| -  | T <sub>j</sub> = 35 °C                                                                      | EER <sub>d</sub>      | 2,2                  | -                   |
|    | T <sub>j</sub> = 30 °C                                                                      | EER <sub>d</sub>      | 4,0                  | -                   |
|    | T <sub>j</sub> = 25 °C                                                                      | EER <sub>d</sub>      | 6,9                  | -                   |
|    | T <sub>j</sub> = 20 °C                                                                      | EER <sub>d</sub>      | 18,3                 | -                   |
| AC | Power consumption in modes other than 'active mode'                                         |                       |                      |                     |
| AI | Crankcase heater mode                                                                       | P <sub>ck</sub>       | 0,000                | kW                  |
| AJ | Standby mode                                                                                | P <sub>sB</sub>       | 0,031                | kW                  |

|    | Item <sup>(1)</sup>                                                                                        | Symbol <sup>(1)</sup> | Value <sup>(2)</sup> | Unit <sup>(3)</sup> |
|----|------------------------------------------------------------------------------------------------------------|-----------------------|----------------------|---------------------|
| R  | Rated heating capacity                                                                                     | P <sub>rated,h</sub>  | 56,0                 | kW                  |
| T  | Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                       |                      |                     |
| -  | T <sub>j</sub> = - 7 °C                                                                                    | P <sub>dh</sub>       | 25,6                 | kW                  |
|    | T <sub>j</sub> = 2 °C                                                                                      | P <sub>dh</sub>       | 15,7                 | kW                  |
|    | T <sub>j</sub> = 7 °C                                                                                      | P <sub>dh</sub>       | 10,2                 | kW                  |
|    | T <sub>j</sub> = 12 °C                                                                                     | P <sub>dh</sub>       | 4,4                  | kW                  |
| V  | T <sub>biv</sub> = bivalent temperature                                                                    | P <sub>dh</sub>       | 29,1                 | kW                  |
| W  | T <sub>OL</sub> = operating limit                                                                          | P <sub>dh</sub>       | 33,6                 | kW                  |
| X  | For air-to-water heat pumps: T <sub>j</sub> = -15°C (if T <sub>OL</sub> <-20°C)                            | P <sub>dh</sub>       | N/A                  | kW                  |
| Z  | Bivalent temperature                                                                                       | T <sub>biv</sub>      | -10                  | °C                  |
| AB | Degradation co-efficient heat pumps(**)                                                                    | C <sub>dh</sub>       | 0,25                 | -                   |

|    |                                                     |                  |       |    |
|----|-----------------------------------------------------|------------------|-------|----|
| AC | Power consumption in modes other than 'active mode' |                  |       |    |
| AE | Off mode                                            | P <sub>OFF</sub> | 0,031 | kW |
| AG | Thermostat-off mode                                 | P <sub>TO</sub>  | 0,031 | kW |
| AI | Crankcase heater mode                               | P <sub>CK</sub>  | 0,062 | kW |

|    | Item <sup>(1)</sup>                                                                                                       | Symbol <sup>(1)</sup> | Value <sup>(2)</sup> | Unit <sup>(3)</sup> |
|----|---------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------|---------------------|
| S  | Seasonal space heating energy efficiency                                                                                  | η <sub>s,h</sub>      | 161,0                | %                   |
| U  | Declared coefficient of performance* / Average season, at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                       |                      |                     |
| -  | T <sub>j</sub> = -7 °C                                                                                                    | COP <sub>d</sub>      | 2,5                  | -                   |
|    | T <sub>j</sub> = 2 °C                                                                                                     | COP <sub>d</sub>      | 3,8                  | -                   |
|    | T <sub>j</sub> = 7 °C                                                                                                     | COP <sub>d</sub>      | 6,2                  | -                   |
|    | T <sub>j</sub> = 12 °C                                                                                                    | COP <sub>d</sub>      | 6,7                  | -                   |
| V  | T <sub>j</sub> = bivalent temperature                                                                                     | COP <sub>d</sub>      | 2,1                  | -                   |
| W  | T <sub>j</sub> = operating limit                                                                                          | COP <sub>d</sub>      | 2,0                  | -                   |
| Y  | For water-to-air heat pumps: T <sub>j</sub> = -15°C (if T <sub>OL</sub> <-20°C)                                           | COP <sub>d</sub>      | N/A                  | -                   |
| AA | For water-to-air heat pumps: Operation limit temperature                                                                  | T <sub>ol</sub>       | N/A                  | °C                  |

|    |                          |                  |       |    |
|----|--------------------------|------------------|-------|----|
| AD | Supplementary heater     |                  |       |    |
| AF | Back-up heating capacity | el <sub>bu</sub> | N/A   | kW |
| AH | Type of energy input     |                  |       |    |
| AJ | Standby mode             | P <sub>sB</sub>  | 0,031 | kW |

|    | Other items                                    |                          |          |                                                  |
|----|------------------------------------------------|--------------------------|----------|--------------------------------------------------|
| AL | Capacity control                               | variable <sup>(AM)</sup> |          |                                                  |
| AO | Sound power level for cooling (indoor/outdoor) | L <sub>WA</sub>          | - / 84,0 | dB                                               |
| AP | Sound power level for heating(indoor/outdoor)  | L <sub>WA</sub>          | - / 85,0 | dB                                               |
| AQ | Emissions of nitrogen oxides (if applicable)   | Nox (***)                | N/A      | mg/kWh fuel input GCV <sup>(AR)</sup>            |
| AT | GWP of the refrigerant                         |                          | 2087,5   | kgCO <sub>2</sub> eq (100 years) <sup>(AU)</sup> |

|    | Other items                                                                                     |   |       |      |
|----|-------------------------------------------------------------------------------------------------|---|-------|------|
| AN | For air-to-air heat pumps/air conditioners : air flow rate, outdoor measured                    | - | 18780 | m³/h |
| AS | For water/brine-to air heat pumps: Rated brined or water flow rate, outdoor side heat exchanger | - | N/A   | m³/h |

|    |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                          |  |  |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| AV | Contact details                                                                                                                                                                                                                    | Samsung, PO Box 12987, Blackrock, Co. Dublin. IE or Euro QA Lab. Saxony Way, Yateley, Hampshire GU46 6GG, UK<br>Samsung Türkiye Merkez Ofis, Flatofis İstanbul İş Merkezi Otakçılar Caddesi No: 78 Kat 3 No: B3 İstanbul |  |  |
| AW | **= If Cd is not determined by measurement then the default degradation coefficient shall be 0,25.                                                                                                                                 |                                                                                                                                                                                                                          |  |  |
| AX | *** From 26 September 2018.                                                                                                                                                                                                        |                                                                                                                                                                                                                          |  |  |
| AY | Where information relates to multi-split, the test result and performance data may be obtained on the basis of the performance of the out-door unit, with a combination of indoor unit(s) recommended by manufacturer or importer. |                                                                                                                                                                                                                          |  |  |
| AZ | For multi-split heat pumps/air conditioners, a list of appropriate indoor units: AM*****D**, AM*****P**, AM*****F**                                                                                                                |                                                                                                                                                                                                                          |  |  |
| BA | If you are a professional looking for information on non-destructive disassembly, dismantling and battery removability, please send an email to: erims.sec@samsung.com.                                                            |                                                                                                                                                                                                                          |  |  |

# COMMISSION REGULATION (EU) No 2016/2281 <sup>1)</sup>

## ECODESIGN REQUIREMENTS FOR heat pumps/air conditioners <sup>1)</sup>

### Information requirements <sup>1))</sup>

|   |                                                                                                                                                     |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| A | Information to identify the model(s) to which the information relates : AM220AXVAGH                                                                 |
| B | Outdoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                      |
| C | Indoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                       |
| D | Indication if the heater is equipped with a supplementary heater: No                                                                                |
| E | Type: [compressor driven vapour compression or sorption process] Compressor driven vapour compression                                               |
| F | If applicable: driver of compressor: [electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine] Electric motor |
| G | Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.                     |

| Item <sup>(1))</sup>                                | Symbol <sup>(1)</sup>                                                                                                    | Value <sup>(1)</sup>                | Unit <sup>(1)</sup> |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------|
| L                                                   | Rated cooling capacity                                                                                                   | P <sub>rated,c</sub> <sup>(M)</sup> | 61,6 kW             |
| O                                                   | Declared cooling capacity for part load at given outdoor temperatures T <sub>j</sub> and indoor 27°C/19°C (dry/wet bulb) |                                     |                     |
| -                                                   | T <sub>j</sub> = 35 °C                                                                                                   | P <sub>dc</sub>                     | 61,6 kW             |
|                                                     | T <sub>j</sub> = 30 °C                                                                                                   | P <sub>dc</sub>                     | 45,6 kW             |
|                                                     | T <sub>j</sub> = 25 °C                                                                                                   | P <sub>dc</sub>                     | 29,0 kW             |
|                                                     | T <sub>j</sub> = 20 °C                                                                                                   | P <sub>dc</sub>                     | 12,9 kW             |
| Q                                                   | Degradation co-efficient for air conditioners(**)                                                                        | C <sub>dc</sub>                     | 0,25 -              |
| Power consumption in modes other than 'active mode' |                                                                                                                          |                                     |                     |
| AE                                                  | Off mode                                                                                                                 | P <sub>OFF</sub>                    | 0,040 kW            |
| AG                                                  | Thermostat-off mode                                                                                                      | P <sub>TO</sub>                     | 0,000 kW            |

| Item <sup>(1))</sup> | Symbol <sup>(1)</sup>                                                                                      | Value <sup>(1)</sup> | Unit <sup>(1)</sup> |
|----------------------|------------------------------------------------------------------------------------------------------------|----------------------|---------------------|
| R                    | Rated heating capacity                                                                                     | P <sub>rated,h</sub> | 61,6 kW             |
| T                    | Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                      |                     |
| -                    | T <sub>j</sub> = - 7 °C                                                                                    | P <sub>dh</sub>      | 26,5 kW             |
|                      | T <sub>j</sub> = 2 °C                                                                                      | P <sub>dh</sub>      | 16,3 kW             |
|                      | T <sub>j</sub> = 7 °C                                                                                      | P <sub>dh</sub>      | 10,5 kW             |
|                      | T <sub>j</sub> = 12 °C                                                                                     | P <sub>dh</sub>      | 4,5 kW              |
| V                    | T <sub>biv</sub> = bivalent temperature                                                                    | P <sub>dh</sub>      | 30,1 kW             |
| W                    | T <sub>OL</sub> = operating limit                                                                          | P <sub>dh</sub>      | 37,0 kW             |
| X                    | For air-to-water heat pumps: T <sub>j</sub> = -15°C (if T <sub>OL</sub> < -20°C)                           | P <sub>dh</sub>      | N/A kW              |
| Z                    | Bivalent temperature                                                                                       | T <sub>biv</sub>     | -10 °C              |
| AB                   | Degradation co-efficient heat pumps(**)                                                                    | C <sub>dh</sub>      | 0,25 -              |

|    |                                                     |                  |          |
|----|-----------------------------------------------------|------------------|----------|
| AC | Power consumption in modes other than 'active mode' |                  |          |
| AE | Off mode                                            | P <sub>OFF</sub> | 0,040 kW |
| AG | Thermostat-off mode                                 | P <sub>TO</sub>  | 0,040 kW |
| AI | Crankcase heater mode                               | P <sub>CK</sub>  | 0,124 kW |

|    |                                                |                          |                                                         |
|----|------------------------------------------------|--------------------------|---------------------------------------------------------|
| AK | Other items                                    |                          |                                                         |
| AL | Capacity control                               | variable <sup>(AM)</sup> |                                                         |
| AO | Sound power level for cooling (indoor/outdoor) | L <sub>WA</sub>          | - / 86,0 dB                                             |
| AP | Sound power level for heating(indoor/outdoor)  | L <sub>WA</sub>          | - / 87,0 dB                                             |
| AQ | Emissions of nitrogen oxides (if applicable)   | Nox (***)                | N/A mg/kWh fuel input GCV <sup>(AR)</sup>               |
| AT | GWP of the refrigerant                         |                          | 2087,5 kgCO <sub>2</sub> eq (100 years) <sup>(AU)</sup> |

| Item <sup>(1))</sup> | Symbol <sup>(1)</sup>                                                                       | Value <sup>(1)</sup> | Unit <sup>(1)</sup> |
|----------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|
| N                    | Seasonal space cooling energy efficiency                                                    | η <sub>sc</sub>      | 233,0 %             |
| P                    | Declared energy efficiency ratio for part load at given outdoor temperatures T <sub>j</sub> |                      |                     |
| -                    | T <sub>j</sub> = 35 °C                                                                      | EER <sub>d</sub>     | 2,1 -               |
|                      | T <sub>j</sub> = 30 °C                                                                      | EER <sub>d</sub>     | 3,8 -               |
|                      | T <sub>j</sub> = 25 °C                                                                      | EER <sub>d</sub>     | 6,5 -               |
|                      | T <sub>j</sub> = 20 °C                                                                      | EER <sub>d</sub>     | 18,0 -              |

|    |                                                     |                 |          |
|----|-----------------------------------------------------|-----------------|----------|
| AC | Power consumption in modes other than 'active mode' |                 |          |
| AI | Crankcase heater mode                               | P <sub>ck</sub> | 0,000 kW |
| AJ | Standby mode                                        | P <sub>SB</sub> | 0,040 kW |

| Item <sup>(1))</sup> | Symbol <sup>(1)</sup>                                                                                                     | Value <sup>(1)</sup> | Unit <sup>(1)</sup> |
|----------------------|---------------------------------------------------------------------------------------------------------------------------|----------------------|---------------------|
| S                    | Seasonal space heating energy efficiency                                                                                  | η <sub>sh</sub>      | 161,0 %             |
| U                    | Declared coefficient of performance* / Average season, at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                      |                     |
| -                    | T <sub>j</sub> = - 7 °C                                                                                                   | COP <sub>d</sub>     | 2,4 -               |
|                      | T <sub>j</sub> = 2 °C                                                                                                     | COP <sub>d</sub>     | 3,8 -               |
|                      | T <sub>j</sub> = 7 °C                                                                                                     | COP <sub>d</sub>     | 6,5 -               |
|                      | T <sub>j</sub> = 12 °C                                                                                                    | COP <sub>d</sub>     | 7,0 -               |
| V                    | T <sub>j</sub> = bivalent temperature                                                                                     | COP <sub>d</sub>     | 2,0 -               |
| W                    | T <sub>j</sub> = operating limit                                                                                          | COP <sub>d</sub>     | 2,0 -               |
| Y                    | For water-to-air heat pumps: T <sub>j</sub> = -15°C (if T <sub>OL</sub> < -20°C)                                          | COP <sub>d</sub>     | N/A -               |
| AA                   | For water-to-air heat pumps: Operation limit temperature                                                                  | T <sub>ol</sub>      | N/A °C              |

|    |                          |                 |          |
|----|--------------------------|-----------------|----------|
| AD | Supplementary heater     |                 |          |
| AF | Back-up heating capacity | elbu            | N/A kW   |
| AH | Type of energy input     |                 |          |
| AJ | Standby mode             | P <sub>SB</sub> | 0,040 kW |

|    |                                                                                                 |   |                         |
|----|-------------------------------------------------------------------------------------------------|---|-------------------------|
| AK | Other items                                                                                     |   |                         |
| AN | For air-to-air heat pumps/air conditioners : air flow rate, outdoor measured                    | - | 20520 m <sup>3</sup> /h |
| AS | For water/brine-to air heat pumps: Rated brined or water flow rate, outdoor side heat exchanger | - | N/A m <sup>3</sup> /h   |

|    |                 |                                                                                                                                                                                                                          |  |
|----|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| AV | Contact details | Samsung, PO Box 12987, Blackrock, Co. Dublin. IE or Euro QA Lab. Saxony Way, Yateley, Hampshire GU46 6GG, UK<br>Samsung Türkiye Merkez Ofis, Flatofis İstanbul İş Merkezi Otakçılar Caddesi No: 78 Kat 3 No: B3 İstanbul |  |
|----|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|

AW \*\*= If Cd is not determined by measurement then the default degradation coefficient shall be 0,25.

AX \*\*\* From 26 September 2018.

AY Where information relates to multi-split, the test result and performance data may be obtained on the basis of the performance of the out-door unit, with a combination of indoor unit(s) recommended by manufacturer or importer.

AZ For multi-split heat pumps/air conditioners, a list of appropriate indoor units: AMXXXXNxDXX, AMXXXXNXPXX, AMXXXXNFXFX

BA If you are a professional looking for information on non-destructive disassembly, dismantling and battery removability, please send an email to: erims.sec@samsung.com.

# COMMISSION REGULATION (EU) No 2016/2281 <sup>I)</sup>

## ECODESIGN REQUIREMENTS FOR heat pumps/air conditioners <sup>II)</sup>

| Information requirements <sup>III)</sup> |                                                                                                                                                     |  |  |  |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| A                                        | Information to identify the model(s) to which the information relates : AM240AXVAGH                                                                 |  |  |  |
| B                                        | Outdoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                      |  |  |  |
| C                                        | Indoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                       |  |  |  |
| D                                        | Indication if the heater is equipped with a supplementary heater: No                                                                                |  |  |  |
| E                                        | Type: [compressor driven vapour compression or sorption process] Compressor driven vapour compression                                               |  |  |  |
| F                                        | If applicable: driver of compressor: [electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine] Electric motor |  |  |  |
| G                                        | Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.                     |  |  |  |

|    | Item <sup>(H)</sup>                                                                                                      | Symbol <sup>(I)</sup>               | Value <sup>(J)</sup> | Unit <sup>(K)</sup> |
|----|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------|---------------------|
| L  | Rated cooling capacity                                                                                                   | P <sub>rated,c</sub> <sup>(M)</sup> | 67,2                 | kW                  |
| O  | Declared cooling capacity for part load at given outdoor temperatures T <sub>j</sub> and indoor 27°C/19°C (dry/wet bulb) |                                     |                      |                     |
| -  | T <sub>j</sub> = 35 °C                                                                                                   | P <sub>dc</sub>                     | 67,2                 | kW                  |
|    | T <sub>j</sub> = 30 °C                                                                                                   | P <sub>dc</sub>                     | 49,7                 | kW                  |
|    | T <sub>j</sub> = 25 °C                                                                                                   | P <sub>dc</sub>                     | 31,6                 | kW                  |
|    | T <sub>j</sub> = 20 °C                                                                                                   | P <sub>dc</sub>                     | 14,1                 | kW                  |
| Q  | Degradation co-efficient for air conditioners(**)                                                                        | C <sub>dc</sub>                     | 0,25                 | -                   |
| AC | Power consumption in modes other than 'active mode'                                                                      |                                     |                      |                     |
| AE | Off mode                                                                                                                 | P <sub>OFF</sub>                    | 0,040                | kW                  |
| AG | Thermostat-off mode                                                                                                      | P <sub>TO</sub>                     | 0,000                | kW                  |

|    | Item <sup>(H)</sup>                                                                         | Symbol <sup>(I)</sup> | Value <sup>(J)</sup> | Unit <sup>(K)</sup> |
|----|---------------------------------------------------------------------------------------------|-----------------------|----------------------|---------------------|
| N  | Seasonal space cooling energy efficiency                                                    | η <sub>s,c</sub>      | 221,0                | %                   |
| P  | Declared energy efficiency ratio for part load at given outdoor temperatures T <sub>j</sub> |                       |                      |                     |
| -  | T <sub>j</sub> = 35 °C                                                                      | EER <sub>d</sub>      | 2,0                  | -                   |
|    | T <sub>j</sub> = 30 °C                                                                      | EER <sub>d</sub>      | 3,5                  | -                   |
|    | T <sub>j</sub> = 25 °C                                                                      | EER <sub>d</sub>      | 6,2                  | -                   |
|    | T <sub>j</sub> = 20 °C                                                                      | EER <sub>d</sub>      | 18,0                 | -                   |
| AC | Power consumption in modes other than 'active mode'                                         |                       |                      |                     |
| AI | Crankcase heater mode                                                                       | P <sub>ck</sub>       | 0,000                | kW                  |
| AJ | Standby mode                                                                                | P <sub>sB</sub>       | 0,040                | kW                  |

|    | Item <sup>(H)</sup>                                                                                        | Symbol <sup>(I)</sup> | Value <sup>(J)</sup> | Unit <sup>(K)</sup> |
|----|------------------------------------------------------------------------------------------------------------|-----------------------|----------------------|---------------------|
| R  | Rated heating capacity                                                                                     | P <sub>rated,h</sub>  | 67,2                 | kW                  |
| T  | Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                       |                      |                     |
| -  | T <sub>j</sub> = - 7 °C                                                                                    | P <sub>dh</sub>       | 27,3                 | kW                  |
|    | T <sub>j</sub> = 2 °C                                                                                      | P <sub>dh</sub>       | 16,7                 | kW                  |
|    | T <sub>j</sub> = 7 °C                                                                                      | P <sub>dh</sub>       | 10,9                 | kW                  |
|    | T <sub>j</sub> = 12 °C                                                                                     | P <sub>dh</sub>       | 4,7                  | kW                  |
| V  | T <sub>biv</sub> = bivalent temperature                                                                    | P <sub>dh</sub>       | 31,0                 | kW                  |
| W  | T <sub>OL</sub> = operating limit                                                                          | P <sub>dh</sub>       | 40,3                 | kW                  |
| X  | For air-to-water heat pumps: T <sub>j</sub> = -15°C (if T <sub>OL</sub> <-20°C)                            | P <sub>dh</sub>       | N/A                  | kW                  |
| Z  | Bivalent temperature                                                                                       | T <sub>biv</sub>      | -10                  | °C                  |
| AB | Degradation co-efficient heat pumps(**)                                                                    | C <sub>dh</sub>       | 0,25                 | -                   |
| AC | Power consumption in modes other than 'active mode'                                                        |                       |                      |                     |
| AE | Off mode                                                                                                   | P <sub>OFF</sub>      | 0,040                | kW                  |
| AG | Thermostat-off mode                                                                                        | P <sub>TO</sub>       | 0,040                | kW                  |
| AI | Crankcase heater mode                                                                                      | P <sub>CK</sub>       | 0,124                | kW                  |

|    | Item <sup>(H)</sup>                                                                                                       | Symbol <sup>(I)</sup> | Value <sup>(J)</sup> | Unit <sup>(K)</sup> |
|----|---------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------|---------------------|
| S  | Seasonal space heating energy efficiency                                                                                  | η <sub>s,h</sub>      | 145,0                | %                   |
| U  | Declared coefficient of performance* / Average season, at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                       |                      |                     |
| -  | T <sub>j</sub> = -7 °C                                                                                                    | COP <sub>d</sub>      | 2,3                  | -                   |
|    | T <sub>j</sub> = 2 °C                                                                                                     | COP <sub>d</sub>      | 3,2                  | -                   |
|    | T <sub>j</sub> = 7 °C                                                                                                     | COP <sub>d</sub>      | 6,3                  | -                   |
|    | T <sub>j</sub> = 12 °C                                                                                                    | COP <sub>d</sub>      | 6,8                  | -                   |
| V  | T <sub>j</sub> = bivalent temperature                                                                                     | COP <sub>d</sub>      | 1,9                  | -                   |
| W  | T <sub>j</sub> = operating limit                                                                                          | COP <sub>d</sub>      | 1,7                  | -                   |
| Y  | For water-to-air heat pumps: T <sub>j</sub> = -15°C (if T <sub>OL</sub> <-20°C)                                           | COP <sub>d</sub>      | N/A                  | -                   |
| AA | For water-to-air heat pumps: Operation limit temperature                                                                  | T <sub>ol</sub>       | N/A                  | °C                  |
| AD | Supplementary heater                                                                                                      |                       |                      |                     |
| AF | Back-up heating capacity                                                                                                  | el <sub>bu</sub>      | N/A                  | kW                  |
| AH | Type of energy input                                                                                                      |                       |                      |                     |
| AJ | Standby mode                                                                                                              | P <sub>sB</sub>       | 0,040                | kW                  |

|    | Other items                                    |                          |          |                                                  |
|----|------------------------------------------------|--------------------------|----------|--------------------------------------------------|
| AL | Capacity control                               | variable <sup>(AM)</sup> |          |                                                  |
| AO | Sound power level for cooling (indoor/outdoor) | L <sub>WA</sub>          | - / 87,0 | dB                                               |
| AP | Sound power level for heating(indoor/outdoor)  | L <sub>WA</sub>          | - / 89,0 | dB                                               |
| AQ | Emissions of nitrogen oxides (if applicable)   | Nox (***)                | N/A      | mg/kWh fuel input GCV <sup>(AR)</sup>            |
| AT | GWP of the refrigerant                         |                          | 2087,5   | kgCO <sub>2</sub> eq (100 years) <sup>(AU)</sup> |

|    | Other items                                                                                     |   |       |                   |
|----|-------------------------------------------------------------------------------------------------|---|-------|-------------------|
| AN | For air-to-air heat pumps/air conditioners : air flow rate, outdoor measured                    | - | 21900 | m <sup>3</sup> /h |
| AS | For water/brine-to air heat pumps: Rated brined or water flow rate, outdoor side heat exchanger | - | N/A   | m <sup>3</sup> /h |

|    |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                          |  |  |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| AV | Contact details                                                                                                                                                                                                                    | Samsung, PO Box 12987, Blackrock, Co. Dublin. IE or Euro QA Lab. Saxony Way, Yateley, Hampshire GU46 6GG, UK<br>Samsung Türkiye Merkez Ofis, Flatofis İstanbul İş Merkezi Otakçılar Caddesi No: 78 Kat 3 No: B3 İstanbul |  |  |
| AW | **= If Cd is not determined by measurement then the default degradation coefficient shall be 0,25.                                                                                                                                 |                                                                                                                                                                                                                          |  |  |
| AX | *** From 26 September 2018.                                                                                                                                                                                                        |                                                                                                                                                                                                                          |  |  |
| AY | Where information relates to multi-split, the test result and performance data may be obtained on the basis of the performance of the out-door unit, with a combination of indoor unit(s) recommended by manufacturer or importer. |                                                                                                                                                                                                                          |  |  |
| AZ | For multi-split heat pumps/air conditioners, a list of appropriate indoor units: AM*****D**, AM*****P**, AM*****F**                                                                                                                |                                                                                                                                                                                                                          |  |  |
| BA | If you are a professional looking for information on non-destructive disassembly, dismantling and battery removability, please send an email to: erims.sec@samsung.com.                                                            |                                                                                                                                                                                                                          |  |  |



# COMMISSION REGULATION (EU) No 2016/2281 <sup>1)</sup>

## ECODESIGN REQUIREMENTS FOR heat pumps/air conditioners <sup>1)</sup>

### Information requirements <sup>1))</sup>

|   |                                                                                                                                                     |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| A | Information to identify the model(s) to which the information relates : AM260AXVAGH                                                                 |
| B | Outdoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                      |
| C | Indoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                       |
| D | Indication if the heater is equipped with a supplementary heater: No                                                                                |
| E | Type: [compressor driven vapour compression or sorption process] Compressor driven vapour compression                                               |
| F | If applicable: driver of compressor: [electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine] Electric motor |
| G | Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.                     |

| Item <sup>(1))</sup>                                | Symbol <sup>(1)</sup>                                                                                                    | Value <sup>(1)</sup>                | Unit <sup>(1)</sup> |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------|
| L                                                   | Rated cooling capacity                                                                                                   | P <sub>rated,c</sub> <sup>(M)</sup> | 72,8 kW             |
| O                                                   | Declared cooling capacity for part load at given outdoor temperatures T <sub>j</sub> and indoor 27°C/19°C (dry/wet bulb) |                                     |                     |
| -                                                   | T <sub>j</sub> = 35 °C                                                                                                   | P <sub>dc</sub>                     | 72,8 kW             |
|                                                     | T <sub>j</sub> = 30 °C                                                                                                   | P <sub>dc</sub>                     | 53,9 kW             |
|                                                     | T <sub>j</sub> = 25 °C                                                                                                   | P <sub>dc</sub>                     | 34,2 kW             |
|                                                     | T <sub>j</sub> = 20 °C                                                                                                   | P <sub>dc</sub>                     | 15,3 kW             |
| Q                                                   | Degradation co-efficient for air conditioners(**)                                                                        | C <sub>dc</sub>                     | 0,25 -              |
| Power consumption in modes other than 'active mode' |                                                                                                                          |                                     |                     |
| AE                                                  | Off mode                                                                                                                 | P <sub>OFF</sub>                    | 0,040 kW            |
| AG                                                  | Thermostat-off mode                                                                                                      | P <sub>TO</sub>                     | 0,000 kW            |

| Item <sup>(1))</sup> | Symbol <sup>(1)</sup>                                                                                      | Value <sup>(1)</sup> | Unit <sup>(1)</sup> |
|----------------------|------------------------------------------------------------------------------------------------------------|----------------------|---------------------|
| R                    | Rated heating capacity                                                                                     | P <sub>rated,h</sub> | 68,0 kW             |
| T                    | Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                      |                     |
| -                    | T <sub>j</sub> = - 7 °C                                                                                    | P <sub>dh</sub>      | 28,2 kW             |
|                      | T <sub>j</sub> = 2 °C                                                                                      | P <sub>dh</sub>      | 17,3 kW             |
|                      | T <sub>j</sub> = 7 °C                                                                                      | P <sub>dh</sub>      | 11,2 kW             |
|                      | T <sub>j</sub> = 12 °C                                                                                     | P <sub>dh</sub>      | 4,8 kW              |
| V                    | T <sub>biv</sub> = bivalent temperature                                                                    | P <sub>dh</sub>      | 32,0 kW             |
| W                    | T <sub>OL</sub> = operating limit                                                                          | P <sub>dh</sub>      | 43,7 kW             |
| X                    | For air-to-water heat pumps: T <sub>j</sub> = -15°C (if T <sub>OL</sub> < -20°C)                           | P <sub>dh</sub>      | N/A kW              |
| Z                    | Bivalent temperature                                                                                       | T <sub>biv</sub>     | -10 °C              |
| AB                   | Degradation co-efficient heat pumps(**)                                                                    | C <sub>dh</sub>      | 0,25 -              |

|                                                     |                       |                  |          |
|-----------------------------------------------------|-----------------------|------------------|----------|
| Power consumption in modes other than 'active mode' |                       |                  |          |
| AE                                                  | Off mode              | P <sub>OFF</sub> | 0,040 kW |
| AG                                                  | Thermostat-off mode   | P <sub>TO</sub>  | 0,040 kW |
| AI                                                  | Crankcase heater mode | P <sub>CK</sub>  | 0,124 kW |

|             |                                                |                          |                                                         |
|-------------|------------------------------------------------|--------------------------|---------------------------------------------------------|
| Other items |                                                |                          |                                                         |
| AL          | Capacity control                               | variable <sup>(AM)</sup> |                                                         |
| AO          | Sound power level for cooling (indoor/outdoor) | L <sub>WA</sub>          | - / 87,0 dB                                             |
| AP          | Sound power level for heating(indoor/outdoor)  | L <sub>WA</sub>          | - / 89,0 dB                                             |
| AQ          | Emissions of nitrogen oxides (if applicable)   | Nox (***)                | N/A mg/kWh fuel input GCV <sup>(AR)</sup>               |
| AT          | GWP of the refrigerant                         |                          | 2087,5 kgCO <sub>2</sub> eq (100 years) <sup>(AU)</sup> |

| Item <sup>(1))</sup> | Symbol <sup>(1)</sup>                                                                       | Value <sup>(1)</sup> | Unit <sup>(1)</sup> |
|----------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|
| N                    | Seasonal space cooling energy efficiency                                                    | η <sub>sc</sub>      | 201,0 %             |
| P                    | Declared energy efficiency ratio for part load at given outdoor temperatures T <sub>j</sub> |                      |                     |
| -                    | T <sub>j</sub> = 35 °C                                                                      | EER <sub>d</sub>     | 1,9 -               |
|                      | T <sub>j</sub> = 30 °C                                                                      | EER <sub>d</sub>     | 3,1 -               |
|                      | T <sub>j</sub> = 25 °C                                                                      | EER <sub>d</sub>     | 5,5 -               |
|                      | T <sub>j</sub> = 20 °C                                                                      | EER <sub>d</sub>     | 17,8 -              |

|                                                     |                       |                 |          |
|-----------------------------------------------------|-----------------------|-----------------|----------|
| Power consumption in modes other than 'active mode' |                       |                 |          |
| AI                                                  | Crankcase heater mode | P <sub>ck</sub> | 0,000 kW |
| AJ                                                  | Standby mode          | P <sub>SB</sub> | 0,040 kW |

| Item <sup>(1))</sup> | Symbol <sup>(1)</sup>                                                                                                     | Value <sup>(1)</sup> | Unit <sup>(1)</sup> |
|----------------------|---------------------------------------------------------------------------------------------------------------------------|----------------------|---------------------|
| S                    | Seasonal space heating energy efficiency                                                                                  | η <sub>sh</sub>      | 145,0 %             |
| U                    | Declared coefficient of performance* / Average season, at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                      |                     |
| -                    | T <sub>j</sub> = - 7 °C                                                                                                   | COP <sub>d</sub>     | 2,3 -               |
|                      | T <sub>j</sub> = 2 °C                                                                                                     | COP <sub>d</sub>     | 3,2 -               |
|                      | T <sub>j</sub> = 7 °C                                                                                                     | COP <sub>d</sub>     | 6,3 -               |
|                      | T <sub>j</sub> = 12 °C                                                                                                    | COP <sub>d</sub>     | 6,8 -               |
| V                    | T <sub>j</sub> = bivalent temperature                                                                                     | COP <sub>d</sub>     | 1,9 -               |
| W                    | T <sub>j</sub> = operating limit                                                                                          | COP <sub>d</sub>     | 1,7 -               |
| Y                    | For water-to-air heat pumps: T <sub>j</sub> = -15°C (if T <sub>OL</sub> < -20°C)                                          | COP <sub>d</sub>     | N/A -               |
| AA                   | For water-to-air heat pumps: Operation limit temperature                                                                  | T <sub>ol</sub>      | N/A °C              |

|                      |                          |                 |          |
|----------------------|--------------------------|-----------------|----------|
| Supplementary heater |                          |                 |          |
| AF                   | Back-up heating capacity | elbu            | N/A kW   |
| AH                   | Type of energy input     |                 |          |
| AJ                   | Standby mode             | P <sub>SB</sub> | 0,040 kW |

|             |                                                                                                 |   |                         |
|-------------|-------------------------------------------------------------------------------------------------|---|-------------------------|
| Other items |                                                                                                 |   |                         |
| AN          | For air-to-air heat pumps/air conditioners : air flow rate, outdoor measured                    | - | 21900 m <sup>3</sup> /h |
| AS          | For water/brine-to air heat pumps: Rated brined or water flow rate, outdoor side heat exchanger | - | N/A m <sup>3</sup> /h   |

|    |                 |                                                                                                                                                                                                                          |  |
|----|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| AV | Contact details | Samsung, PO Box 12987, Blackrock, Co. Dublin. IE or Euro QA Lab. Saxony Way, Yateley, Hampshire GU46 6GG, UK<br>Samsung Türkiye Merkez Ofis, Flatofis İstanbul İş Merkezi Otakçılar Caddesi No: 78 Kat 3 No: B3 İstanbul |  |
|----|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|

AW \*\*= If Cd is not determined by measurement then the default degradation coefficient shall be 0,25.

AX \*\*\* From 26 September 2018.

AY Where information relates to multi-split, the test result and performance data may be obtained on the basis of the performance of the out-door unit, with a combination of indoor unit(s) recommended by manufacturer or importer.

AZ For multi-split heat pumps/air conditioners, a list of appropriate indoor units: AM\*\*\*\*\*N\*D\*\*\*, AM\*\*\*\*\*N\*P\*\*\*, AM\*\*\*\*\*N\*F\*\*

BA If you are a professional looking for information on non-destructive disassembly, dismantling and battery removability, please send an email to: erims.sec@samsung.com.

# COMMISSION REGULATION (EU) No 2016/2281 <sup>I)</sup>

## ECODESIGN REQUIREMENTS FOR heat pumps/air conditioners <sup>II)</sup>

| Information requirements <sup>III)</sup> |                                                                                                                                                     |  |  |  |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| A                                        | Information to identify the model(s) to which the information relates : AM100AXVDGH                                                                 |  |  |  |
| B                                        | Outdoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                      |  |  |  |
| C                                        | Indoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                       |  |  |  |
| D                                        | Indication if the heater is equipped with a supplementary heater: No                                                                                |  |  |  |
| E                                        | Type: [compressor driven vapour compression or sorption process] Compressor driven vapour compression                                               |  |  |  |
| F                                        | If applicable: driver of compressor: [electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine] Electric motor |  |  |  |
| G                                        | Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.                     |  |  |  |

|    | Item <sup>(H)</sup>                                                                                                      | Symbol <sup>(I)</sup>               | Value <sup>(J)</sup> | Unit <sup>(K)</sup> |
|----|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------|---------------------|
| L  | Rated cooling capacity                                                                                                   | P <sub>rated,c</sub> <sup>(M)</sup> | 28,0                 | kW                  |
| O  | Declared cooling capacity for part load at given outdoor temperatures T <sub>j</sub> and indoor 27°C/19°C (dry/wet bulb) |                                     |                      |                     |
| -  | T <sub>j</sub> = 35 °C                                                                                                   | P <sub>dc</sub>                     | 28,0                 | kW                  |
|    | T <sub>j</sub> = 30 °C                                                                                                   | P <sub>dc</sub>                     | 20,7                 | kW                  |
|    | T <sub>j</sub> = 25 °C                                                                                                   | P <sub>dc</sub>                     | 13,2                 | kW                  |
|    | T <sub>j</sub> = 20 °C                                                                                                   | P <sub>dc</sub>                     | 5,9                  | kW                  |
| Q  | Degradation co-efficient for air conditioners(**)                                                                        | C <sub>dc</sub>                     | 0,25                 | -                   |
| AC | Power consumption in modes other than 'active mode'                                                                      |                                     |                      |                     |
| AE | Off mode                                                                                                                 | P <sub>OFF</sub>                    | 0,030                | kW                  |
| AG | Thermostat-off mode                                                                                                      | P <sub>TO</sub>                     | 0,000                | kW                  |

|    | Item <sup>(H)</sup>                                                                         | Symbol <sup>(I)</sup> | Value <sup>(J)</sup> | Unit <sup>(K)</sup> |
|----|---------------------------------------------------------------------------------------------|-----------------------|----------------------|---------------------|
| N  | Seasonal space cooling energy efficiency                                                    | η <sub>s,c</sub>      | 237,0                | %                   |
| P  | Declared energy efficiency ratio for part load at given outdoor temperatures T <sub>j</sub> |                       |                      |                     |
| -  | T <sub>j</sub> = 35 °C                                                                      | EER <sub>d</sub>      | 2,1                  | -                   |
|    | T <sub>j</sub> = 30 °C                                                                      | EER <sub>d</sub>      | 3,8                  | -                   |
|    | T <sub>j</sub> = 25 °C                                                                      | EER <sub>d</sub>      | 6,9                  | -                   |
|    | T <sub>j</sub> = 20 °C                                                                      | EER <sub>d</sub>      | 18,2                 | -                   |
| AC | Power consumption in modes other than 'active mode'                                         |                       |                      |                     |
| AI | Crankcase heater mode                                                                       | P <sub>ck</sub>       | 0,000                | kW                  |
| AJ | Standby mode                                                                                | P <sub>sB</sub>       | 0,030                | kW                  |

|    | Item <sup>(H)</sup>                                                                                        | Symbol <sup>(I)</sup> | Value <sup>(J)</sup> | Unit <sup>(K)</sup> |
|----|------------------------------------------------------------------------------------------------------------|-----------------------|----------------------|---------------------|
| R  | Rated heating capacity                                                                                     | P <sub>rated,h</sub>  | 28,0                 | kW                  |
| T  | Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                       |                      |                     |
| -  | T <sub>j</sub> = - 7 °C                                                                                    | P <sub>dh</sub>       | 14,3                 | kW                  |
|    | T <sub>j</sub> = 2 °C                                                                                      | P <sub>dh</sub>       | 8,8                  | kW                  |
|    | T <sub>j</sub> = 7 °C                                                                                      | P <sub>dh</sub>       | 5,7                  | kW                  |
|    | T <sub>j</sub> = 12 °C                                                                                     | P <sub>dh</sub>       | 2,4                  | kW                  |
| V  | T <sub>biv</sub> = bivalent temperature                                                                    | P <sub>dh</sub>       | 16,3                 | kW                  |
| W  | T <sub>OL</sub> = operating limit                                                                          | P <sub>dh</sub>       | 16,8                 | kW                  |
| X  | For air-to-water heat pumps: T <sub>j</sub> = -15°C (if T <sub>OL</sub> <-20°C)                            | P <sub>dh</sub>       | N/A                  | kW                  |
| Z  | Bivalent temperature                                                                                       | T <sub>biv</sub>      | -10                  | °C                  |
| AB | Degradation co-efficient heat pumps(**)                                                                    | C <sub>dh</sub>       | 0,25                 | -                   |
| AC | Power consumption in modes other than 'active mode'                                                        |                       |                      |                     |
| AE | Off mode                                                                                                   | P <sub>OFF</sub>      | 0,030                | kW                  |
| AG | Thermostat-off mode                                                                                        | P <sub>TO</sub>       | 0,030                | kW                  |
| AI | Crankcase heater mode                                                                                      | P <sub>CK</sub>       | 0,062                | kW                  |

|    | Item <sup>(H)</sup>                                                                                                       | Symbol <sup>(I)</sup> | Value <sup>(J)</sup> | Unit <sup>(K)</sup> |
|----|---------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------|---------------------|
| S  | Seasonal space heating energy efficiency                                                                                  | η <sub>s,h</sub>      | 161,0                | %                   |
| U  | Declared coefficient of performance* / Average season, at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                       |                      |                     |
| -  | T <sub>j</sub> = - 7 °C                                                                                                   | COP <sub>d</sub>      | 2,1                  | -                   |
|    | T <sub>j</sub> = 2 °C                                                                                                     | COP <sub>d</sub>      | 4,1                  | -                   |
|    | T <sub>j</sub> = 7 °C                                                                                                     | COP <sub>d</sub>      | 6,3                  | -                   |
|    | T <sub>j</sub> = 12 °C                                                                                                    | COP <sub>d</sub>      | 6,7                  | -                   |
| V  | T <sub>j</sub> = bivalent temperature                                                                                     | COP <sub>d</sub>      | 2,0                  | -                   |
| W  | T <sub>j</sub> = operating limit                                                                                          | COP <sub>d</sub>      | 1,8                  | -                   |
| Y  | For water-to-air heat pumps: T <sub>j</sub> = -15°C (if T <sub>OL</sub> <-20°C)                                           | COP <sub>d</sub>      | N/A                  | -                   |
| AA | For water-to-air heat pumps:Operation limit temperature                                                                   | T <sub>ol</sub>       | N/A                  | °C                  |
| AD | Supplementary heater                                                                                                      |                       |                      |                     |
| AF | Back-up heating capacity                                                                                                  | elbu                  | N/A                  | kW                  |
| AH | Type of energy input                                                                                                      |                       |                      |                     |
| AJ | Standby mode                                                                                                              | P <sub>sB</sub>       | 0,030                | kW                  |

|    | Item <sup>(H)</sup>                            | Symbol <sup>(I)</sup> | Value <sup>(J)</sup>     | Unit <sup>(K)</sup>                              |
|----|------------------------------------------------|-----------------------|--------------------------|--------------------------------------------------|
| AK | Other items                                    |                       |                          |                                                  |
| AL | Capacity control                               |                       | variable <sup>(AM)</sup> |                                                  |
| AO | Sound power level for cooling (indoor/outdoor) | L <sub>WA</sub>       | - / 78,0                 | dB                                               |
| AP | Sound power level for heating(indoor/outdoor)  | L <sub>WA</sub>       | - / 81,0                 | dB                                               |
| AQ | Emissions of nitrogen oxides (if applicable)   | Nox (***)             | N/A                      | mg/kWh fuel input GCV <sup>(AR)</sup>            |
| AT | GWP of the refrigerant                         |                       | 2087,5                   | kgCO <sub>2</sub> eq (100 years) <sup>(AU)</sup> |

|    | Item <sup>(H)</sup>                                                                             | Symbol <sup>(I)</sup> | Value <sup>(J)</sup> | Unit <sup>(K)</sup> |
|----|-------------------------------------------------------------------------------------------------|-----------------------|----------------------|---------------------|
| AK | Other items                                                                                     |                       |                      |                     |
| AN | For air-to-air heat pumps/air conditioners : air flow rate, outdoor measured                    | -                     | 10020                | m³/h                |
| AS | For water/brine-to air heat pumps: Rated brined or water flow rate, outdoor side heat exchanger | -                     | N/A                  | m³/h                |

|    |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                          |  |  |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| AV | Contact details                                                                                                                                                                                                                    | Samsung, PO Box 12987, Blackrock, Co. Dublin. IE or Euro QA Lab. Saxony Way, Yateley, Hampshire GU46 6GG, UK<br>Samsung Türkiye Merkez Ofis, Flatofis İstanbul İş Merkezi Otakçılar Caddesi No: 78 Kat 3 No: B3 İstanbul |  |  |
| AW | **= If Cd is not determined by measurement then the default degradation coefficient shall be 0,25.                                                                                                                                 |                                                                                                                                                                                                                          |  |  |
| AX | *** From 26 September 2018.                                                                                                                                                                                                        |                                                                                                                                                                                                                          |  |  |
| AY | Where information relates to multi-split, the test result and performance data may be obtained on the basis of the performance of the out-door unit, with a combination of indoor unit(s) recommended by manufacturer or importer. |                                                                                                                                                                                                                          |  |  |
| AZ | For multi-split heat pumps/air conditioners, a list of appropriate indoor units: AM*****D**, AM*****P**, AM*****F**                                                                                                                |                                                                                                                                                                                                                          |  |  |
| BA | If you are a professional looking for information on non-destructive disassembly, dismantling and battery removability, please send an email to: erims.sec@samsung.com.                                                            |                                                                                                                                                                                                                          |  |  |

# COMMISSION REGULATION (EU) No 2016/2281 <sup>1)</sup>

## ECODESIGN REQUIREMENTS FOR heat pumps/air conditioners <sup>1)</sup>

### Information requirements <sup>1))</sup>

|   |                                                                                                                                                     |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| A | Information to identify the model(s) to which the information relates : AM120AXVDGH                                                                 |
| B | Outdoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                      |
| C | Indoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                       |
| D | Indication if the heater is equipped with a supplementary heater: No                                                                                |
| E | Type: [compressor driven vapour compression or sorption process] Compressor driven vapour compression                                               |
| F | If applicable: driver of compressor: [electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine] Electric motor |
| G | Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.                     |

| Item <sup>(1))</sup>                                | Symbol <sup>(1)</sup>                                                                                                    | Value <sup>(1)</sup>                | Unit <sup>(1)</sup> |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------|
| L                                                   | Rated cooling capacity                                                                                                   | P <sub>rated,c</sub> <sup>(M)</sup> | 33,6 kW             |
| O                                                   | Declared cooling capacity for part load at given outdoor temperatures T <sub>j</sub> and indoor 27°C/19°C (dry/wet bulb) |                                     |                     |
| -                                                   | T <sub>j</sub> = 35 °C                                                                                                   | P <sub>dc</sub>                     | 33,6 kW             |
|                                                     | T <sub>j</sub> = 30 °C                                                                                                   | P <sub>dc</sub>                     | 24,9 kW             |
|                                                     | T <sub>j</sub> = 25 °C                                                                                                   | P <sub>dc</sub>                     | 15,8 kW             |
|                                                     | T <sub>j</sub> = 20 °C                                                                                                   | P <sub>dc</sub>                     | 7,1 kW              |
| Q                                                   | Degradation co-efficient for air conditioners(**)                                                                        | C <sub>dc</sub>                     | 0,25 -              |
| Power consumption in modes other than 'active mode' |                                                                                                                          |                                     |                     |
| AE                                                  | Off mode                                                                                                                 | P <sub>OFF</sub>                    | 0,030 kW            |
| AG                                                  | Thermostat-off mode                                                                                                      | P <sub>TO</sub>                     | 0,000 kW            |

| Item <sup>(1))</sup> | Symbol <sup>(1)</sup>                                                                                      | Value <sup>(1)</sup> | Unit <sup>(1)</sup> |
|----------------------|------------------------------------------------------------------------------------------------------------|----------------------|---------------------|
| R                    | Rated heating capacity                                                                                     | P <sub>rated,h</sub> | 33,6 kW             |
| T                    | Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                      |                     |
| -                    | T <sub>j</sub> = - 7 °C                                                                                    | P <sub>dh</sub>      | 16,5 kW             |
|                      | T <sub>j</sub> = 2 °C                                                                                      | P <sub>dh</sub>      | 10,2 kW             |
|                      | T <sub>j</sub> = 7 °C                                                                                      | P <sub>dh</sub>      | 6,6 kW              |
|                      | T <sub>j</sub> = 12 °C                                                                                     | P <sub>dh</sub>      | 2,8 kW              |
| V                    | T <sub>biv</sub> = bivalent temperature                                                                    | P <sub>dh</sub>      | 18,8 kW             |
| W                    | T <sub>OL</sub> = operating limit                                                                          | P <sub>dh</sub>      | 20,2 kW             |
| X                    | For air-to-water heat pumps: T <sub>j</sub> = -15°C (if T <sub>OL</sub> < -20°C)                           | P <sub>dh</sub>      | N/A kW              |
| Z                    | Bivalent temperature                                                                                       | T <sub>biv</sub>     | -10 °C              |
| AB                   | Degradation co-efficient heat pumps(**)                                                                    | C <sub>dh</sub>      | 0,25 -              |

|                                                     |                       |                  |          |
|-----------------------------------------------------|-----------------------|------------------|----------|
| Power consumption in modes other than 'active mode' |                       |                  |          |
| AE                                                  | Off mode              | P <sub>OFF</sub> | 0,030 kW |
| AG                                                  | Thermostat-off mode   | P <sub>TO</sub>  | 0,030 kW |
| AI                                                  | Crankcase heater mode | P <sub>CK</sub>  | 0,062 kW |

| Other items |                                                |                          |                                                         |
|-------------|------------------------------------------------|--------------------------|---------------------------------------------------------|
| AL          | Capacity control                               | variable <sup>(AM)</sup> |                                                         |
| AO          | Sound power level for cooling (indoor/outdoor) | L <sub>WA</sub>          | - / 81,0 dB                                             |
| AP          | Sound power level for heating(indoor/outdoor)  | L <sub>WA</sub>          | - / 84,0 dB                                             |
| AQ          | Emissions of nitrogen oxides (if applicable)   | Nox (***)                | N/A mg/kWh fuel input GCV <sup>(AR)</sup>               |
| AT          | GWP of the refrigerant                         |                          | 2087,5 kgCO <sub>2</sub> eq (100 years) <sup>(AU)</sup> |

| Item <sup>(1))</sup> | Symbol <sup>(1)</sup>                                                                       | Value <sup>(1)</sup> | Unit <sup>(1)</sup> |
|----------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|
| N                    | Seasonal space cooling energy efficiency                                                    | η <sub>sc</sub>      | 253,0 %             |
| P                    | Declared energy efficiency ratio for part load at given outdoor temperatures T <sub>j</sub> |                      |                     |
| -                    | T <sub>j</sub> = 35 °C                                                                      | EER <sub>d</sub>     | 2,4 -               |
|                      | T <sub>j</sub> = 30 °C                                                                      | EER <sub>d</sub>     | 4,1 -               |
|                      | T <sub>j</sub> = 25 °C                                                                      | EER <sub>d</sub>     | 7,3 -               |
|                      | T <sub>j</sub> = 20 °C                                                                      | EER <sub>d</sub>     | 17,7 -              |

|                                                     |                       |                 |          |
|-----------------------------------------------------|-----------------------|-----------------|----------|
| Power consumption in modes other than 'active mode' |                       |                 |          |
| AI                                                  | Crankcase heater mode | P <sub>ck</sub> | 0,000 kW |
| AJ                                                  | Standby mode          | P <sub>SB</sub> | 0,030 kW |

| Item <sup>(1))</sup> | Symbol <sup>(1)</sup>                                                                                                     | Value <sup>(1)</sup> | Unit <sup>(1)</sup> |
|----------------------|---------------------------------------------------------------------------------------------------------------------------|----------------------|---------------------|
| S                    | Seasonal space heating energy efficiency                                                                                  | η <sub>sh</sub>      | 169,0 %             |
| U                    | Declared coefficient of performance* / Average season, at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                      |                     |
| -                    | T <sub>j</sub> = - 7 °C                                                                                                   | COP <sub>d</sub>     | 2,5 -               |
|                      | T <sub>j</sub> = 2 °C                                                                                                     | COP <sub>d</sub>     | 4,1 -               |
|                      | T <sub>j</sub> = 7 °C                                                                                                     | COP <sub>d</sub>     | 6,6 -               |
|                      | T <sub>j</sub> = 12 °C                                                                                                    | COP <sub>d</sub>     | 6,8 -               |
| V                    | T <sub>j</sub> = bivalent temperature                                                                                     | COP <sub>d</sub>     | 2,2 -               |
| W                    | T <sub>j</sub> = operating limit                                                                                          | COP <sub>d</sub>     | 1,9 -               |
| Y                    | For water-to-air heat pumps: T <sub>j</sub> = -15°C (if T <sub>OL</sub> < -20°C)                                          | COP <sub>d</sub>     | N/A -               |
| AA                   | For water-to-air heat pumps: Operation limit temperature                                                                  | T <sub>ol</sub>      | N/A °C              |

|                      |                          |                 |          |
|----------------------|--------------------------|-----------------|----------|
| Supplementary heater |                          |                 |          |
| AF                   | Back-up heating capacity | elbu            | N/A kW   |
| AH                   | Type of energy input     |                 |          |
| AJ                   | Standby mode             | P <sub>SB</sub> | 0,030 kW |

| Other items |                                                                                                 |   |                         |
|-------------|-------------------------------------------------------------------------------------------------|---|-------------------------|
| AN          | For air-to-air heat pumps/air conditioners : air flow rate, outdoor measured                    | - | 11760 m <sup>3</sup> /h |
| AS          | For water/brine-to air heat pumps: Rated brined or water flow rate, outdoor side heat exchanger | - | N/A m <sup>3</sup> /h   |

|    |                 |                                                                                                                                                                                                                          |  |
|----|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| AV | Contact details | Samsung, PO Box 12987, Blackrock, Co. Dublin. IE or Euro QA Lab. Saxony Way, Yateley, Hampshire GU46 6GG, UK<br>Samsung Türkiye Merkez Ofis, Flatofis İstanbul İş Merkezi Otakçılar Caddesi No: 78 Kat 3 No: B3 İstanbul |  |
|----|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|

AW \*\*= If Cd is not determined by measurement then the default degradation coefficient shall be 0,25.

AX \*\*\* From 26 September 2018.

AY Where information relates to multi-split, the test result and performance data may be obtained on the basis of the performance of the out-door unit, with a combination of indoor unit(s) recommended by manufacturer or importer.

AZ For multi-split heat pumps/air conditioners, a list of appropriate indoor units: AMXXXXNxDXX, AMXXXXNXPXX, AMXXXXNFXFX

BA If you are a professional looking for information on non-destructive disassembly, dismantling and battery removability, please send an email to: erims.sec@samsung.com.

# COMMISSION REGULATION (EU) No 2016/2281<sup>1)</sup>

## ECODESIGN REQUIREMENTS FOR heat pumps/air conditioners<sup>1)</sup>

### Information requirements<sup>1)</sup>

|   |                                                                                                                                                     |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| A | Information to identify the model(s) to which the information relates : AM140AXVDGH                                                                 |
| B | Outdoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                      |
| C | Indoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                       |
| D | Indication if the heater is equipped with a supplementary heater: No                                                                                |
| E | Type: [compressor driven vapour compression or sorption process] Compressor driven vapour compression                                               |
| F | If applicable: driver of compressor: [electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine] Electric motor |
| G | Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.                     |

| Item <sup>(1)</sup> | Symbol <sup>(1)</sup>                                                                                                                         | Value <sup>(2)</sup> | Unit <sup>(3)</sup> |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------|---------------------|
| L                   | Rated cooling capacity                                                                                                                        | $P_{rated,c}^{(M)}$  | 40,0 kW             |
| O                   | Declared cooling capacity for part load at given outdoor temperatures $T_j$ and indoor $27^{\circ}\text{C}/19^{\circ}\text{C}$ (dry/wet bulb) |                      |                     |
| -                   | $T_j = 35^{\circ}\text{C}$                                                                                                                    | $P_{dc}$             | 40,0 kW             |
|                     | $T_j = 30^{\circ}\text{C}$                                                                                                                    | $P_{dc}$             | 29,6 kW             |
|                     | $T_j = 25^{\circ}\text{C}$                                                                                                                    | $P_{dc}$             | 18,8 kW             |
|                     | $T_j = 20^{\circ}\text{C}$                                                                                                                    | $P_{dc}$             | 8,4 kW              |
| Q                   | Degradation co-efficient for air conditioners(**)                                                                                             | $C_{dc}$             | 0,25 -              |
| AC                  | Power consumption in modes other than 'active mode'                                                                                           |                      |                     |
| AE                  | Off mode                                                                                                                                      | $P_{OFF}$            | 0,030 kW            |
| AG                  | Thermostat-off mode                                                                                                                           | $P_{TO}$             | 0,000 kW            |

| Item <sup>(1)</sup> | Symbol <sup>(1)</sup>                                                                                            | Value <sup>(2)</sup> | Unit <sup>(3)</sup>    |
|---------------------|------------------------------------------------------------------------------------------------------------------|----------------------|------------------------|
| R                   | Rated heating capacity                                                                                           | $P_{rated,h}$        | 40,0 kW                |
| T                   | Declared heating capacity for part load at indoor temperature $20^{\circ}\text{C}$ and outdoor temperature $T_j$ |                      |                        |
| -                   | $T_j = -7^{\circ}\text{C}$                                                                                       | $P_{dh}$             | 17,9 kW                |
|                     | $T_j = 2^{\circ}\text{C}$                                                                                        | $P_{dh}$             | 11,0 kW                |
|                     | $T_j = 7^{\circ}\text{C}$                                                                                        | $P_{dh}$             | 7,1 kW                 |
|                     | $T_j = 12^{\circ}\text{C}$                                                                                       | $P_{dh}$             | 3,0 kW                 |
| V                   | $T_{biv}$ = bivalent temperature                                                                                 | $P_{dh}$             | 20,3 kW                |
| W                   | $T_{OL}$ = operating limit                                                                                       | $P_{dh}$             | 24,0 kW                |
| X                   | For air-to-water heat pumps: $T_j = -15^{\circ}\text{C}$ (if $T_{OL} < -20^{\circ}\text{C}$ )                    | $P_{dh}$             | N/A kW                 |
| Z                   | Bivalent temperature                                                                                             | $T_{biv}$            | -10 $^{\circ}\text{C}$ |
| AB                  | Degradation co-efficient heat pumps(**)                                                                          | $C_{dh}$             | 0,25 -                 |

|    |                                                     |           |          |
|----|-----------------------------------------------------|-----------|----------|
| AC | Power consumption in modes other than 'active mode' |           |          |
| AE | Off mode                                            | $P_{OFF}$ | 0,030 kW |
| AG | Thermostat-off mode                                 | $P_{TO}$  | 0,030 kW |
| AI | Crankcase heater mode                               | $P_{CK}$  | 0,062 kW |

| AK | Other items                                    |                          |                                                         |
|----|------------------------------------------------|--------------------------|---------------------------------------------------------|
| AL | Capacity control                               | variable <sup>(AM)</sup> |                                                         |
| AO | Sound power level for cooling (indoor/outdoor) | $L_{WA}$                 | - / 85,0 dB                                             |
| AP | Sound power level for heating(indoor/outdoor)  | $L_{WA}$                 | - / 86,0 dB                                             |
| AQ | Emissions of nitrogen oxides (if applicable)   | Nox (***)                | N/A mg/kWh fuel input GCV <sup>(AR)</sup>               |
| AT | GWP of the refrigerant                         |                          | 2087,5 kgCO <sub>2</sub> eq (100 years) <sup>(AU)</sup> |

| Item <sup>(1)</sup> | Symbol <sup>(1)</sup>                                                              | Value <sup>(2)</sup> | Unit <sup>(3)</sup> |
|---------------------|------------------------------------------------------------------------------------|----------------------|---------------------|
| N                   | Seasonal space cooling energy efficiency                                           | $\eta_{s,c}$         | 245,0 %             |
| P                   | Declared energy efficiency ratio for part load at given outdoor temperatures $T_j$ |                      |                     |
| -                   | $T_j = 35^{\circ}\text{C}$                                                         | $EER_d$              | 2,2 -               |
|                     | $T_j = 30^{\circ}\text{C}$                                                         | $EER_d$              | 3,9 -               |
|                     | $T_j = 25^{\circ}\text{C}$                                                         | $EER_d$              | 7,2 -               |
|                     | $T_j = 20^{\circ}\text{C}$                                                         | $EER_d$              | 17,8 -              |

|    |                                                     |          |          |
|----|-----------------------------------------------------|----------|----------|
| AC | Power consumption in modes other than 'active mode' |          |          |
| AI | Crankcase heater mode                               | $P_{ck}$ | 0,000 kW |
| AJ | Standby mode                                        | $P_{SB}$ | 0,030 kW |

| Item <sup>(1)</sup> | Symbol <sup>(1)</sup>                                                                                                           | Value <sup>(2)</sup> | Unit <sup>(3)</sup>    |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------|
| S                   | Seasonal space heating energy efficiency                                                                                        | $\eta_{s,h}$         | 161,0 %                |
| U                   | Declared coefficient of performance* / Average season, at indoor temperature $20^{\circ}\text{C}$ and outdoor temperature $T_j$ |                      |                        |
| -                   | $T_j = -7^{\circ}\text{C}$                                                                                                      | $COP_d$              | 2,4 -                  |
|                     | $T_j = 2^{\circ}\text{C}$                                                                                                       | $COP_d$              | 3,9 -                  |
|                     | $T_j = 7^{\circ}\text{C}$                                                                                                       | $COP_d$              | 6,3 -                  |
|                     | $T_j = 12^{\circ}\text{C}$                                                                                                      | $COP_d$              | 6,3 -                  |
| V                   | $T_j$ = bivalent temperature                                                                                                    | $COP_d$              | 2,1 -                  |
| W                   | $T_j$ = operating limit                                                                                                         | $COP_d$              | 1,8 -                  |
| Y                   | For water-to-air heat pumps: $T_j = -15^{\circ}\text{C}$ (if $T_{OL} < -20^{\circ}\text{C}$ )                                   | $COP_d$              | N/A -                  |
| AA                  | For water-to-air heat pumps: Operation limit temperature                                                                        | $T_{ol}$             | N/A $^{\circ}\text{C}$ |

|    |                          |           |          |
|----|--------------------------|-----------|----------|
| AD | Supplementary heater     |           |          |
| AF | Back-up heating capacity | $el_{bu}$ | N/A kW   |
| AH | Type of energy input     |           |          |
| AJ | Standby mode             | $P_{SB}$  | 0,030 kW |

| AK | Other items                                                                                     |   |                         |
|----|-------------------------------------------------------------------------------------------------|---|-------------------------|
| AN | For air-to-air heat pumps/air conditioners : air flow rate, outdoor measured                    | - | 12600 m <sup>3</sup> /h |
| AS | For water/brine-to air heat pumps: Rated brined or water flow rate, outdoor side heat exchanger | - | N/A m <sup>3</sup> /h   |

|    |                 |                                                                                                                                                                                                                          |
|----|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AV | Contact details | Samsung, PO Box 12987, Blackrock, Co. Dublin. IE or Euro QA Lab. Saxony Way, Yateley, Hampshire GU46 6GG, UK<br>Samsung Türkiye Merkez Ofis, Flatofis İstanbul İş Merkezi Otakçılar Caddesi No: 78 Kat 3 No: B3 İstanbul |
|----|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

AW \*\*= If  $C_d$  is not determined by measurement then the default degradation coefficient shall be 0,25.

AX \*\*\* From 26 September 2018.

AY Where information relates to multi-split, the test result and performance data may be obtained on the basis of the performance of the out-door unit, with a combination of indoor unit(s) recommended by manufacturer or importer.

AZ For multi-split heat pumps/air conditioners, a list of appropriate indoor units: AM\*\*\*\*\*D\*\*, AM\*\*\*\*\*P\*\*, AM\*\*\*\*\*F\*\*

BA If you are a professional looking for information on non-destructive disassembly, dismantling and battery removability, please send an email to: erims.sec@samsung.com.

# COMMISSION REGULATION (EU) No 2016/2281 <sup>1)</sup>

## ECODESIGN REQUIREMENTS FOR heat pumps/air conditioners <sup>1)</sup>

### Information requirements <sup>1))</sup>

|   |                                                                                                                                                     |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| A | Information to identify the model(s) to which the information relates : AM160AXVDGH                                                                 |
| B | Outdoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                      |
| C | Indoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                       |
| D | Indication if the heater is equipped with a supplementary heater: No                                                                                |
| E | Type: [compressor driven vapour compression or sorption process] Compressor driven vapour compression                                               |
| F | If applicable: driver of compressor: [electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine] Electric motor |
| G | Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.                     |

| Item <sup>(1))</sup>                                | Symbol <sup>(1)</sup>                                                                                                    | Value <sup>(1)</sup>                | Unit <sup>(1)</sup> |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------|
| L                                                   | Rated cooling capacity                                                                                                   | P <sub>rated,c</sub> <sup>(M)</sup> | 45,0 kW             |
| O                                                   | Declared cooling capacity for part load at given outdoor temperatures T <sub>j</sub> and indoor 27°C/19°C (dry/wet bulb) |                                     |                     |
| -                                                   | T <sub>j</sub> = 35 °C                                                                                                   | P <sub>dc</sub>                     | 45,0 kW             |
|                                                     | T <sub>j</sub> = 30 °C                                                                                                   | P <sub>dc</sub>                     | 33,3 kW             |
|                                                     | T <sub>j</sub> = 25 °C                                                                                                   | P <sub>dc</sub>                     | 21,2 kW             |
|                                                     | T <sub>j</sub> = 20 °C                                                                                                   | P <sub>dc</sub>                     | 9,5 kW              |
| Q                                                   | Degradation co-efficient for air conditioners(**)                                                                        | C <sub>dc</sub>                     | 0,25 -              |
| Power consumption in modes other than 'active mode' |                                                                                                                          |                                     |                     |
| AE                                                  | Off mode                                                                                                                 | P <sub>OFF</sub>                    | 0,030 kW            |
| AG                                                  | Thermostat-off mode                                                                                                      | P <sub>TO</sub>                     | 0,000 kW            |

| Item <sup>(1))</sup> | Symbol <sup>(1)</sup>                                                                                      | Value <sup>(1)</sup> | Unit <sup>(1)</sup> |
|----------------------|------------------------------------------------------------------------------------------------------------|----------------------|---------------------|
| R                    | Rated heating capacity                                                                                     | P <sub>rated,h</sub> | 45,0 kW             |
| T                    | Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                      |                     |
| -                    | T <sub>j</sub> = - 7 °C                                                                                    | P <sub>dh</sub>      | 21,1 kW             |
|                      | T <sub>j</sub> = 2 °C                                                                                      | P <sub>dh</sub>      | 13,0 kW             |
|                      | T <sub>j</sub> = 7 °C                                                                                      | P <sub>dh</sub>      | 8,4 kW              |
|                      | T <sub>j</sub> = 12 °C                                                                                     | P <sub>dh</sub>      | 3,6 kW              |
| V                    | T <sub>biv</sub> = bivalent temperature                                                                    | P <sub>dh</sub>      | 24,0 kW             |
| W                    | T <sub>OL</sub> = operating limit                                                                          | P <sub>dh</sub>      | 27,0 kW             |
| X                    | For air-to-water heat pumps: T <sub>j</sub> = -15°C (if T <sub>OL</sub> < -20°C)                           | P <sub>dh</sub>      | N/A kW              |
| Z                    | Bivalent temperature                                                                                       | T <sub>biv</sub>     | -10 °C              |
| AB                   | Degradation co-efficient heat pumps(**)                                                                    | C <sub>dh</sub>      | 0,25 -              |

|                                                     |                       |                  |          |
|-----------------------------------------------------|-----------------------|------------------|----------|
| Power consumption in modes other than 'active mode' |                       |                  |          |
| AE                                                  | Off mode              | P <sub>OFF</sub> | 0,030 kW |
| AG                                                  | Thermostat-off mode   | P <sub>TO</sub>  | 0,030 kW |
| AI                                                  | Crankcase heater mode | P <sub>CK</sub>  | 0,062 kW |

| Item <sup>(1))</sup> | Symbol <sup>(1)</sup>                          | Value <sup>(1)</sup>     | Unit <sup>(1)</sup>                                     |
|----------------------|------------------------------------------------|--------------------------|---------------------------------------------------------|
| AK                   | Other items                                    |                          |                                                         |
| AL                   | Capacity control                               | variable <sup>(AM)</sup> |                                                         |
| AO                   | Sound power level for cooling (indoor/outdoor) | L <sub>WA</sub>          | - / 81,0 dB                                             |
| AP                   | Sound power level for heating(indoor/outdoor)  | L <sub>WA</sub>          | - / 83,0 dB                                             |
| AQ                   | Emissions of nitrogen oxides (if applicable)   | Nox (***)                | N/A mg/kWh fuel input GCV <sup>(AR)</sup>               |
| AT                   | GWP of the refrigerant                         |                          | 2087,5 kgCO <sub>2</sub> eq (100 years) <sup>(AU)</sup> |

| Item <sup>(1))</sup> | Symbol <sup>(1)</sup>                                                                       | Value <sup>(1)</sup> | Unit <sup>(1)</sup> |
|----------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|
| N                    | Seasonal space cooling energy efficiency                                                    | η <sub>sc</sub>      | 249,0 %             |
| P                    | Declared energy efficiency ratio for part load at given outdoor temperatures T <sub>j</sub> |                      |                     |
| -                    | T <sub>j</sub> = 35 °C                                                                      | EER <sub>d</sub>     | 2,3 -               |
|                      | T <sub>j</sub> = 30 °C                                                                      | EER <sub>d</sub>     | 4,0 -               |
|                      | T <sub>j</sub> = 25 °C                                                                      | EER <sub>d</sub>     | 7,2 -               |
|                      | T <sub>j</sub> = 20 °C                                                                      | EER <sub>d</sub>     | 17,8 -              |

|                                                     |                       |                 |          |
|-----------------------------------------------------|-----------------------|-----------------|----------|
| Power consumption in modes other than 'active mode' |                       |                 |          |
| AI                                                  | Crankcase heater mode | P <sub>ck</sub> | 0,000 kW |
| AJ                                                  | Standby mode          | P <sub>SB</sub> | 0,030 kW |

| Item <sup>(1))</sup> | Symbol <sup>(1)</sup>                                                                                                     | Value <sup>(1)</sup> | Unit <sup>(1)</sup> |
|----------------------|---------------------------------------------------------------------------------------------------------------------------|----------------------|---------------------|
| S                    | Seasonal space heating energy efficiency                                                                                  | η <sub>sh</sub>      | 165,0 %             |
| U                    | Declared coefficient of performance* / Average season, at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                      |                     |
| -                    | T <sub>j</sub> = - 7 °C                                                                                                   | COP <sub>d</sub>     | 2,5 -               |
|                      | T <sub>j</sub> = 2 °C                                                                                                     | COP <sub>d</sub>     | 4,0 -               |
|                      | T <sub>j</sub> = 7 °C                                                                                                     | COP <sub>d</sub>     | 6,2 -               |
|                      | T <sub>j</sub> = 12 °C                                                                                                    | COP <sub>d</sub>     | 6,6 -               |
| V                    | T <sub>j</sub> = bivalent temperature                                                                                     | COP <sub>d</sub>     | 2,2 -               |
| W                    | T <sub>j</sub> = operating limit                                                                                          | COP <sub>d</sub>     | 1,9 -               |
| Y                    | For water-to-air heat pumps: T <sub>j</sub> = -15°C (if T <sub>OL</sub> < -20°C)                                          | COP <sub>d</sub>     | N/A -               |
| AA                   | For water-to-air heat pumps: Operation limit temperature                                                                  | T <sub>ol</sub>      | N/A °C              |

|                      |                          |                 |          |
|----------------------|--------------------------|-----------------|----------|
| Supplementary heater |                          |                 |          |
| AF                   | Back-up heating capacity | elbu            | N/A kW   |
| AH                   | Type of energy input     |                 |          |
| AJ                   | Standby mode             | P <sub>SB</sub> | 0,030 kW |

| Item <sup>(1))</sup> | Symbol <sup>(1)</sup>                                                                           | Value <sup>(1)</sup> | Unit <sup>(1)</sup>     |
|----------------------|-------------------------------------------------------------------------------------------------|----------------------|-------------------------|
| AK                   | Other items                                                                                     |                      |                         |
| AN                   | For air-to-air heat pumps/air conditioners : air flow rate, outdoor measured                    | -                    | 18180 m <sup>3</sup> /h |
| AS                   | For water/brine-to air heat pumps: Rated brined or water flow rate, outdoor side heat exchanger | -                    | N/A m <sup>3</sup> /h   |

|    |                 |                                                                                                                                                                                                                          |  |
|----|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| AV | Contact details | Samsung, PO Box 12987, Blackrock, Co. Dublin. IE or Euro QA Lab. Saxony Way, Yateley, Hampshire GU46 6GG, UK<br>Samsung Türkiye Merkez Ofis, Flatofis İstanbul İş Merkezi Otakçılar Caddesi No: 78 Kat 3 No: B3 İstanbul |  |
|----|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|

AW \*\*= If Cd is not determined by measurement then the default degradation coefficient shall be 0,25.

AX \*\*\* From 26 September 2018.

AY Where information relates to multi-split, the test result and performance data may be obtained on the basis of the performance of the out-door unit, with a combination of indoor unit(s) recommended by manufacturer or importer.

AZ For multi-split heat pumps/air conditioners, a list of appropriate indoor units: AMXXXXNxDXX, AMXXXXNXPXX, AMXXXXNFXFX

BA If you are a professional looking for information on non-destructive disassembly, dismantling and battery removability, please send an email to: erims.sec@samsung.com.

# COMMISSION REGULATION (EU) No 2016/2281 <sup>1)</sup>

## ECODESIGN REQUIREMENTS FOR heat pumps/air conditioners <sup>1)</sup>

### Information requirements <sup>1)</sup>

|   |                                                                                                                                                     |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| A | Information to identify the model(s) to which the information relates : AM180AXVDGH                                                                 |
| B | Outdoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                      |
| C | Indoor side heat exchanger of heat pump/air conditioners: [select which: air/water/brine] Air                                                       |
| D | Indication if the heater is equipped with a supplementary heater: No                                                                                |
| E | Type: [compressor driven vapour compression or sorption process] Compressor driven vapour compression                                               |
| F | If applicable: driver of compressor: [electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine] Electric motor |
| G | Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.                     |

| Item <sup>(1)</sup> | Symbol <sup>(1)</sup>                                                                                           | Value <sup>(2)</sup> | Unit <sup>(3)</sup> |
|---------------------|-----------------------------------------------------------------------------------------------------------------|----------------------|---------------------|
| L                   | Rated cooling capacity                                                                                          | $P_{rated,c}^{(M)}$  | 50,4 kW             |
| O                   | Declared cooling capacity for part load at given outdoor temperatures $T_j$ and indoor 27°C/19°C (dry/wet bulb) |                      |                     |
| -                   | $T_j = 35\text{ °C}$                                                                                            | $P_{dc}$             | 50,4 kW             |
|                     | $T_j = 30\text{ °C}$                                                                                            | $P_{dc}$             | 37,3 kW             |
|                     | $T_j = 25\text{ °C}$                                                                                            | $P_{dc}$             | 23,7 kW             |
|                     | $T_j = 20\text{ °C}$                                                                                            | $P_{dc}$             | 10,6 kW             |
| Q                   | Degradation co-efficient for air conditioners(**)                                                               | $C_{dc}$             | 0,25 -              |
| AC                  | Power consumption in modes other than 'active mode'                                                             |                      |                     |
| AE                  | Off mode                                                                                                        | $P_{OFF}$            | 0,030 kW            |
| AG                  | Thermostat-off mode                                                                                             | $P_{TO}$             | 0,000 kW            |

| Item <sup>(1)</sup> | Symbol <sup>(1)</sup>                                                                             | Value <sup>(2)</sup> | Unit <sup>(3)</sup> |
|---------------------|---------------------------------------------------------------------------------------------------|----------------------|---------------------|
| R                   | Rated heating capacity                                                                            | $P_{rated,h}$        | 50,4 kW             |
| T                   | Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature $T_j$ |                      |                     |
| -                   | $T_j = -7\text{ °C}$                                                                              | $P_{dh}$             | 23,3 kW             |
|                     | $T_j = 2\text{ °C}$                                                                               | $P_{dh}$             | 14,3 kW             |
|                     | $T_j = 7\text{ °C}$                                                                               | $P_{dh}$             | 9,3 kW              |
|                     | $T_j = 12\text{ °C}$                                                                              | $P_{dh}$             | 4,0 kW              |
| V                   | $T_{biv}$ = bivalent temperature                                                                  | $P_{dh}$             | 26,5 kW             |
| W                   | $T_{OL}$ = operating limit                                                                        | $P_{dh}$             | 30,2 kW             |
| X                   | For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$ )                 | $P_{dh}$             | N/A kW              |
| Z                   | Bivalent temperature                                                                              | $T_{biv}$            | -10 °C              |
| AB                  | Degradation co-efficient heat pumps(**)                                                           | $C_{dh}$             | 0,25 -              |

|    |                                                     |           |          |
|----|-----------------------------------------------------|-----------|----------|
| AC | Power consumption in modes other than 'active mode' |           |          |
| AE | Off mode                                            | $P_{OFF}$ | 0,030 kW |
| AG | Thermostat-off mode                                 | $P_{TO}$  | 0,030 kW |
| AI | Crankcase heater mode                               | $P_{CK}$  | 0,062 kW |

| AK | Other items                                    |                          |                                                         |
|----|------------------------------------------------|--------------------------|---------------------------------------------------------|
| AL | Capacity control                               | variable <sup>(AM)</sup> |                                                         |
| AO | Sound power level for cooling (indoor/outdoor) | $L_{WA}$                 | - / 83,0 dB                                             |
| AP | Sound power level for heating(indoor/outdoor)  | $L_{WA}$                 | - / 86,0 dB                                             |
| AQ | Emissions of nitrogen oxides (if applicable)   | Nox (***)                | N/A mg/kWh fuel input GCV <sup>(AR)</sup>               |
| AT | GWP of the refrigerant                         |                          | 2087,5 kgCO <sub>2</sub> eq (100 years) <sup>(AU)</sup> |

| Item <sup>(1)</sup> | Symbol <sup>(1)</sup>                                                              | Value <sup>(2)</sup> | Unit <sup>(3)</sup> |
|---------------------|------------------------------------------------------------------------------------|----------------------|---------------------|
| N                   | Seasonal space cooling energy efficiency                                           | $\eta_{s,c}$         | 233,0 %             |
| P                   | Declared energy efficiency ratio for part load at given outdoor temperatures $T_j$ |                      |                     |
| -                   | $T_j = 35\text{ °C}$                                                               | $EER_d$              | 2,1 -               |
|                     | $T_j = 30\text{ °C}$                                                               | $EER_d$              | 3,7 -               |
|                     | $T_j = 25\text{ °C}$                                                               | $EER_d$              | 6,7 -               |
|                     | $T_j = 20\text{ °C}$                                                               | $EER_d$              | 17,8 -              |

|    |                                                     |          |          |
|----|-----------------------------------------------------|----------|----------|
| AC | Power consumption in modes other than 'active mode' |          |          |
| AI | Crankcase heater mode                               | $P_{ck}$ | 0,000 kW |
| AJ | Standby mode                                        | $P_{SB}$ | 0,030 kW |

| Item <sup>(1)</sup> | Symbol <sup>(1)</sup>                                                                                            | Value <sup>(2)</sup> | Unit <sup>(3)</sup> |
|---------------------|------------------------------------------------------------------------------------------------------------------|----------------------|---------------------|
| S                   | Seasonal space heating energy efficiency                                                                         | $\eta_{s,h}$         | 161,0 %             |
| U                   | Declared coefficient of performance* / Average season, at indoor temperature 20 °C and outdoor temperature $T_j$ |                      |                     |
| -                   | $T_j = -7\text{ °C}$                                                                                             | $COP_d$              | 2,5 -               |
|                     | $T_j = 2\text{ °C}$                                                                                              | $COP_d$              | 3,8 -               |
|                     | $T_j = 7\text{ °C}$                                                                                              | $COP_d$              | 6,2 -               |
|                     | $T_j = 12\text{ °C}$                                                                                             | $COP_d$              | 6,7 -               |
| V                   | $T_j$ = bivalent temperature                                                                                     | $COP_d$              | 2,2 -               |
| W                   | $T_j$ = operating limit                                                                                          | $COP_d$              | 1,9 -               |
| Y                   | For water-to-air heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$ )                                | $COP_d$              | N/A -               |
| AA                  | For water-to-air heat pumps: Operation limit temperature                                                         | $T_{ol}$             | N/A °C              |

|    |                          |           |          |
|----|--------------------------|-----------|----------|
| AD | Supplementary heater     |           |          |
| AF | Back-up heating capacity | $el_{bu}$ | N/A kW   |
| AH | Type of energy input     |           |          |
| AJ | Standby mode             | $P_{SB}$  | 0,030 kW |

| AK | Other items                                                                                     |   |                         |
|----|-------------------------------------------------------------------------------------------------|---|-------------------------|
| AN | For air-to-air heat pumps/air conditioners : air flow rate, outdoor measured                    | - | 19440 m <sup>3</sup> /h |
| AS | For water/brine-to air heat pumps: Rated brined or water flow rate, outdoor side heat exchanger | - | N/A m <sup>3</sup> /h   |

|    |                 |                                                                                                                                                                                                                          |
|----|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AV | Contact details | Samsung, PO Box 12987, Blackrock, Co. Dublin. IE or Euro QA Lab. Saxony Way, Yateley, Hampshire GU46 6GG, UK<br>Samsung Türkiye Merkez Ofis, Flatofis İstanbul İş Merkezi Otakçılar Caddesi No: 78 Kat 3 No: B3 İstanbul |
|----|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

AW \*\*= If Cd is not determined by measurement then the default degradation coefficient shall be 0,25.

AX \*\*\* From 26 September 2018.

AY Where information relates to multi-split, the test result and performance data may be obtained on the basis of the performance of the out-door unit, with a combination of indoor unit(s) recommended by manufacturer or importer.

AZ For multi-split heat pumps/air conditioners, a list of appropriate indoor units: AM\*\*\*\*\*D\*\*, AM\*\*\*\*\*P\*\*, AM\*\*\*\*\*F\*\*

BA If you are a professional looking for information on non-destructive disassembly, dismantling and battery removability, please send an email to: erims.sec@samsung.com.



| No   | English(EN)                                                                                                                                                                                                                        | Spanish (ES)                                                                                                                                                                                                                                                                        | French (FR)                                                                                                                                                                                                                                                                                                     |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| I)   | COMMISSION REGULATION (EU) No 2016/2281                                                                                                                                                                                            | REGLAMENTO DE LA COMISIÓN (UE) N° 2016/2281                                                                                                                                                                                                                                         | RÈGLEMENT DE LA COMMISSION (UE) N° 2016/2281                                                                                                                                                                                                                                                                    |
| II)  | ECODESIGN REQUIREMENTS FOR heat pumps/air conditioners                                                                                                                                                                             | REQUISITOS DE ECODESIGN PARA bombas de calor y aires acondicionados                                                                                                                                                                                                                 | EXIGENCES D'ÉCO-DESIGN POUR les pompes à chaleur/climatiseurs                                                                                                                                                                                                                                                   |
| III) | Information requirements                                                                                                                                                                                                           | Requisitos de información                                                                                                                                                                                                                                                           | Exigences d'informations                                                                                                                                                                                                                                                                                        |
| A    | Information to identify the model(s) to which the information relates :                                                                                                                                                            | Datos para identificar los modelos a los que se refiere la información:                                                                                                                                                                                                             | Informations pour identifier le(s) modèle(s) correspondant(s) aux informations :                                                                                                                                                                                                                                |
| B    | Outdoor side heat exchanger of heat pump/air conditioners:<br>(select which: air/water/brine)                                                                                                                                      | Intercambiador de calor lateral exterior de la bomba de calor o aire acondicionado:<br>(seleccionar uno: aire/agua/agua salada)                                                                                                                                                     | Échangeur de chaleur du côté extérieur de la pompe à chaleur/<br>climatiseurs : (sélectionner : air / eau / saumure)                                                                                                                                                                                            |
| C    | Indoor side heat exchanger of heat pump/air conditioners:<br>(select which: air/water/brine)                                                                                                                                       | Intercambiador de calor lateral interior de la bomba de calor o aire acondicionado:<br>(seleccionar uno: aire/agua/agua salada)                                                                                                                                                     | Échangeur de chaleur du côté intérieur de la pompe à chaleur/<br>climatiseurs : (sélectionner : air / eau / saumure)                                                                                                                                                                                            |
| D    | Indication if the heater is equipped with a supplementary heater: yes/no                                                                                                                                                           | Indicación de si el calentador está equipado con un calentador complementario: sí/no                                                                                                                                                                                                | Indication si le réchauffeur est équipé d'un réchauffeur supplémentaire : oui / non                                                                                                                                                                                                                             |
| E    | Type: [compressor driven vapour compression or sorption process]                                                                                                                                                                   | Tipo: [proceso de adsorción o compresión de vapor impulsada por compresor]                                                                                                                                                                                                          | Type : [compression par vapeur du compresseur ou processus de sorption]                                                                                                                                                                                                                                         |
| F    | If applicable: driver of compressor: [electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine]                                                                                               | Si es aplicable: impulsor del compresor: [motor eléctrico o de combustible, combustible gaseoso o líquido, motor de combustión interno o externo]                                                                                                                                   | Le cas échéant : mandrin du compresseur : [moteur électrique ou au carburant, carburant liquide ou gazeux, moteur de combustion interne ou externe]                                                                                                                                                             |
| G    | Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.                                                                                                    | Es obligatorio declarar los parámetros para la temporada de calefacción media, y es opcional declarar los parámetros para las temporadas de calefacción más cálida y más fría.                                                                                                      | Les paramètres doivent être déclarés pour la saison moyenne de chauffage, les paramètres pour les saisons plus chaudes et plus froides sont facultatifs.                                                                                                                                                        |
| H    | Item                                                                                                                                                                                                                               | Elemento                                                                                                                                                                                                                                                                            | Élément                                                                                                                                                                                                                                                                                                         |
| I    | Symbol                                                                                                                                                                                                                             | Símbolo                                                                                                                                                                                                                                                                             | Symbole                                                                                                                                                                                                                                                                                                         |
| J    | Value                                                                                                                                                                                                                              | Valor                                                                                                                                                                                                                                                                               | Valeur                                                                                                                                                                                                                                                                                                          |
| K    | Unit                                                                                                                                                                                                                               | Unidad                                                                                                                                                                                                                                                                              | Unité                                                                                                                                                                                                                                                                                                           |
| L    | Rated cooling capacity                                                                                                                                                                                                             | Capacidad de refrigeración nominal                                                                                                                                                                                                                                                  | Capacité nominale de refroidissement                                                                                                                                                                                                                                                                            |
| M    | $P_{rated,c}$                                                                                                                                                                                                                      | $P_{nominal,c}$                                                                                                                                                                                                                                                                     | $P_{nominale,c}$                                                                                                                                                                                                                                                                                                |
| N    | Seasonal space cooling energy efficiency                                                                                                                                                                                           | Eficiencia energética estacional de refrigeración de espacios                                                                                                                                                                                                                       | Efficacité énergétique saisonnière pour le refroidissement des locaux                                                                                                                                                                                                                                           |
| O    | Declared cooling capacity for part load at given outdoor temperatures $T_j$ and indoor $27^{\circ}\text{C}/19^{\circ}\text{R}$ (dry/wet bulb)                                                                                      | Capacidad de refrigeración declarada para carga parcial a temperaturas exteriores determinadas $T_j$ e interiores de $27^{\circ}\text{C}/19^{\circ}\text{C}$ (bulbo seco/húmedo)                                                                                                    | Capacité de refroidissement déclarée pour une charge partielle à des températures extérieures données $T_j$ et des températures intérieures données $27^{\circ}\text{C}/19^{\circ}\text{C}$ (bulbe humide / sec)                                                                                                |
| P    | Declared energy efficiency ratio for part load at given outdoor temperatures $T_j$                                                                                                                                                 | Tasa de eficiencia energética declarada para carga parcial a temperaturas exteriores determinadas $T_j$                                                                                                                                                                             | Taux de rendement énergétique déclaré pour une charge partielle à des températures extérieures données $T_j$                                                                                                                                                                                                    |
| Q    | Degradation co-efficient for air conditioners                                                                                                                                                                                      | Coefficiente de degradación para aires acondicionados                                                                                                                                                                                                                               | Coefficient de dégradation pour les climatiseurs                                                                                                                                                                                                                                                                |
| R    | Rated heating capacity                                                                                                                                                                                                             | Capacidad de calefacción nominal                                                                                                                                                                                                                                                    | Capacité nominale de chauffage                                                                                                                                                                                                                                                                                  |
| S    | Seasonal space heating energy efficiency                                                                                                                                                                                           | Eficiencia energética de calefacción de espacio de temporada                                                                                                                                                                                                                        | Efficacité énergétique du chauffage domestique saisonnier                                                                                                                                                                                                                                                       |
| T    | Declared heating capacity for part load at indoor temperature $20^{\circ}\text{C}$ and outdoor temperature $T_j$                                                                                                                   | Capacidad de calefacción declarada para carga parcial a temperatura interior de $20^{\circ}\text{C}$ y temperatura exterior $T_j$                                                                                                                                                   | Capacité de chauffage déclarée pour une charge partielle à une température intérieure de $20^{\circ}\text{C}$ et une température extérieure $T_j$                                                                                                                                                               |
| U    | Declared coefficient of performance* / Average season, at indoor temperature $20^{\circ}\text{C}$ and outdoor temperature $T_j$                                                                                                    | Coefficiente de rendimiento declarado* / Temporada media, a temperatura interior de $20^{\circ}\text{C}$ y temperatura exterior $T_j$                                                                                                                                               | Saison moyenne / Coefficient de performance déclaré*, à une température intérieure de $20^{\circ}\text{C}$ et une température extérieure $T_j$                                                                                                                                                                  |
| V    | $T_{bw}$ = bivalent temperature                                                                                                                                                                                                    | $T_{bw}$ = temperatura bivalente                                                                                                                                                                                                                                                    | $T_{bw}$ = température bivalente                                                                                                                                                                                                                                                                                |
| W    | $T_{\alpha}$ = operating limit                                                                                                                                                                                                     | $T_{\alpha}$ = límite de funcionamiento                                                                                                                                                                                                                                             | $T_{\alpha}$ = limite d'utilisation                                                                                                                                                                                                                                                                             |
| X    | For air-to-water heat pumps: $T_j = -15^{\circ}\text{C}$ (if $T_{\alpha} < -20^{\circ}\text{C}$ )                                                                                                                                  | Para bombas de calor de aire a agua: $T_j = -15^{\circ}\text{C}$ (si $T_{\alpha} < -20^{\circ}\text{C}$ )                                                                                                                                                                           | Pour les pompes à chaleur air-eau : $T_j = -15^{\circ}\text{C}$ (si $T_{\alpha} < -20^{\circ}\text{C}$ )                                                                                                                                                                                                        |
| Y    | For water-to-air heat pumps: $T_j = -15^{\circ}\text{C}$ (if $T_{\alpha} < -20^{\circ}\text{C}$ )                                                                                                                                  | Para bombas de calor de agua a aire: $T_j = -15^{\circ}\text{C}$ (si $T_{\alpha} < -20^{\circ}\text{C}$ )                                                                                                                                                                           | Pour les pompes à chaleur eau-air : $T_j = -15^{\circ}\text{C}$ (si $T_{\alpha} < -20^{\circ}\text{C}$ )                                                                                                                                                                                                        |
| Z    | Bivalent temperature                                                                                                                                                                                                               | Temperatura bivalente                                                                                                                                                                                                                                                               | Température bivalente                                                                                                                                                                                                                                                                                           |
| AA   | For water-to-air heat pumps: Operation limit temperature                                                                                                                                                                           | Para bombas de calor de agua a aire: temperatura de límite de funcionamiento                                                                                                                                                                                                        | Pour les pompes à chaleur eau-air : température limite d'utilisation                                                                                                                                                                                                                                            |
| AB   | Degradation co-efficient heat pumps (**)                                                                                                                                                                                           | Coefficiente de degradación para bombas de calor (**)                                                                                                                                                                                                                               | Coefficient de dégradation des pompes à chaleur (**)                                                                                                                                                                                                                                                            |
| AC   | Power consumption in modes other than 'active mode'                                                                                                                                                                                | Consumo energético en modos distintos al 'modo activo'                                                                                                                                                                                                                              | Consommation d'énergie en modes autres que le « mode actif »                                                                                                                                                                                                                                                    |
| AD   | Supplementary heater                                                                                                                                                                                                               | Calentador complementario                                                                                                                                                                                                                                                           | Réchauffeur supplémentaire                                                                                                                                                                                                                                                                                      |
| AE   | Off mode                                                                                                                                                                                                                           | Modo Apagado                                                                                                                                                                                                                                                                        | Mode hors tension                                                                                                                                                                                                                                                                                               |
| AF   | Back-up heating capacity                                                                                                                                                                                                           | Capacidad de calefacción de reserva                                                                                                                                                                                                                                                 | Capacité de chauffage d'appoint                                                                                                                                                                                                                                                                                 |
| AG   | Thermostat-off mode                                                                                                                                                                                                                | Modo Termostato apagado                                                                                                                                                                                                                                                             | Mode thermostat hors tension                                                                                                                                                                                                                                                                                    |
| AH   | Type of energy input                                                                                                                                                                                                               | Tipo de entrada de energía                                                                                                                                                                                                                                                          | Type d'énergie d'entrée                                                                                                                                                                                                                                                                                         |
| AI   | Crankcase heater mode                                                                                                                                                                                                              | Modo Calentador de cárter                                                                                                                                                                                                                                                           | Mode chauffage du carter                                                                                                                                                                                                                                                                                        |
| AJ   | Standby mode                                                                                                                                                                                                                       | Modo Espera                                                                                                                                                                                                                                                                         | Mode veille                                                                                                                                                                                                                                                                                                     |
| AK   | Other items                                                                                                                                                                                                                        | Otros elementos                                                                                                                                                                                                                                                                     | Autres éléments                                                                                                                                                                                                                                                                                                 |
| AL   | Capacity control                                                                                                                                                                                                                   | Control de capacidad                                                                                                                                                                                                                                                                | Contrôle de capacité                                                                                                                                                                                                                                                                                            |
| AM   | fixed/ staged/ variable                                                                                                                                                                                                            | fija/en fases/variable                                                                                                                                                                                                                                                              | fixe / organisé / variable                                                                                                                                                                                                                                                                                      |
| AN   | air flow rate, outdoor measured                                                                                                                                                                                                    | tasa de flujo de aire, volumen exterior medido                                                                                                                                                                                                                                      | débit d'air, extérieur mesuré                                                                                                                                                                                                                                                                                   |
| AO   | Sound power level for cooling mode (indoor/outdoor)                                                                                                                                                                                | Nivel de potencia acústica para el modo de refrigeración (interior/exterior)                                                                                                                                                                                                        | Niveau de puissance sonore pour le mode de refroidissement (intérieur/extérieur)                                                                                                                                                                                                                                |
| AP   | Sound power level for heating mode (indoor/outdoor)                                                                                                                                                                                | Nivel de potencia acústica para el modo de calefacción (interior/exterior)                                                                                                                                                                                                          | Niveau de puissance sonore (intérieur/extérieur)                                                                                                                                                                                                                                                                |
| AQ   | Emissions of nitrogen oxides (if applicable)                                                                                                                                                                                       | Emisiones de óxido de nitrógeno (si es aplicable)                                                                                                                                                                                                                                   | Émission d'oxydes d'azote (le cas échéant)                                                                                                                                                                                                                                                                      |
| AR   | mg/kWh fuel input GCV                                                                                                                                                                                                              | mg/kWh de entrada de combustible GCV                                                                                                                                                                                                                                                | Pouvoir calorifique supérieur (GCV) du carburant utilisé mg/kWh                                                                                                                                                                                                                                                 |
| AS   | For water/brine-to air heat pumps: Rated brined or water flow rate, outdoor side heat exchanger                                                                                                                                    | Para bombas de calor de agua/agua salada a aire: Velocidad de circulación del agua o agua salada, intercambiador de calor lateral exterior                                                                                                                                          | Pour les pompes à chaleur eau/saumure-air : Débit d'écoulement nominal de l'eau ou de la saumure, échangeur de chaleur du côté extérieur                                                                                                                                                                        |
| AT   | GWP of the refrigerant                                                                                                                                                                                                             | GWP del refrigerante                                                                                                                                                                                                                                                                | Potentiel de réchauffement de la planète (GWP) du réfrigérant                                                                                                                                                                                                                                                   |
| AU   | kgCO <sub>2</sub> eq (100 years)                                                                                                                                                                                                   | kgCO <sub>2</sub> eq (100 años)                                                                                                                                                                                                                                                     | kgCO <sub>2</sub> eq (100 ans)                                                                                                                                                                                                                                                                                  |
| AV   | Contact details                                                                                                                                                                                                                    | Datos de contacto                                                                                                                                                                                                                                                                   | Coordonnées de contact                                                                                                                                                                                                                                                                                          |
| AW   | ***= If Cd is not determined by measurement then the default degradation coefficient shall be 0,25.                                                                                                                                | *** = Si Cd n'est pas déterminé par les mesures, alors le coefficient de dégradation doit être de 0,25.                                                                                                                                                                             | *** = Si Cd n'est pas déterminé par les mesures, alors le coefficient de dégradation par défaut des pompes à chaleur doit être de 0,25.                                                                                                                                                                         |
| AX   | *** From 26 September 2018.                                                                                                                                                                                                        | *** A partir del 26 de septiembre de 2018.                                                                                                                                                                                                                                          | *** À partir du 26 septembre 2018.                                                                                                                                                                                                                                                                              |
| AY   | Where information relates to multi-split, the test result and performance data may be obtained on the basis of the performance of the out-door unit, with a combination of indoor unit(s) recommended by manufacturer or importer. | Cuando los datos se refieren a bombas de calor multi-split, el resultado de la prueba y los datos del rendimiento se pueden obtener sobre la base del rendimiento de la unidad exterior, con una combinación de unidades interiores recomendadas por el fabricante o el importador. | Lorsque les informations font référence aux pompes à chaleur multi-split, le résultat du test et les données de performance peuvent être obtenus sur la base de la performance de l'unité extérieure, avec une combinaison de l'unité / des unités intérieure(s) recommandée par le fabricant ou l'importateur. |
| AZ   | For multi-split, a list of appropriate indoor units:                                                                                                                                                                               | Con las bombas de calor multi-split se pueden usar las siguientes unidades interiores:                                                                                                                                                                                              | Avec les pompes à chaleur multi-split, il est possible d'utiliser les unités extérieures suivantes :                                                                                                                                                                                                            |



| No   | Italian (IT)                                                                                                                                                                                                                                                                         | Portuguese (PT)                                                                                                                                                                                                                                                       | German (DE)                                                                                                                                                                                                                                                 |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| I)   | REGOLAMENTO DELLA COMMISSIONE (EU) N. 2016/2281                                                                                                                                                                                                                                      | REGULAMENTO (UE) N.º 2016/2281 DA COMISSÃO                                                                                                                                                                                                                            | EU-VERORDNUNG Nr. 2016/2281 DER KOMMISSION                                                                                                                                                                                                                  |
| II)  | REQUISITI DI ECODESIGN PER le pompe di calore/i condizionatori d'aria                                                                                                                                                                                                                | REQUISITOS DE CONCEÇÃO ECOLÓGICA PARA bombas de calor/ares condicionados                                                                                                                                                                                              | ÖKODESIGN-ANFORDERUNGEN FÜR Wärmepumpen/Klimaanlagen                                                                                                                                                                                                        |
| III) | Requisiti di informazione                                                                                                                                                                                                                                                            | Requisitos de informação                                                                                                                                                                                                                                              | Informationsanforderungen                                                                                                                                                                                                                                   |
| A    | Informazioni per identificare il (i) modello (i) cui si riferiscono le informazioni:                                                                                                                                                                                                 | Parâmetros identificativos do(s) modelo(s) a que se refere a informação:                                                                                                                                                                                              | Informationen zur Identifikation des Modells/der Modelle, auf das bzw. die sich die Informationen beziehen:                                                                                                                                                 |
| B    | Lato esterno scambiatore di calore della pompa di calore/dei condizionatori d'aria: [selezionare quale: aria/acqua/acqua marina]                                                                                                                                                     | Permutador térmico exterior da bomba de calor/ares condicionados: [selecionar: ar/água/salmoura]                                                                                                                                                                      | Äußerer Wärmetauscher der Wärmepumpe/Klimaanlagen: [bitte auswählen: Luft/Wasser/Lauge]                                                                                                                                                                     |
| C    | Lato interno scambiatore di calore della pompa di calore/dei condizionatori d'aria: [selezionare quale: aria/acqua/acqua marina]                                                                                                                                                     | Permutador térmico interior da bomba de calor/ares condicionados: [selecionar: ar/água/salmoura]                                                                                                                                                                      | Innere Wärmetauscher der Wärmepumpe/Klimaanlagen: [bitte auswählen: Luft/Wasser/Lauge]                                                                                                                                                                      |
| D    | Indicazione se il riscaldatore è dotato di un riscaldatore supplementare: sì/no                                                                                                                                                                                                      | Indicar se o aquecedor está equipado com um aquecedor suplementar: sim/não                                                                                                                                                                                            | Anzeige, ob die Heizung mit einer Zusatzheizung ausgestattet ist: ja/nein                                                                                                                                                                                   |
| E    | Tipo: [compressione di vapore o processo di assorbimento a compressore]                                                                                                                                                                                                              | Tipo: [compressor driven vapour compression or sorption process]                                                                                                                                                                                                      | Typ: [kompressorbetriebenes Dampfkompansions- oder Sorptionsverfahren]                                                                                                                                                                                      |
| F    | Se applicabile: conduttore del compressore: [motore elettrico o a combustibile, combustibile gassoso o liquido, motore a combustione interno o esterno]                                                                                                                              | Se aplicável: motor do compressor: [motor elétrico ou combustível, combustível gasoso ou líquido, motor de combustão interna ou externa]                                                                                                                              | Sofern vorhanden: Treiber des Kompressors: [elektrischer Motor oder kraftstoffbetrieben, gasförmiger oder flüssiger Kraftstoff, interner oder externer Verbrennungsmotor]                                                                                   |
| G    | I parametri devono essere dichiarati per la stagione media di riscaldamento, i parametri per le stagioni di riscaldamento più calde e fredde sono facoltativi.                                                                                                                       | Devem ser declarados os parâmetros para a estação de aquecimento média, sendo facultativa a declaração dos parâmetros para as estações de aquecimento mais quentes e mais frias.                                                                                      | Parameter sollen für die durchschnittliche Heizsaison angegeben werden, Parameter für die wärmeren und kälteren Heizsaisons sind optional.                                                                                                                  |
| H    | Elemento                                                                                                                                                                                                                                                                             | Item                                                                                                                                                                                                                                                                  | Teil                                                                                                                                                                                                                                                        |
| I    | Simbolo                                                                                                                                                                                                                                                                              | Símbolo                                                                                                                                                                                                                                                               | Symbol                                                                                                                                                                                                                                                      |
| J    | Valore                                                                                                                                                                                                                                                                               | Valor                                                                                                                                                                                                                                                                 | Wert                                                                                                                                                                                                                                                        |
| K    | Unità                                                                                                                                                                                                                                                                                | Unidade                                                                                                                                                                                                                                                               | Gerät                                                                                                                                                                                                                                                       |
| L    | Capacità nominale di raffreddamento                                                                                                                                                                                                                                                  | Potência de arrefecimento nominal                                                                                                                                                                                                                                     | Nenn-Kühlleistung                                                                                                                                                                                                                                           |
| M    | $P_{nom,alc}$                                                                                                                                                                                                                                                                        | $P_{rated,c}$                                                                                                                                                                                                                                                         | $P_{rated,c}$                                                                                                                                                                                                                                               |
| N    | Efficienza energetica stagionale del raffreddamento d'ambiente                                                                                                                                                                                                                       | Eficiência energética sazonal de arrefecimento ambiente                                                                                                                                                                                                               | Raumkühlungs-Jahresnutzungsgrad                                                                                                                                                                                                                             |
| O    | Capacità di raffreddamento dichiarata per carico parziale a determinate temperature esterne T <sub>j</sub> e interne 27°C /19°C (bulbo secco/ bulbo umido)                                                                                                                           | Potência de arrefecimento declarada para carga parcial a uma temperatura exterior T <sub>j</sub> e uma temperatura interior de 27 °C/19 °C (termómetro seco/húmido)                                                                                                   | Ausgewiesene Kühlleistung für Teillast bei bestimmten Außentemperaturen T <sub>j</sub> und innen 27°C/19°C (trocken/feucht)                                                                                                                                 |
| P    | Rapporto di efficienza energetica dichiarato per carico parziale a determinate temperature esterne T <sub>j</sub>                                                                                                                                                                    | Coefficiente eficiência declarado para carga parcial a determinadas temperaturas exteriores T <sub>j</sub>                                                                                                                                                            | Ausgewiesener Energiewirkungsgrad für Teillast bei bestimmten Außentemperaturen T <sub>j</sub>                                                                                                                                                              |
| Q    | Coefficiente di degradazione per i condizionatori d'aria                                                                                                                                                                                                                             | Coefficiente de degradação para ar condicionados                                                                                                                                                                                                                      | Degradierungskoeffizient für Klimaanlage                                                                                                                                                                                                                    |
| R    | Capacità nominale di riscaldamento                                                                                                                                                                                                                                                   | Capacidade de aquecimento nominal                                                                                                                                                                                                                                     | Nenn-Wärmeleistung                                                                                                                                                                                                                                          |
| S    | Efficienza energetica stagionale di riscaldamento dello spazio                                                                                                                                                                                                                       | Eficiência energética sazonal de aquecimento ambiente                                                                                                                                                                                                                 | Jahreszeitbedingte Energieeffizienz der Raumheizung                                                                                                                                                                                                         |
| T    | Capacità di riscaldamento dichiarata per carico parziale a temperatura interna di 20 °C e temperatura esterna T <sub>j</sub>                                                                                                                                                         | Potência de aquecimento declarada para carga parcial a temperatura interior de 20 °C e temperatura exterior T <sub>j</sub>                                                                                                                                            | Ausgewiesene Wärmeleistung für Teillast bei einer Innentemperatur von 20 °C und der Außentemperatur T <sub>j</sub>                                                                                                                                          |
| U    | Coefficiente di prestazione dichiarato* / Stagione media, a temperatura interna di 20 °C e temperatura esterna T <sub>j</sub>                                                                                                                                                        | Coefficiente de desempenho declarado* / Período médio a temperatura interior de 20 °C e temperatura exterior T <sub>j</sub>                                                                                                                                           | Ausgewiesener Leistungskoeffizient* / Durchschnittssaison bei einer Innentemperatur von 20 °C und der Außentemperatur T <sub>j</sub>                                                                                                                        |
| V    | T <sub>bw</sub> = temperatura bivalente                                                                                                                                                                                                                                              | T <sub>bw</sub> = temperatura bivalente                                                                                                                                                                                                                               | T <sub>bw</sub> = bivalente Temperatur                                                                                                                                                                                                                      |
| W    | T <sub>0L</sub> = limiti operativi                                                                                                                                                                                                                                                   | T <sub>0L</sub> = limite de funcionamento                                                                                                                                                                                                                             | T <sub>0L</sub> = Betriebsgrenze                                                                                                                                                                                                                            |
| X    | Per le pompe di calore aria-acqua: T <sub>j</sub> = -15°C (se T <sub>0L</sub> < -20°C)                                                                                                                                                                                               | Para bombas de calor ar-água: T <sub>j</sub> = -15 °C (se T <sub>0L</sub> < -20 °C)                                                                                                                                                                                   | Für Luft-Wasser-Wärmepumpen: T <sub>j</sub> = -15°C (wenn T <sub>0L</sub> < -20°C)                                                                                                                                                                          |
| Y    | Per le pompe di calore acqua-aria: T <sub>j</sub> = -15°C (se T <sub>0L</sub> < -20°C)                                                                                                                                                                                               | Para bombas de calor água-ar: T <sub>j</sub> = -15 °C (se T <sub>0L</sub> < -20 °C)                                                                                                                                                                                   | Für Wasser-Luft-Wärmepumpen: T <sub>j</sub> = -15°C (wenn T <sub>0L</sub> < -20°C)                                                                                                                                                                          |
| Z    | Temperatura bivalente                                                                                                                                                                                                                                                                | Temperatura bivalente                                                                                                                                                                                                                                                 | Bivalente Temperatur                                                                                                                                                                                                                                        |
| AA   | Per le pompe di calore aria-acqua: Temperatura limiti operativi                                                                                                                                                                                                                      | Para bombas de calor ar-água: temperatura de limite de funcionamento                                                                                                                                                                                                  | Für Luft-Wasser-Wärmepumpen: Betriebsgrenztemperatur                                                                                                                                                                                                        |
| AB   | Coefficiente di degradazione delle pompe di calore (**)                                                                                                                                                                                                                              | Coefficiente de degradação das bombas de calor (**)                                                                                                                                                                                                                   | Degradierungskoeffizient Wärmepumpen (**)                                                                                                                                                                                                                   |
| AC   | Consumo di energia in modalità diverse da 'modalità attiva'                                                                                                                                                                                                                          | Consumo energético em modos distintos do 'modo ativo'                                                                                                                                                                                                                 | Stromverbrauch in anderen Modi als dem "aktiven Modus"                                                                                                                                                                                                      |
| AD   | Riscaldatore supplementare                                                                                                                                                                                                                                                           | Aquecedor suplementar                                                                                                                                                                                                                                                 | Zusatzheizung                                                                                                                                                                                                                                               |
| AE   | Modalità off                                                                                                                                                                                                                                                                         | Modo desligado                                                                                                                                                                                                                                                        | Ausgeschalteter Modus                                                                                                                                                                                                                                       |
| AF   | Capacità di riscaldamento di back-up                                                                                                                                                                                                                                                 | Potência de aquecimento de apoio                                                                                                                                                                                                                                      | Backup-Heizleistung                                                                                                                                                                                                                                         |
| AG   | Modalità termostato-off                                                                                                                                                                                                                                                              | Modo de termostato desligado                                                                                                                                                                                                                                          | Modus mit ausgeschaltetem Thermostat                                                                                                                                                                                                                        |
| AH   | Tipologia di energia di ingresso                                                                                                                                                                                                                                                     | Tipo de alimentação de energia                                                                                                                                                                                                                                        | Art der Energiezufuhr                                                                                                                                                                                                                                       |
| AI   | Modalità riscaldatore carter                                                                                                                                                                                                                                                         | Modo de resistência do cárter                                                                                                                                                                                                                                         | Kurbelgehäuse-Heizmodus                                                                                                                                                                                                                                     |
| AJ   | Modalità standby                                                                                                                                                                                                                                                                     | Modo espera                                                                                                                                                                                                                                                           | Standby-Modus                                                                                                                                                                                                                                               |
| AK   | Altri elementi                                                                                                                                                                                                                                                                       | Outros parâmetros                                                                                                                                                                                                                                                     | Weitere Teile                                                                                                                                                                                                                                               |
| AL   | Controllo della capacità                                                                                                                                                                                                                                                             | Regulação da potência                                                                                                                                                                                                                                                 | Leistungsregelung                                                                                                                                                                                                                                           |
| AM   | fisso/ progressivo / variabile                                                                                                                                                                                                                                                       | fixa/faseada/variável                                                                                                                                                                                                                                                 | fest/ stufenweise/ wechslend                                                                                                                                                                                                                                |
| AN   | portata aria, misurazione esterna                                                                                                                                                                                                                                                    | débito de ar, medido no exterior                                                                                                                                                                                                                                      | Luftstrom, außen gemessen                                                                                                                                                                                                                                   |
| AO   | Livello di potenza sonora per modalità di raffreddamento (interno/esterno)                                                                                                                                                                                                           | Nível de potência sonora para o modo de arrefecimento (interior/exterior)                                                                                                                                                                                             | Schallleistungspegel für Kühlmodus (Innen-/Außengerät)                                                                                                                                                                                                      |
| AP   | Livello di potenza sonora per modalità di riscaldamento (interno/esterno)                                                                                                                                                                                                            | Nível de potência sonora para o modo de aquecimento (interior/exterior)                                                                                                                                                                                               | Schallleistungspegel für Heizmodus (Innen-/Außengerät)                                                                                                                                                                                                      |
| AQ   | Emissioni di ossido di azoto (se applicabile)                                                                                                                                                                                                                                        | Emissões de óxidos de azoto (se aplicável)                                                                                                                                                                                                                            | Emissionen von Stickoxiden (sofern vorhanden)                                                                                                                                                                                                               |
| AR   | mg/kWh input del combustibile GCV                                                                                                                                                                                                                                                    | mg/kWh de combustível de entrada (PCS)                                                                                                                                                                                                                                | mg/kWh Brennstoffzufuhr GCV                                                                                                                                                                                                                                 |
| AS   | Per le pompe di calore acqua/marina-aria: Portata nominale di acqua salata o acqua, scambiatore esterno lato esterno                                                                                                                                                                 | Para bombas de calor água/salmoura-ar: Débito nominal de salmoura ou água, permutador térmico exterior                                                                                                                                                                | Für Wasser/Lake-Luft-Wärmepumpen: Nenn-Lake- oder Wasserdurchfluss, äußerer Wärmetauscher                                                                                                                                                                   |
| AT   | GWP del refrigerante                                                                                                                                                                                                                                                                 | PAG do refrigerante                                                                                                                                                                                                                                                   | GWP-Wert des Kältemittels                                                                                                                                                                                                                                   |
| AU   | kgCO <sub>2</sub> eq (100 anni)                                                                                                                                                                                                                                                      | kgCO <sub>2</sub> eq (100 anos)                                                                                                                                                                                                                                       | kgCO <sub>2</sub> eq (100 Jahre)                                                                                                                                                                                                                            |
| AV   | Dettagli di contatto                                                                                                                                                                                                                                                                 | Dados de contacto                                                                                                                                                                                                                                                     | Kontaktinformationen                                                                                                                                                                                                                                        |
| AW   | **= Se il Cd non è determinato dalla misurazione, allora il coefficiente di degradazione predefinito deve essere di 0,25.                                                                                                                                                            | **= Se Cd não for determinado por medição, o coeficiente de degradação predefinido é de 0,25.                                                                                                                                                                         | **= Wenn Cd nicht durch eine Messung bestimmt werden kann, ist der Standard-Degradierungskoeffizient 0,25.                                                                                                                                                  |
| AX   | *** Dal 26 Settembre 2018.                                                                                                                                                                                                                                                           | *** A partir de 26 de setembro de 2018.                                                                                                                                                                                                                               | *** Ab dem 26. September 2018.                                                                                                                                                                                                                              |
| AY   | Se le informazioni riguardano le pompe di calore multisplit, i risultati del test e i dati sulle prestazioni possono essere ottenuti sulla base delle prestazioni dell'unità esterna, con una combinazione della(e) unità interna(e) raccomandata dal produttore o dall'importatore. | Quando a informação diga respeito a bombas de calor multibloco, o resultado do ensaio e os dados de desempenho podem ser obtidos com base no desempenho da unidade exterior, com uma combinação de unidade(s) interior(es) recomendada pelo fabricante ou importador. | Wenn sich Informationen auf Multi-Split-Wärmepumpen beziehen, können Testergebnis und Leistungsdaten auf Basis der Leistung des Außengeräts erhalten werden. Der Hersteller oder Importeur empfiehlt eine Kombination mit einem oder mehreren Innengeräten. |
| AZ   | Le seguenti unità interne possono essere associate ai condizionatori multisplit:                                                                                                                                                                                                     | As unidades interiores seguintes podem ser utilizadas com bombas de calor multibloco:                                                                                                                                                                                 | Bei Multi-Split-Wärmepumpen können folgende Innengeräte verwendet werden:                                                                                                                                                                                   |

| No   | Greek (EL)                                                                                                                                                                                                                                                     | Dutch (NL)                                                                                                                                                                                                                                                                           | Polish (PL)                                                                                                                                                                                                                                                                 |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| I)   | KANONΙΣΜΟΣ (EE) 2016/2281 ΤΗΣ ΕΠΙΤΡΟΠΗΣ                                                                                                                                                                                                                        | COMMISSIE VERORDENING (EU) Nr. 2016/2281                                                                                                                                                                                                                                             | ROZPORZĄDZENIE KOMISJI (UE) Nr. 2016/2281                                                                                                                                                                                                                                   |
| II)  | ΑΠΑΙΤΗΣΕΙΣ ΟΙΚΟΛΟΓΙΚΟΥ ΣΧΕΔΙΑΣΜΟΥ ΓΙΑ αντλίες θερμότητας/κλιματιστικά                                                                                                                                                                                          | VEREISTEN VOOR ECOLOGISCH ONTWERP VOOR warmtepompen/airconditioners                                                                                                                                                                                                                  | WYMOGI DOTYCZĄCE EKOPROJEKTU W PRZYPADKU pomp ciepła/klimatyzatorów                                                                                                                                                                                                         |
| III) | Απαιτήσεις για πληροφορίες                                                                                                                                                                                                                                     | Vereisten voor informatie                                                                                                                                                                                                                                                            | Wymagania dotyczące informacji                                                                                                                                                                                                                                              |
| A    | Πληροφορίες για προσδιορισμό των μοντέλων με τα οποία σχετίζονται:                                                                                                                                                                                             | Informatie om te identificeren voor welke modellen de informatie geldt:                                                                                                                                                                                                              | Informacje umożliwiające identyfikację modelu (modelów), do którego odnoszą się informacje:                                                                                                                                                                                 |
| B    | Εναλλάκτης θερμότητας της αντλίας θερμότητας/του κλιματιστικού εξωτερικής πλευράς: [επιλέξτε: αέρα/νερό/αντιψυκτικό διάλυμα]                                                                                                                                   | Warmtewisselaar van de warmtepomp/airconditioners buitenshuis: [selecteer welke: lucht/water/pekel]                                                                                                                                                                                  | Zewnętrzny boczny wymiennik ciepła pompy ciepła/klimatyzatora: [wybrać, który: powietrze/wody/solanki]                                                                                                                                                                      |
| C    | Εναλλάκτης θερμότητας της αντλίας θερμότητας/του κλιματιστικού εσωτερικής πλευράς: [επιλέξτε: αέρα/νερό/αντιψυκτικό διάλυμα]                                                                                                                                   | Warmtewisselaar van de warmtepomp/airconditioners binnenshuis: [selecteer welke: lucht/water/pekel]                                                                                                                                                                                  | Wewnętrzny boczny wymiennik ciepła pompy ciepła/klimatyzatora: [wybrać, który: powietrze/wody/solanki]                                                                                                                                                                      |
| D    | Ένδειξη εάν ο θερμαντήρας είναι εξοπλισμένος με πρόσθετο θερμαντήρα: ναί/οχι                                                                                                                                                                                   | Indicatie of de verwarming is uitgerust met een aanvullende verwarming: ja/nee                                                                                                                                                                                                       | Wskazanie, czy nagrzewnica jest wyposażona w dodatkową grzałkę: tak/nie                                                                                                                                                                                                     |
| E    | Τύπος: [διαδικασία συμπίεσης ή αναρρόφησης ατμού από τον συμπίεστή]                                                                                                                                                                                            | Type: [compressorgedreven dampcompressie of sorptieproces]                                                                                                                                                                                                                           | Typ: [uzyskiwany przy pomocy kompresora proces kompresji oparów lub sorpcji]                                                                                                                                                                                                |
| F    | Εφόσον ισχύει: οδηγός συμπίεσης: [κινητήρας εσωτερικής ή εξωτερικής καύσης, ηλεκτροκίνητος ή αερίου/υγρού καυσίμου]                                                                                                                                            | Indien van toepassing: aandrijving van compressor: [elektrische motor of aangedreven door brandstof, gas of vloeibare brandstof, interne of externe verbrandingsmotor]                                                                                                               | W stosownych przypadkach: sterownik sprężarki: [silnik elektryczny lub spalinyowy, paliwo gazowe lub ciekłe, silnik spalinyowy o spalaniu wewnętrznym lub zewnętrznym]                                                                                                      |
| G    | Πρέπει να δηλώνονται οι παράμετροι της μέσης περιόδου θέρμανσης. Οι παράμετροι των πιο θερμών ή ψυχρών περιόδων θέρμανσης είναι προαιρετικές.                                                                                                                  | Parameters worden vermeld voor een gemiddeld verwarmingsseizoen. Parameters voor warmere en koudere verwarmingsseizoenen zijn optioneel.                                                                                                                                             | Parametry są zadeklarowane dla umiarkowanego sezonu grzewczego; parametry dla ciepłego i chłodnego sezonu grzewczego są opcjonalne.                                                                                                                                         |
| H    | Στοιχείο                                                                                                                                                                                                                                                       | Item                                                                                                                                                                                                                                                                                 | Element                                                                                                                                                                                                                                                                     |
| I    | Σύμβολο                                                                                                                                                                                                                                                        | Symbol                                                                                                                                                                                                                                                                               | Symbol                                                                                                                                                                                                                                                                      |
| J    | Τιμή                                                                                                                                                                                                                                                           | Waarde                                                                                                                                                                                                                                                                               | Wartość                                                                                                                                                                                                                                                                     |
| K    | Μονάδα μέτρησης                                                                                                                                                                                                                                                | Eenheid                                                                                                                                                                                                                                                                              | Jednostka                                                                                                                                                                                                                                                                   |
| L    | Ονομαστική απόδοση ψύξης                                                                                                                                                                                                                                       | Nominaal koelvermogen                                                                                                                                                                                                                                                                | Znamionowa wydajność chłodnicza                                                                                                                                                                                                                                             |
| M    | $P_{rated}$                                                                                                                                                                                                                                                    | $P_{nominal,c}$                                                                                                                                                                                                                                                                      | $P_{znamionowa,c}$                                                                                                                                                                                                                                                          |
| N    | Ενεργειακή απόδοση της εποχιακής ψύξης χώρου                                                                                                                                                                                                                   | Seizoensgebonden energie-efficiëntie van ruimtekoeling                                                                                                                                                                                                                               | Sezonowa efektywność energetyczna chłodzenia pomieszczeń                                                                                                                                                                                                                    |
| O    | Δηλωμένη απόδοση ψύξης για μερικό φορτίο σε δεδομένες εξωτερικές θερμοκρασίες Tj και εσωτερικές θερμοκρασίες 27 °C/19 °C (ξηρή/υγρή σφαίρα)                                                                                                                    | Vermelde koelingscapaciteit voor deellast bij gegeven buiten- temperaturen Tj en binnentemperaturen 27 °C/19 °C (droge/hatte bol)                                                                                                                                                    | Deklarowana wydajność chłodnicza w przypadku obciążenia częściowego przy określonych temperaturach zewnętrznych Tj i wewnętrznych 27°C/19°C (termometr suchy/termometr mokry)                                                                                               |
| P    | Δηλωμένος λόγος ενεργειακής απόδοσης για μερικό φορτίο σε δεδομένες εξωτερικές θερμοκρασίες Tj                                                                                                                                                                 | Vermelde verhouding energie-efficiëntie voor deellast bij gegeven buitentemperaturen Tj                                                                                                                                                                                              | Deklarowany wskaźnik efektywności energetycznej w przypadku obciążenia częściowego przy określonych temperaturach zewnętrznych Tj                                                                                                                                           |
| Q    | Συντελεστής υποβάθμισης για κλιματιστικά                                                                                                                                                                                                                       | Coëfficiënt van degradatie bij airconditioners                                                                                                                                                                                                                                       | Współczynnik degradacji w przypadku klimatyzatorów                                                                                                                                                                                                                          |
| R    | Ονομαστική απόδοση θέρμανσης                                                                                                                                                                                                                                   | Nominale verwarmingscapaciteit                                                                                                                                                                                                                                                       | Znamionowa wydajność grzewcza                                                                                                                                                                                                                                               |
| S    | Εποχική ενεργειακή απόδοση θέρμανσης χώρου                                                                                                                                                                                                                     | Energie-efficiëntie bij ruimteverwarming per seizoen                                                                                                                                                                                                                                 | Sezonowa wydajność energii do ogrzewania pomieszczeń                                                                                                                                                                                                                        |
| T    | Δηλωμένη απόδοση θέρμανσης για μερικό φορτίο σε εσωτερική θερμοκρασία 20 °C και εξωτερική θερμοκρασία Tj                                                                                                                                                       | Vermelde verwarmingscapaciteit voor deellast bij binnen- temperatuur 20 °C en buitentemperatuur Tj                                                                                                                                                                                   | Deklarowana wydajność grzewcza w przypadku obciążenia częściowego przy temperaturze wewnętrznej 20°C i temperaturze zewnętrznej Tj                                                                                                                                          |
| U    | Δηλωμένος συντελεστής θερμικής απόδοσης* / Μέση περίοδος σε εσωτερική θερμοκρασία 20 °C και εξωτερική θερμοκρασία Tj                                                                                                                                           | Vermelde coëfficiënt van prestaties* / Gemiddeld seizoen, bij binnen temperatuur 20 °C en buitentemperatuur Tj                                                                                                                                                                       | Deklarowany współczynnik efektywności* / umiarkowany sezon przy temperaturze wewnętrznej 20°C i temperaturze zewnętrznej Tj                                                                                                                                                 |
| V    | $T_{bw}$ = διανθής θερμοκρασία                                                                                                                                                                                                                                 | $T_{bw}$ = bivalente temperatuur                                                                                                                                                                                                                                                     | $T_{bw}$ = temperatura dwuwartościowa                                                                                                                                                                                                                                       |
| W    | $T_{\alpha}$ = όριο λειτουργίας                                                                                                                                                                                                                                | $T_{\alpha}$ = gebruikslimiet                                                                                                                                                                                                                                                        | $T_{\alpha}$ = limit roboczy                                                                                                                                                                                                                                                |
| X    | Για αντλίες θερμότητας αέρα-νερού: Tj = -15 °C (αν $T_{\alpha}$ < -20 °C)                                                                                                                                                                                      | Voor lucht-naar-water warmtepompen: Tj = -15 °C (als $T_{\alpha}$ < -20 °C)                                                                                                                                                                                                          | W przypadku pomp ciepła typu powietrze-woda: Tj = -15°C (jeżeli $T_{\alpha}$ < -20°C)                                                                                                                                                                                       |
| Y    | Για αντλίες θερμότητας νερού-αέρα: Tj = -15 °C (αν $T_{\alpha}$ < -20 °C)                                                                                                                                                                                      | Voor warmte-naar-lucht warmtepompen: Tj = -15 °C (als $T_{\alpha}$ < -20 °C)                                                                                                                                                                                                         | W przypadku pompy ciepła typu woda/powietrze: Tj = -15°C (jeżeli $T_{\alpha}$ < -20°C)                                                                                                                                                                                      |
| Z    | Διανθής θερμοκρασία                                                                                                                                                                                                                                            | Bivalente temperatuur                                                                                                                                                                                                                                                                | Temperatura dwuwartościowa                                                                                                                                                                                                                                                  |
| AA   | Για αντλίες θερμότητας νερού-αέρα: Θερμοκρασία ορίου λειτουργίας                                                                                                                                                                                               | Voor warmte-naar-lucht warmtepompen: Temperatuur gebruikslimiet                                                                                                                                                                                                                      | W przypadku pompy typu woda-powietrze: graniczna temperatura robocza                                                                                                                                                                                                        |
| AB   | Συντελεστής υποβάθμισης για αντλίες θερμότητας (**)                                                                                                                                                                                                            | Coëfficiënt van degradatie bij warmtepompen (**)                                                                                                                                                                                                                                     | Współczynnik degradacji pompy ciepła (**)                                                                                                                                                                                                                                   |
| AC   | Κατανάλωση ενέργειας σε καταστάσεις λειτουργίας εκτός της "ενεργού λειτουργίας"                                                                                                                                                                                | Energieverbruik in andere modi dan de 'actieve modus'                                                                                                                                                                                                                                | Zużycie energii w trybach innych niż „tryb aktywny”                                                                                                                                                                                                                         |
| AD   | Πρόσθετος θερμαντήρας                                                                                                                                                                                                                                          | Aanvullende verwarming                                                                                                                                                                                                                                                               | Dodatkowa grzałka                                                                                                                                                                                                                                                           |
| AE   | Ανεργή λειτουργία                                                                                                                                                                                                                                              | Uit-modus                                                                                                                                                                                                                                                                            | Tryb wyłączenia                                                                                                                                                                                                                                                             |
| AF   | Εφεδρική απόδοση θέρμανσης                                                                                                                                                                                                                                     | Capaciteit back-upverwarming                                                                                                                                                                                                                                                         | Wydajność rezerwowego podgrzewacza elektrycznego                                                                                                                                                                                                                            |
| AG   | Λειτουργία απενεργοποίησης θερμοστάτη                                                                                                                                                                                                                          | Thermostaat-uit-modus                                                                                                                                                                                                                                                                | Tryb wyłączzonego termostatu                                                                                                                                                                                                                                                |
| AH   | Τύπος ενέργειας εισόδου                                                                                                                                                                                                                                        | Type energievoer                                                                                                                                                                                                                                                                     | Rodzaj dostarczanej energii                                                                                                                                                                                                                                                 |
| AI   | Λειτουργία θερμαντήρα στραβολοθαλάμου                                                                                                                                                                                                                          | Verwarmingsmodus carter                                                                                                                                                                                                                                                              | Tryb włączonej grzałki karteru                                                                                                                                                                                                                                              |
| AJ   | Λειτουργία αναμονής                                                                                                                                                                                                                                            | Standby-modus                                                                                                                                                                                                                                                                        | Tryb czuwania                                                                                                                                                                                                                                                               |
| AK   | Άλλα στοιχεία                                                                                                                                                                                                                                                  | Andere items                                                                                                                                                                                                                                                                         | Pozostałe pozycje                                                                                                                                                                                                                                                           |
| AL   | Ρύθμιση απόδοσης                                                                                                                                                                                                                                               | Capaciteitsbeheer                                                                                                                                                                                                                                                                    | Regulacja wydajności                                                                                                                                                                                                                                                        |
| AM   | σταθερή / βαθμιαία / μεταβλητή                                                                                                                                                                                                                                 | vast/gefaseerd/variabel                                                                                                                                                                                                                                                              | stała/stopniowa/zmienna                                                                                                                                                                                                                                                     |
| AN   | ταχύτητα ροής αέρα, εξωτερική μέτρηση                                                                                                                                                                                                                          | luchtstroomsnelheid, buitenshuis gemeten                                                                                                                                                                                                                                             | natężenie przepływu powietrza, mierzone na zewnątrz                                                                                                                                                                                                                         |
| AO   | Στάθμη ηχητικής ισχύος για τη λειτουργία ψύξης (εσωτερική/εξωτερική)                                                                                                                                                                                           | Geluidsvermogensniveau voor koelmodus (binnen/buiten)                                                                                                                                                                                                                                | Poziom mocy akustycznej trybu chłodzenia (wewnętrzna/zewnętrzna)                                                                                                                                                                                                            |
| AP   | Στάθμη ηχητικής ισχύος για τη λειτουργία θέρμανσης (εσωτερική/εξωτερική)                                                                                                                                                                                       | Geluidsvermogensniveau voor verwarmingsmodus (binnen/buiten)                                                                                                                                                                                                                         | Poziom mocy akustycznej trybu ogrzewania (wewnętrzna/zewnętrzna)                                                                                                                                                                                                            |
| AQ   | Εκπομπές οξειδίου του αζώτου (εάν υπάρχουν)                                                                                                                                                                                                                    | Emissies van stikstofoxiden (indien van toepassing)                                                                                                                                                                                                                                  | Emisje tlenków azotu (jeżeli dotyczy)                                                                                                                                                                                                                                       |
| AR   | mg/kWh καυσίμου εισόδου GCV                                                                                                                                                                                                                                    | mg/kWh brandstofinvoer GCV                                                                                                                                                                                                                                                           | mg/kWh wsad paliwa GCV                                                                                                                                                                                                                                                      |
| AS   | Για αντλίες θερμότητας νερού/αντιψυκτικού υγρού-αέρα: Ονομαστική ταχύτητα ροής αντιψυκτικού υγρού ή νερού, εναλλάκτης θερμότητας εξωτερικής πλευράς                                                                                                            | Voor water/pekel-naar-lucht warmtepompen: Nominale gepekelde of watersroomsnelheid, warmtewisselaar buitenshuis                                                                                                                                                                      | W przypadku pompy ciepła typu woda/solanka-powietrze: Znamionowy poziom przepływu solanki lub wody, zewnętrzny boczny wymiennik pompy ciepła                                                                                                                                |
| AT   | Τιμή GWP του ψυκτικού υγρού                                                                                                                                                                                                                                    | GWP van het koelmiddel                                                                                                                                                                                                                                                               | GWP czynnika chłodniczego                                                                                                                                                                                                                                                   |
| AU   | kgCO <sub>2</sub> eq (100 χρόνια)                                                                                                                                                                                                                              | kgCO <sub>2</sub> eq (100 jaar)                                                                                                                                                                                                                                                      | kgCO <sub>2</sub> eq (100 lat)                                                                                                                                                                                                                                              |
| AV   | Στοιχεία επικοινωνίας                                                                                                                                                                                                                                          | Contactgegevens                                                                                                                                                                                                                                                                      | Dane kontaktowe                                                                                                                                                                                                                                                             |
| AW   | ***= Αν η τιμή Cd δεν έχει προσδιοριστεί με μέτρηση, τότε ο προεπιλεγμένος συντελεστής υποβάθμισης πρέπει να είναι 0,25.                                                                                                                                       | ***= Als Cd niet wordt bepaald door metingen, is de standaard coëfficiënt van degradatie 0,25.                                                                                                                                                                                       | ***= Jeżeli współczynnik Cd nie został określony przez pomiar, wtedy domyślna wartość współczynnika degradacji wynosi 0,25.                                                                                                                                                 |
| AX   | *** Από τις 26 Σεπτεμβρίου 2018.                                                                                                                                                                                                                               | *** Vanaf 26 september 2018.                                                                                                                                                                                                                                                         | *** Od 26 września 2018 r.                                                                                                                                                                                                                                                  |
| AY   | Όταν οι τιμές σχετίζονται με αντλίες θερμότητας multi-split, το αποτέλεσμα δοκιμής και τα δεδομένα απόδοσης μπορούν να ληφθούν με βάση την απόδοση της εξωτερικής μονάδας σε συνδυασμό με τις εσωτερικές μονάδες που συστήνουν ο κατασκευαστής ή ο εισαγωγέας. | Bij informatie met betrekking tot multisplit-warmtepompen geldt dat de testresultaten en prestatiegegevens mogelijk worden verkregen op basis van de prestaties van de buitenunit, in combinatie met een of meerdere binnenunits die zijn aanbevolen door de fabrikant of importeur. | W przypadkach, gdzie informacje dotyczą wielojednostkowych pomp ciepła, wyniki testów i dane o wydajności można uzyskać na podstawie wyników jednostki zewnętrznej, za pomocą połączenia jednostki (jednostek) wewnętrznej, zgodnie z zaleceniami producenta lub importera. |
| AZ   | Όσον αφορά τις αντλίες θερμότητας multi-split, μπορούν να χρησιμοποιηθούν μαζί με τις εξής εσωτερικές μονάδες:                                                                                                                                                 | Voor multisplit warmtepompen kunnen de volgende binnenunits in combinatie daarmee worden gebruikt:                                                                                                                                                                                   | Z pompami ciepła typu multi-split można używać następujących jednostek wewnętrznych:                                                                                                                                                                                        |

| No   | Hungarian (HU)                                                                                                                                                                                                                                                                                         | Czech (CS)                                                                                                                                                                                                                            | Slovak (SK)                                                                                                                                                                                                                                             |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| I)   | 2016/2281 IBI ZÖTTSÁGI RENDELET                                                                                                                                                                                                                                                                        | NAŘÍZENÍ KOMISE (EU) Č. 2016/2281                                                                                                                                                                                                     | NARIADENIE KOMISIE (EÚ) č. 2016/2281                                                                                                                                                                                                                    |
| II)  | Hőszivattyúk/légkondicionálók KÖRNYEZETBARÁT TERVEZÉSÉRE VONATKOZÓ KÖVETELMÉNYEK                                                                                                                                                                                                                       | POŽADAVKY NA EKODESIGN tepelných čerpadel/klimatizací                                                                                                                                                                                 | POŽIADAVKY NA EKODIZAJN tepelných čerpadel/klimatizátorov                                                                                                                                                                                               |
| III) | Információs követelmények                                                                                                                                                                                                                                                                              | Požadavky na informace                                                                                                                                                                                                                | Požiadavky na informácie                                                                                                                                                                                                                                |
| A    | Az információk tárgyát képező modellek) megjelölése:                                                                                                                                                                                                                                                   | Informace k určení modelů, na které se informace vztahují:                                                                                                                                                                            | Informácie na identifikáciu modelu(-ov), na ktorý(-é) sa informácie vztahujú:                                                                                                                                                                           |
| B    | A hőszivattyú/légkondicionáló kültéri oldali hőcserélője: [válassza ki: levegő/víz/sólé]                                                                                                                                                                                                               | Venkovní výměník tepla tepelného čerpadla/klimatizace: [vyberte: vzduch/voda/země]                                                                                                                                                    | Vonkajší výmenník tepla tepelného čerpadla/klimatizátora: [vyberte ktorý: vzduch/voda/slaná voda]                                                                                                                                                       |
| C    | A hőszivattyú/légkondicionáló beltéri oldali hőcserélője: [válassza ki: levegő/víz/sólé]                                                                                                                                                                                                               | Vnitřní výměník tepla tepelného čerpadla/klimatizace: [vyberte: vzduch/voda/země]                                                                                                                                                     | Vnútrotný výmenník tepla tepelného čerpadla/klimatizátora: [vyberte ktorý: vzduch/voda/slaná voda]                                                                                                                                                      |
| D    | Fel van szerelve a fűtőtérmelek kiegészítő fűtőberendezéssel: igen/nem                                                                                                                                                                                                                                 | Označení, zda je topení vybaveno dodatečným tepelným zdrojem: ano/ne                                                                                                                                                                  | Uvedte, či je tepelný zdroj vybavený doplnkovým tepelným zdrojom: áno/nie                                                                                                                                                                               |
| E    | Típus: [kompresszorral fenntartott gőzkompresziós ciklus vagy szorpciós folyamat]                                                                                                                                                                                                                      | Typ: [stlačením par v kompresoru nebo sorpční proces]                                                                                                                                                                                 | Typ: [kompresorom zabezpečovaná kompresia pary alebo sorpční proces]                                                                                                                                                                                    |
| F    | Ha alkalmazandó: a kompressor hajtása: (elektromos motor vagy tüzelőanyag, gázmű vagy folyékony tüzelőanyag, belső vagy külső égésű motor)                                                                                                                                                             | Případně: pohon kompresoru: [elektrický motor nebo palivem, plynem či kapalným palivem poháněný vnitřní nebo vnější spalovací motor]                                                                                                  | V prípade potreby: pohon kompresora: [poháňaný elektrickým motorom alebo palivom, plyným alebo kvapalným palivom, motor s vnútorným alebo vonkajším spaľovaním]                                                                                         |
| G    | A paramétereket az átlagos fűtési időnyire vonatkozóan kell megadni, a melegebbé és a hidegebbé fűtési időnyire vonatkozó paraméterek megadása opcionális.                                                                                                                                             | Parametry jsou uvedeny pro průměrnou topnou sezónu. Parametry pro teplejší a chladnější topné sezóny jsou volitelné.                                                                                                                  | Parametre sa uvádzajú pre priemernú vykurovaciu sezónu, parametre pre teplejšie a chladnejšie vykurovacie sezóny sú nepovinné.                                                                                                                          |
| H    | Elem                                                                                                                                                                                                                                                                                                   | Položka                                                                                                                                                                                                                               | Položka                                                                                                                                                                                                                                                 |
| I    | Szimbólum                                                                                                                                                                                                                                                                                              | Symbol                                                                                                                                                                                                                                | Symbol                                                                                                                                                                                                                                                  |
| J    | Érték                                                                                                                                                                                                                                                                                                  | Hodnota                                                                                                                                                                                                                               | Hodnota                                                                                                                                                                                                                                                 |
| K    | Mértékegység                                                                                                                                                                                                                                                                                           | Jednotka                                                                                                                                                                                                                              | Jednotka                                                                                                                                                                                                                                                |
| L    | Névleges hűtőteljesítmény                                                                                                                                                                                                                                                                              | Jmenovitý chladicí výkon                                                                                                                                                                                                              | Menovitý výkon chladenia                                                                                                                                                                                                                                |
| M    | $P_{rated,c}$                                                                                                                                                                                                                                                                                          | $P_{rated,c}$                                                                                                                                                                                                                         | $P_{rated,c}$                                                                                                                                                                                                                                           |
| N    | Szezonális helyiségűtési hatások                                                                                                                                                                                                                                                                       | Sezónní energetická účinnost chlazení                                                                                                                                                                                                 | Energetická účinnosť sezónneho chladenia priestoru                                                                                                                                                                                                      |
| O    | Névleges hűtőteljesítmény részterhelés mellett, 27°C/19°C beltéri és T <sub>J</sub> megadott kültéri hőmérsékleteken (szaraz/nedves hőmérőgömb)                                                                                                                                                        | Deklarovaná kapacita chlazení při částečném zatížení při dané venkovních teplotě T <sub>J</sub> a vnitřní teplotě 27 °C/19 °C (suchý/vlhký teploměr)                                                                                  | Deklarovaný výkon chladenia pre čiastočné zaťaženie pri daných vonkajších teplotách T <sub>J</sub> a vnútorných teplotách 27 °C/19 °C (suchým/vlhkým teplomerom)                                                                                        |
| P    | Névleges energiahatékonysági arány részterhelés mellett, T <sub>J</sub> megadott kültéri hőmérsékleteken                                                                                                                                                                                               | Koeficient využitelnosti energie pro částečné zatížení při daných venkovních teplotách T <sub>J</sub>                                                                                                                                 | Deklarovaný chladicí súčiniteľ pre čiastočné zaťaženie pri daných vonkajších teplotách T <sub>J</sub>                                                                                                                                                   |
| Q    | A légkondicionálók degradációs tényezője                                                                                                                                                                                                                                                               | Koeficient ztráty energie u klimatizací                                                                                                                                                                                               | Súčiniteľ straty účinnosti v prípade klimatizátorov                                                                                                                                                                                                     |
| R    | Névleges fűtőteljesítmény                                                                                                                                                                                                                                                                              | Jmenovitý topný výkon                                                                                                                                                                                                                 | Menovitý vykurovací výkon                                                                                                                                                                                                                               |
| S    | Szezonális helyiségűfűtési hatások                                                                                                                                                                                                                                                                     | Sezónní energetická účinnost vytápění prostor                                                                                                                                                                                         | Energetická účinnosť sezónneho vykurovania priestoru                                                                                                                                                                                                    |
| T    | Névleges fűtőteljesítmény részterhelés mellett, 20 °C beltéri és T <sub>J</sub> kültéri hőmérsékleten                                                                                                                                                                                                  | Deklarovaný topný výkon pro částečné zatížení při vnitřní teplotě 20 °C venkovní teplotě T <sub>J</sub>                                                                                                                               | Deklarovaný vykurovací výkon pre čiastočné zaťaženie pri vnútornej teplote 20 °C a vonkajšej teplote T <sub>J</sub>                                                                                                                                     |
| U    | Névleges teljesítménytényező* / Átlagos szezonális időjárás, 20 °C beltéri és T <sub>J</sub> kültéri hőmérsékleten                                                                                                                                                                                     | Deklarovaný topný faktor * / Průměrná sezóna, při vnitřní teplotě 20 °C venkovní teplotě T <sub>J</sub>                                                                                                                               | Deklarovaný vykurovací súčiniteľ* / priemeraná sezóna, pri vnútornej teplote 20 °C a vonkajšej teplote T <sub>J</sub>                                                                                                                                   |
| V    | T <sub>bav</sub> = bivalens hőmérséklet                                                                                                                                                                                                                                                                | T <sub>bav</sub> = bivalentní teplota                                                                                                                                                                                                 | T <sub>bav</sub> = bivalentná teplota                                                                                                                                                                                                                   |
| W    | T <sub>0L</sub> = megengedett üzemi hőmérséklet                                                                                                                                                                                                                                                        | T <sub>0L</sub> = provozní limit                                                                                                                                                                                                      | T <sub>0L</sub> = hraničná prevádzková teplota                                                                                                                                                                                                          |
| X    | Levegő-víz típusú hőszivattyúk esetén: T <sub>J</sub> = -15°C (ha T <sub>0L</sub> < -20°C)                                                                                                                                                                                                             | U tepelných čerpadel vzduch-voda: T <sub>J</sub> = -15 °C (pokud je T <sub>0L</sub> < -20 °C)                                                                                                                                         | V prípade tepelného čerpadla vzduch-voda: T <sub>J</sub> = -15 °C (ak T <sub>0L</sub> < -20 °C)                                                                                                                                                         |
| Y    | Víz-levegő típusú hőszivattyúk: T <sub>J</sub> = -15°C (ha T <sub>0L</sub> < -20°C)                                                                                                                                                                                                                    | U tepelných čerpadel voda-vzduch: T <sub>J</sub> = -15 °C (pokud je T <sub>0L</sub> < -20 °C)                                                                                                                                         | V prípade tepelného čerpadla voda-vzduch: T <sub>J</sub> = -15 °C (ak T <sub>0L</sub> < -20 °C)                                                                                                                                                         |
| Z    | Bivalens hőmérséklet                                                                                                                                                                                                                                                                                   | Bivalentní teplota                                                                                                                                                                                                                    | Bivalentná teplota                                                                                                                                                                                                                                      |
| AA   | Levegő-víz típusú hőszivattyúk esetén: Megengedett üzemi hőmérséklet                                                                                                                                                                                                                                   | U tepelných čerpadel voda-vzduch: Mezní provozní teplota                                                                                                                                                                              | V prípade tepelného čerpadla voda-vzduch: Hraničná prevádzková teplota                                                                                                                                                                                  |
| AB   | A hőszivattyúk degradációs tényezője (**)                                                                                                                                                                                                                                                              | Koeficient ztráty energie u tepelných čerpadel (**)                                                                                                                                                                                   | Súčiniteľ straty účinnosti tepelných čerpadel (**)                                                                                                                                                                                                      |
| AC   | Energiafogyasztás az aktív módon kívüli üzemmódokban                                                                                                                                                                                                                                                   | Spotřeba v jiném než aktivním režimu                                                                                                                                                                                                  | Spotreba energie v iných režimoch ako v aktívnom režime                                                                                                                                                                                                 |
| AD   | Kiegészítő fűtőberendezés                                                                                                                                                                                                                                                                              | Dodatečný tepelný zdroj                                                                                                                                                                                                               | Doplnkový tepelný zdroj                                                                                                                                                                                                                                 |
| AE   | Ki üzemmód                                                                                                                                                                                                                                                                                             | Režim Vypnuto                                                                                                                                                                                                                         | Režim vypnutia                                                                                                                                                                                                                                          |
| AF   | Résgepítő fűtőteljesítmény                                                                                                                                                                                                                                                                             | Záložní topný výkon                                                                                                                                                                                                                   | Kapacita záložného vykurovacieho telesa                                                                                                                                                                                                                 |
| AG   | Termosztát által leállított üzemmód                                                                                                                                                                                                                                                                    | Režim Vypnutí termostat                                                                                                                                                                                                               | Režim vypnutia termostatu                                                                                                                                                                                                                               |
| AH   | Energiabevitel típusa                                                                                                                                                                                                                                                                                  | Druh energetického příkonu                                                                                                                                                                                                            | Typ príkonu                                                                                                                                                                                                                                             |
| AI   | Forgattyúház-fűtési üzemmód                                                                                                                                                                                                                                                                            | Režim Ohřev klikové skříně                                                                                                                                                                                                            | Režim ohrevu klikovej skrine                                                                                                                                                                                                                            |
| AJ   | Készenléti üzemmód                                                                                                                                                                                                                                                                                     | Pohotovostní režim                                                                                                                                                                                                                    | Pohotovostný režim                                                                                                                                                                                                                                      |
| AK   | További adatok                                                                                                                                                                                                                                                                                         | Další položky                                                                                                                                                                                                                         | Iné položky                                                                                                                                                                                                                                             |
| AL   | Kapacitásabályozás                                                                                                                                                                                                                                                                                     | Regulace výkonu                                                                                                                                                                                                                       | Regulácia výkonu                                                                                                                                                                                                                                        |
| AM   | Rögzített/ fokozatosan állítható/ állítható                                                                                                                                                                                                                                                            | Pevně stanovený/odstupňovaný/proměnlivý                                                                                                                                                                                               | fixná/nastaviteľná/variabilná                                                                                                                                                                                                                           |
| AN   | Légtömégáram, kültérben mérve                                                                                                                                                                                                                                                                          | přítok vzduchu, měřeno venku                                                                                                                                                                                                          | prietok vzduchu, meraný vonku                                                                                                                                                                                                                           |
| AO   | Hangteljesítményszint a fűtési mód esetén (beltérben/ kültérben)                                                                                                                                                                                                                                       | Hladina akustického výkonu pro režim chlazení (vnitřní/venkovní)                                                                                                                                                                      | Hladina akustického výkonu pre režim chladenia (vnútorná/vonkajšia)                                                                                                                                                                                     |
| AP   | Hangteljesítményszint a fűtési mód esetén (beltérben/ kültérben)                                                                                                                                                                                                                                       | Hladina akustického výkonu pro režim topení (vnitřní/venkovní)                                                                                                                                                                        | Hladina akustického výkonu pre režim vykurovania (vnútorná/vonkajšia)                                                                                                                                                                                   |
| AQ   | Nitrogén-oxid-kibocsátások (ha alkalmazandó)                                                                                                                                                                                                                                                           | Případné emise oxidů dusku                                                                                                                                                                                                            | Emisie oxidov dusíka (v prípade potreby)                                                                                                                                                                                                                |
| AR   | mg/kWh tüzelőanyag-felvétel (GCV)                                                                                                                                                                                                                                                                      | mg/kWh spotřeba paliva GCV                                                                                                                                                                                                            | mg/kWh spotrebe paliva z hľadiska GCV                                                                                                                                                                                                                   |
| AS   | Víz/sólé-levegő típusú hőszivattyúk: A víz vagy a sólé mért térfogataráma a kültéri oldali hőcserélőnél                                                                                                                                                                                                | U tepelných čerpadel voda/země-vzduch: Jmenovitý průtok solanky nebo vody, venkovní tepelný výměník                                                                                                                                   | Pre tepelné čerpadlá voda/slaná voda-vzduch: Menovitý prietok slanej vody alebo vody, vonkajší výmenník tepla                                                                                                                                           |
| AT   | A hűtőközeg GWP-je                                                                                                                                                                                                                                                                                     | GWP chladiva                                                                                                                                                                                                                          | GWP chladiva                                                                                                                                                                                                                                            |
| AU   | kgCO <sub>2</sub> eq (100 év)                                                                                                                                                                                                                                                                          | kgCO <sub>2</sub> eq (100 let)                                                                                                                                                                                                        | kgCO <sub>2</sub> eq (100 rokov)                                                                                                                                                                                                                        |
| AV   | Kapcsolatfelvételi adatok                                                                                                                                                                                                                                                                              | Kontaktní údaje                                                                                                                                                                                                                       | Kontaktné údaje                                                                                                                                                                                                                                         |
| AW   | **= Ha Cd értéke nem mérésről kerül megállapításra, akkor az alapértelmezett degradációs tényező 0,25.                                                                                                                                                                                                 | **= Pokud není hodnota Cd stanovena na základě měření, bude mít výchozí koeficient ztráty energie hodnotu 0,25.                                                                                                                       | **= Ak hodnota Cd nie je určená meraním, potom je štandardná hodnota súčiniteľa straty účinnosti 0,25.                                                                                                                                                  |
| AX   | *** 2018. szeptember 26-tól.                                                                                                                                                                                                                                                                           | *** Od 26. září 2018.                                                                                                                                                                                                                 | *** Od 26. septembra 2018.                                                                                                                                                                                                                              |
| AY   | Ha az információs szolgáltatás többszörös osztott hőszivattyúkra vonatkozik, a vizsgálati eredmények és a működési adatok előállítás a kültéri egység és a beltéri egységeknek a gyártó vagy az importőr által ajánlott valamely kombinációja által tanúsított együttes viselkedése alapján történhet. | Pokud se informace vztahují k několikašobně členěným tepelným čerpadlům, výsledek testu a údaje o výkonu mohou být získány na základě výkonu venkovní jednotky s kombinací vnitřních jednotek doporučených výrobcem nebo dodavatelem. | V prípade, keď sa informácie vztahujú na viaczložkové tepelné čerpadlá, výsledok testu a údaje o výkonnosti možno získať na základe výkonu vonkajšej jednotky s kombináciou vnútorných jednotiek, resp. jednotiek odporúčaných výrobcou alebo dovozcom. |
| AZ   | Többszörös osztott hőszivattyúk esetén, ezekkel együtt az alábbi beltéri egységek használhatók:                                                                                                                                                                                                        | S vícenásobnými členěními tepelnými čerpadly lze používat tyto vnitřní jednotky.                                                                                                                                                      | V kombinácii s viacnásobne členenými tepelnými čerpadlami je možné používať nasledujúce vnútorné jednotky:                                                                                                                                              |

| No   | Romanian (RO)                                                                                                                                                                                                                                 | Bulgarian (BG)                                                                                                                                                                                                                                                                                       | Croatian (HR)                                                                                                                                                                                                                                       |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| I)   | REGULAMENTUL COMISIEI (UE) 2016/2281                                                                                                                                                                                                          | РЕГЛАМЕНТ (ЕС) № 2016/2281 НА КОМИСИЈАТА                                                                                                                                                                                                                                                             | UREDBA KOMISIJE (EU) br. 2016/2281                                                                                                                                                                                                                  |
| II)  | CERINȚELE DE DESIGN ECOLOGIC PENTRU pompe de căldură/ aparatele de aer condiționat                                                                                                                                                            | ИЗИСКВАНИЯ ЗА ЕКОПРОЕКТИРАНЕ КЪМ термопомпи/климатизаци                                                                                                                                                                                                                                              | ZAHTJEVI ECODESIGN ZA toplinske crpke/klimatizacijske uređaje                                                                                                                                                                                       |
| III) | Cerințe informaționale                                                                                                                                                                                                                        | ИЗИСКВАНИЯ относно информацията                                                                                                                                                                                                                                                                      | Zahtjevi u vezi s informacijama                                                                                                                                                                                                                     |
| A    | Informații pentru identificarea modelelor la care fac referire informațiile:                                                                                                                                                                  | Информация, показваща за кой модел (кой модели) се отнася съответната информация:                                                                                                                                                                                                                    | Informacije o identifikaciji modela na koji se odnose informacije:                                                                                                                                                                                  |
| B    | Schimbător de căldură de exterior pentru pompa de căldură/aparatele de aer condiționat: [selectat: aer/apă/saramură]                                                                                                                          | Външен теплообменник на термопомпа/климатизаци: [изберете кой вид: охлаждане с въздух/вода/солов разтвор]                                                                                                                                                                                            | Izmjenjivač topline toplinske crpke/klimatizacijskog uređaja na vanjskoj strani: [odaberite: zrak-voda-slana voda]                                                                                                                                  |
| C    | Schimbător de căldură de interior pentru pompa de căldură/aparatele de aer condiționat: [selectat: aer/apă/saramură]                                                                                                                          | Вътрешен теплообменник на термопомпа/климатизаци: [изберете кой вид: охлаждане с въздух/вода/солов разтвор]                                                                                                                                                                                          | Izmjenjivač topline toplinske crpke/klimatizacijskog uređaja na unutrašnjoj strani: [odaberite: zrak-voda-slana voda]                                                                                                                               |
| D    | Indicăre dacă schimbătorul de căldură este prevăzut cu un încălzitor suplimentar: da/nu                                                                                                                                                       | Указване дали нагревателът е оборудван с допълнителен нагревател: да/не                                                                                                                                                                                                                              | Oznaka je li grijač opremljen dodatnim grijačem: da/ne                                                                                                                                                                                              |
| E    | Tip: [acionare prin compresor cu compresie de vapori sau prin proces de adsorbție]                                                                                                                                                            | Tun: [compressor driven vapour compression or sorption process]                                                                                                                                                                                                                                      | Tip: [postupak komprimiranja ili sorpcije pare pomoću kompresora]                                                                                                                                                                                   |
| F    | Dacă este cazul: dispozitiv de acționare pentru compresor: [motor electric sau motor cu combustie intern sau extern, alimentat cu carburant, combustibil gazos sau lichid]                                                                    | Ако е приложимо: задвижване на компресора: [задвижван с електроенергия или с гориво, газово или течностно гориво, двигател с вътрешно или с външно горене]                                                                                                                                           | Ovisno o primjenjivosti: pogonski sklop kompresora: [elektromotor ili motor s unutarnjim ili vanjskim izgorjevanjem na plin ili tekuće gorivo]                                                                                                      |
| G    | Parametrii trebuie declarați pentru sezonul de încălzire mediu, iar parametrii pentru sezonul de încălzire mai calde sau mai reci sunt opționali.                                                                                             | Параметрите трябва да бъдат декларирани за среден отоплителен сезон; като опция е възможно да бъдат посочени параметри и за по-топла и по-студен отоплителен сезон.                                                                                                                                  | Parametri se moraju deklarirati za prosječni sezonu grijanja, opcijski su dostupni parametri topliji i hladniji sezonu grijanja.                                                                                                                    |
| H    | Articol                                                                                                                                                                                                                                       | Артикул                                                                                                                                                                                                                                                                                              | Stavka                                                                                                                                                                                                                                              |
| I    | Simbol                                                                                                                                                                                                                                        | Символ                                                                                                                                                                                                                                                                                               | Symbol                                                                                                                                                                                                                                              |
| J    | Valoare                                                                                                                                                                                                                                       | Стойност                                                                                                                                                                                                                                                                                             | Vrijednost                                                                                                                                                                                                                                          |
| K    | Unitate                                                                                                                                                                                                                                       | Мерна единица                                                                                                                                                                                                                                                                                        | Jedinica                                                                                                                                                                                                                                            |
| L    | Capacitate de răcire nominală                                                                                                                                                                                                                 | Номинална охлаждателна мощност                                                                                                                                                                                                                                                                       | Nazivni kapacitet hlađenja                                                                                                                                                                                                                          |
| M    | C <sub>design</sub> P <sub>c</sub>                                                                                                                                                                                                            | P <sub>охлаждаемост</sub>                                                                                                                                                                                                                                                                            | P <sub>hlađenja</sub>                                                                                                                                                                                                                               |
| N    | Randament energetic sezonier aferent răcirii incintelor                                                                                                                                                                                       | Сезонна енергийна ефективност при охлаждане                                                                                                                                                                                                                                                          | Sezonska energetska učinkovitost hlađenja prostora                                                                                                                                                                                                  |
| O    | Capacitate de răcire declarată pentru sarcina parțială la temperaturile exterioare specificate T <sub>j</sub> , precum și la cele interioare 27 °C/19 °C (bulb uscat/umed)                                                                    | Обявена охлаждателна мощност за частичен товар при дадени външни температури T <sub>j</sub> и вътрешни температури 27 °C/19 °C (по суха/влажна термометър)                                                                                                                                           | Deklarirani kapacitet hlađenja pri djelomičnom opterećenju pri danim vanjskim temperaturama T <sub>j</sub> i unutarnjoj temperaturi od 27 °C/19 °C (suhi/mokri termometar)                                                                          |
| P    | Raport de energie declarat pentru sarcina parțială la temperaturile exterioare specificate T <sub>j</sub>                                                                                                                                     | Обявен коефициент на енергийна ефективност за частичен товар при дадени външни температури T <sub>j</sub>                                                                                                                                                                                            | Deklarirani omjer energetske učinkovitosti pri djelomičnom opterećenju pri danim vanjskim temperaturama T <sub>j</sub>                                                                                                                              |
| Q    | Coefficient de degradare pentru aparatele de aer condiționat                                                                                                                                                                                  | Коефициент на влошаване на ефективността на климатизатори                                                                                                                                                                                                                                            | Koeficijent smanjenja učinkovitosti klima-uređaja                                                                                                                                                                                                   |
| R    | Capacitate de încălzire nominală                                                                                                                                                                                                              | Номинална отоплителна мощност                                                                                                                                                                                                                                                                        | Nazivni kapacitet grijanja                                                                                                                                                                                                                          |
| S    | Eficiență energetică de încălzire a spațiilor deschise sezonier                                                                                                                                                                               | Сезонна енергийна ефективност при отопление                                                                                                                                                                                                                                                          | Sezonska energetska učinkovitost grijanja prostora                                                                                                                                                                                                  |
| T    | Capacitate de încălzire declarată pentru sarcină parțială la temperatura interioară de 20 °C și temperatura exterioară T <sub>j</sub>                                                                                                         | Обявена отоплителна мощност за частичен товар при вътрешна температура 20 °C и външна температура T <sub>j</sub>                                                                                                                                                                                     | Deklarirani kapacitet grijanja pri djelomičnom opterećenju pri unutarnjoj temperaturi od 20 °C i vanjskoj temperaturi T <sub>j</sub>                                                                                                                |
| U    | Coefficient declarat de performanță / sezon mediu, la temperatura interioară de 20 °C și temperatura exterioară T <sub>j</sub>                                                                                                                | Обявен коефициент на преобразуване / среден сезон, при вътрешна температура 20 °C и външна температура T <sub>j</sub>                                                                                                                                                                                | Deklarirani koeficijent radnog učinka / Prosječna sezona, pri unutarnjoj temperaturi od 20 °C i vanjskoj temperaturi T <sub>j</sub>                                                                                                                 |
| V    | T <sub>bw</sub> = temperatură bivalentă                                                                                                                                                                                                       | T <sub>bw</sub> = температура на включване на допълнително подгряване                                                                                                                                                                                                                                | T <sub>bw</sub> = bivalentna temperatura                                                                                                                                                                                                            |
| W    | T <sub>da</sub> = limită de operare                                                                                                                                                                                                           | T <sub>da</sub> = гранична работна температура                                                                                                                                                                                                                                                       | T <sub>da</sub> = radno ograničenje                                                                                                                                                                                                                 |
| X    | Pentru pompe de căldură aer-apă: T <sub>j</sub> = -15°C (dacă T <sub>da</sub> < 20°C)                                                                                                                                                         | За термопомпи „въздух-вода”: T <sub>j</sub> = -15°C (ако T <sub>da</sub> < 20°C)                                                                                                                                                                                                                     | За toplinske crpke zrak-voda: T <sub>j</sub> = -15 °C (ако је T <sub>da</sub> < 20 °C)                                                                                                                                                              |
| Y    | Pentru pompe de căldură apă-aer: T <sub>j</sub> = -15°C (dacă T <sub>da</sub> < 20°C)                                                                                                                                                         | За термопомпи „вода-въздух”: T <sub>j</sub> = -15°C (ако T <sub>da</sub> < 20°C)                                                                                                                                                                                                                     | За toplinske crpke voda-zrak: T <sub>j</sub> = -15 °C (ако је T <sub>da</sub> < 20 °C)                                                                                                                                                              |
| Z    | Temperatură bivalentă                                                                                                                                                                                                                         | Температура на включване на допълнително подгряване                                                                                                                                                                                                                                                  | Bivalentna temperatura                                                                                                                                                                                                                              |
| AA   | Pentru pompe de căldură apă-aer: temperatura limită de operare                                                                                                                                                                                | За термопомпи „въздух-вода”: гранична работна температура                                                                                                                                                                                                                                            | За toplinske crpke voda-zrak: temperatura radnog ograničenja                                                                                                                                                                                        |
| AB   | Coefficient de degradare pentru pompe de căldură (**)                                                                                                                                                                                         | Коефициент на влошаване на ефективността на термопомпите (**)                                                                                                                                                                                                                                        | Koeficijent smanjenja radnog učinka toplinske crpke (**)                                                                                                                                                                                            |
| AC   | Consum de energie în alte moduri în afară de „modul activ”                                                                                                                                                                                    | Консумирана електрическа мощност в режими, различни от „работен режим”                                                                                                                                                                                                                               | Potrošnja električne energije u načinima rada koji nisu „aktivni način rada”                                                                                                                                                                        |
| AD   | Încălzitor suplimentar                                                                                                                                                                                                                        | Допълнителен нагревател                                                                                                                                                                                                                                                                              | Dodatni grijač                                                                                                                                                                                                                                      |
| AE   | Mod Oprit                                                                                                                                                                                                                                     | Режим „Изключен”                                                                                                                                                                                                                                                                                     | Isključeni način rada                                                                                                                                                                                                                               |
| AF   | Capacitate de încălzire de rezervă                                                                                                                                                                                                            | Мощност на спомогателното подгряване                                                                                                                                                                                                                                                                 | Potporni kapacitet grijanja                                                                                                                                                                                                                         |
| AG   | Mod Termostat oprit                                                                                                                                                                                                                           | Режим „Изключен термостат”                                                                                                                                                                                                                                                                           | Način rada s isključenim termostatom                                                                                                                                                                                                                |
| AH   | Tip de intrare de energie                                                                                                                                                                                                                     | Тип консумирана мощност                                                                                                                                                                                                                                                                              | Vrsta dovodne energije                                                                                                                                                                                                                              |
| AI   | Mod Încălzitor carter                                                                                                                                                                                                                         | Режим „Подгряване на картера на компресора”                                                                                                                                                                                                                                                          | U načinu rada kućišta motora                                                                                                                                                                                                                        |
| AJ   | Mod Standby                                                                                                                                                                                                                                   | Режим „В готовност”                                                                                                                                                                                                                                                                                  | Način rada u pripravnosti                                                                                                                                                                                                                           |
| AK   | Alte articole                                                                                                                                                                                                                                 | Други показатели                                                                                                                                                                                                                                                                                     | Druge stavke                                                                                                                                                                                                                                        |
| AL   | Control capacitate                                                                                                                                                                                                                            | Регулиране на мощността                                                                                                                                                                                                                                                                              | Regulacija kapaciteta                                                                                                                                                                                                                               |
| AM   | fix/in trepte/variabil                                                                                                                                                                                                                        | фиксирано/стъпено/многостепенно                                                                                                                                                                                                                                                                      | fiksni / u fazama / varijabilni                                                                                                                                                                                                                     |
| AN   | debit de aer, măsurat în exterior                                                                                                                                                                                                             | дебит на въздуха, измерен навън                                                                                                                                                                                                                                                                      | brzina protoka zraka, mjerena vani                                                                                                                                                                                                                  |
| AO   | Nivel de putere acustică în modul de răcire (interior/exterior)                                                                                                                                                                               | Ниво на звукова мощност за режим на охлаждане (вътрешно/външно)                                                                                                                                                                                                                                      | Razina zvučne snage u načinu hlađenja (unutarnja/vanjska)                                                                                                                                                                                           |
| AP   | Nivel de putere acustică în modul de încălzire (interior/exterior)                                                                                                                                                                            | Ниво на звукова мощност за режим на отопление (вътрешно/външно)                                                                                                                                                                                                                                      | Razina zvučne snage u načinu grijanja (unutarnja/vanjska)                                                                                                                                                                                           |
| AQ   | Emisii de oxizi de nitrogen (dacă există)                                                                                                                                                                                                     | Емисии на азотни оксиди (ако е приложимо)                                                                                                                                                                                                                                                            | Emisije dušičnih oksida (ako je primjenjivo)                                                                                                                                                                                                        |
| AR   | Intrare de combustibil mg/kWh GCV                                                                                                                                                                                                             | mg/kWh влажено гориво GCV                                                                                                                                                                                                                                                                            | mg/kWh GCV (bruto kalorijska vrijednost) ulaznog goriva                                                                                                                                                                                             |
| AS   | Pentru pompe de căldură apă/saramură-aer: Debit nominal de saramură sau apă, schimbător de căldură exterior                                                                                                                                   | За термопомпи „вода/солов разтвор-въздух”: Номинален дебит на соловия разтвор или вода, външен теплообменник                                                                                                                                                                                         | За toplinske crpke voda/slana voda-zrak: Nazivna brzina protoka vode ili slane vode, izmjenjivač topline na vanjskoj strani                                                                                                                         |
| AT   | GWP agent de răcire                                                                                                                                                                                                                           | GWP на хладилния агент                                                                                                                                                                                                                                                                               | GWP rashladnog sredstva                                                                                                                                                                                                                             |
| AU   | kgCO <sub>2</sub> eq (100 ani)                                                                                                                                                                                                                | kgCO <sub>2</sub> eq (100 godina)                                                                                                                                                                                                                                                                    | ekv. kgCO <sub>2</sub> (100 godina)                                                                                                                                                                                                                 |
| AV   | Detalii de contact                                                                                                                                                                                                                            | Данни за контакт                                                                                                                                                                                                                                                                                     | Kontaktni podaci                                                                                                                                                                                                                                    |
| AW   | **= În cazul în care Cd nu este determinat prin măsurătoare, coeficientul implicit de degradare va fi 0,25                                                                                                                                    | **= Ако Cd не се определя чрез измерване, коефициентът на влошаване на ефективността по подразбиране е 0,25.                                                                                                                                                                                         | **= Ako vrijednost Cd nije određena mjerenjem, zadani koeficijent smanjenja učinkovitosti rada iznosi 0,25.                                                                                                                                         |
| AX   | *** Din 26 septembrie 2018.                                                                                                                                                                                                                   | *** От 26 септември 2018 г.                                                                                                                                                                                                                                                                          | *** Od 26. rujna 2018.                                                                                                                                                                                                                              |
| AY   | Acolo unde informațiile sunt legate de pompe de căldură multisplit, rezultatul testului și datele de performanță pot fi obținute pe baza unității exterioare, cu o combinație de unități interioare recomandate de producător sau importator. | В случаите, при които информацията се отнася за климатизатори с мултисплит система, резултатите от изпитването и работните показатели могат да се получат на база на работните показатели на външното тяло в комбинация с вътрешно тяло (вътрешни тела), препоръчани от производителя или вносителя. | Kada se informacije odnose na multi-split toplinske crpke, rezultat ispitivanja i podaci o radnom učinku mogu se pribaviti na temelju radnog učinka vanjske jedinice u kombinaciji s unutarnjim jedinicama koje preporučuje proizvođač ili uvoznik. |
| AZ   | Pentru pompe de încălzire multisplit, pot fi folosite următoarele unități interioare:                                                                                                                                                         | При мултисплит топлинни помпи с тях може да се използват следните вътрешни тела:                                                                                                                                                                                                                     | S multi-split toplinskim crpkama mogu se upotrebljavati sljedeće unutarnje jedinice:                                                                                                                                                                |

| No   | Serbian (SR)                                                                                                                                                                                                                            | Slovenian (SL)                                                                                                                                                                                                                                                             | Danish (DA)                                                                                                                                                                                                                          |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| I)   | UREDBA KOMISIJE (EU) Br. 2016/2281                                                                                                                                                                                                      | UREDBA KOMISIJE (EU) št. 2016/2281                                                                                                                                                                                                                                         | KOMMISSIONENS FORORDNING (EU) nr. 2016/2281                                                                                                                                                                                          |
| II)  | ZAHTJEVI EKOLOKOG DIZAJNA ZA toplotne pumpe/klima-uređaje                                                                                                                                                                               | ZAHTJEVE ZA OKOLISKO USTREZNO ZASNOVO IZDELKOV ZA toplotne črpalke/klimatske naprave                                                                                                                                                                                       | KRAV TIL MILJØVENLIGT DESIGN AF varmepumper/klima anlæg                                                                                                                                                                              |
| III) | Zahtjevi za informacije                                                                                                                                                                                                                 | Zahtevane informacije                                                                                                                                                                                                                                                      | Informationskrav                                                                                                                                                                                                                     |
| A    | Informacije za identifikaciju modela na koje se odnose informacije:                                                                                                                                                                     | Informacije za prepoznavanje modelov, na katere se informacije navezuju:                                                                                                                                                                                                   | Oplysninger til at identificere den/de model(ler), oplysningerne relaterer til:                                                                                                                                                      |
| B    | Spoljni toplotni izmenjivač toplotne pumpe/klima-uređaja: [izaberite koji: vazduh/voda/slana voda]                                                                                                                                      | Zunajni toplotni izmenjivalnik toplotne črpalke/klimatskih naprav: [izberite vrsto: zrak/voda/slanaica]                                                                                                                                                                    | Varmeveksler på udendørs side på varmepumpe/klima anlæg: [vælg hvilken: luft/vand/brine]                                                                                                                                             |
| C    | Unutrašnji toplotni izmenjivač toplotne pumpe/klima-uređaja: [izaberite koji: vazduh/voda/slana voda]                                                                                                                                   | Notranji toplotni izmenjivalnik toplotne črpalke/klimatskih naprav: [izberite vrsto: zrak/voda/slanaica]                                                                                                                                                                   | Varmeveksler på indendørs side på varmepumpe/klima anlæg: [vælg hvilken: luft/vand/brine]                                                                                                                                            |
| D    | Pokazatelj da li je grejač opremljen dodatnim grejačem: da/ne                                                                                                                                                                           | Oznaka, ali je grelnik opremljen z dodatnim grelnikom: da/ne                                                                                                                                                                                                               | Indikator, hvis varmelegemet er udstyret med et ekstra varmelegeme: ja/nej                                                                                                                                                           |
| E    | Tip: [kompimiranje pare ili proces sorpcije pomoću kompresora]                                                                                                                                                                          | Vrsta: [kompresija pare ali postopek sorpcije s pomočjo kompresorja]                                                                                                                                                                                                       | Type: [kompressor drevet dampkompression eller sorptionsproces]                                                                                                                                                                      |
| F    | Ako je primenljivo: pogon kompresora: [električni motor ili sa pogonom na gorivo, gasnim ili tečnim gorivom, motor sa unutrašnjim ili spoljašnjim sagorevanjem]                                                                         | Če se uporablja: kompresor s pogonskim motorjem: [pogon na električni motor ali gorivo, plinasto ali tekoče gorivo, z notranjim ali zunanjim izogrevanjem]                                                                                                                 | Hvis relevant: drivværk på kompressor: [elektrisk motor eller brændstofdrevet, gas eller flydende brændstof, intern eller ekstern forbrændingsmotor]                                                                                 |
| G    | Parametri bi trebalo biti navedeni za prosečnu grejnu sezonu, parametri za toplije i hladnije grejne sezone su opcioni.                                                                                                                 | Določeni morajo biti parametri za povprečno grelno sezono. Parametri za toplejšo in hladnejšo grelno sezono niso obvezni.                                                                                                                                                  | Parametrene skal opgives for en gennemsnitlig opvarmningssæson. Parametre for varmere og koldere opvarmningssæsoner er valgfrie.                                                                                                     |
| H    | Stavka                                                                                                                                                                                                                                  | Predmet                                                                                                                                                                                                                                                                    | Enhed                                                                                                                                                                                                                                |
| I    | Simbol                                                                                                                                                                                                                                  | Simbol                                                                                                                                                                                                                                                                     | Symbol                                                                                                                                                                                                                               |
| J    | Vrednost                                                                                                                                                                                                                                | Vrednost                                                                                                                                                                                                                                                                   | Værdi                                                                                                                                                                                                                                |
| K    | Jedinica                                                                                                                                                                                                                                | Enota                                                                                                                                                                                                                                                                      | Enhed                                                                                                                                                                                                                                |
| L    | Nazivni kapacitet hlađenja                                                                                                                                                                                                              | Nazivna zmogljivost hlajenja                                                                                                                                                                                                                                               | Nominel kølekapacitet                                                                                                                                                                                                                |
| M    | $P_{heating,c}$                                                                                                                                                                                                                         | $P_{heating,c}$                                                                                                                                                                                                                                                            | $P_{heating,c}$                                                                                                                                                                                                                      |
| N    | Sezonska energetska efikasnost hlađenja prostorija                                                                                                                                                                                      | Sezonska energijska učinkovitost pri hlajenju prostorov                                                                                                                                                                                                                    | Årsvirkningsgrad ved rumkøling                                                                                                                                                                                                       |
| O    | Deklarisani kapacitet hlađenja za delimično opterećenje pri datim spoljašnjim temperaturama Tj i unutrašnjih 27°C/19°C (sa suvom/vlažnom kuglom)                                                                                        | Označena zmogljivost hlajenja za delno obremenitev pri zunanji temperaturi Tj in notranji temperaturi 27 °C/19 °C (suh/moker termometer)                                                                                                                                   | Angivet kølekapacitet for partiel belastning ved givne udendørstemperaturer Tj og indendørs 27 °C/19 °C (tør/våd temperatur)                                                                                                         |
| P    | Deklarisani odnos energetske efikasnosti za delimično opterećenje pri datim spoljnim temperaturama Tj                                                                                                                                   | Označeno razmerje energetske učinkovitosti za delno obremenitev pri zunanji temperaturi Tj                                                                                                                                                                                 | Angivet energieffektivitetskoefficient for partiel belastning ved givne udendørstemperaturer Tj                                                                                                                                      |
| Q    | Koeficijent degradacije za klima-uređaje                                                                                                                                                                                                | Količnik poslabšanja delovanja za klimatske naprave                                                                                                                                                                                                                        | Nedbrydningskoefficient for ventilationsaggregater                                                                                                                                                                                   |
| R    | Nazivni kapacitet grejanja                                                                                                                                                                                                              | Nazivna zmogljivost ogrevanja                                                                                                                                                                                                                                              | Nominel varmekapacitet                                                                                                                                                                                                               |
| S    | Sezonska energetska efikasnost zagrevanja prostorija                                                                                                                                                                                    | Sezonska učinkovitost greja prostorov                                                                                                                                                                                                                                      | Sæsonenergieffektivitet for rumopvarmning                                                                                                                                                                                            |
| T    | Deklarisani kapacitet grejanja za delimično opterećenje pri unutrašnjoj temperaturi od 20°C i spoljašnjoj temperaturi Tj                                                                                                                | Označena zmogljivost ogrevanja za delno obremenitev pri notranji temperaturi 20 °C in zunanji temperaturi Tj                                                                                                                                                               | Angivet varmekapacitet for partiel belastning ved indendørstemperatur 20 °C og udendørstemperatur Tj                                                                                                                                 |
| U    | Deklarisani koeficijent učinka* / prosečnoj sezoni, pri unutrašnjoj temperaturi od 20°C i spoljašnjoj temperaturi Tj                                                                                                                    | Označen koeficijent zmogljivosti*/povprečna sezona, pri notranji temperaturi 20 °C in zunanji temperaturi Tj                                                                                                                                                               | Angivet varmefaktor*/gennemsnitssæson ved indendørstemperatur 20 °C og udendørstemperatur Tj                                                                                                                                         |
| V    | $T_{biv}$ = bivalentna temperatura                                                                                                                                                                                                      | $T_{biv}$ = bivalentna temperatura                                                                                                                                                                                                                                         | $T_{biv}$ = bivalent temperatur                                                                                                                                                                                                      |
| W    | $T_{OL}$ = operativni limit                                                                                                                                                                                                             | $T_{OL}$ = obratovalna omejitev                                                                                                                                                                                                                                            | $T_{OL}$ = driftsgrænse                                                                                                                                                                                                              |
| X    | Za toplotne pumpe vazduh-voda: Tj = -15°C (ako je $T_{OL}$ < -20°C)                                                                                                                                                                     | Za toplotne črpalke zrak-voda: Tj = -15 °C (če je $T_{OL}$ < -20 °C)                                                                                                                                                                                                       | Til luft-vand-varmepumpe: Tj = -15 °C (hvis $T_{OL}$ < -20 °C)                                                                                                                                                                       |
| Y    | Za toplotne pumpe voda-vazduh: Tj = -15°C (ako je $T_{OL}$ < -20°C)                                                                                                                                                                     | Za toplotne črpalke voda-zrak: Tj = -15 °C (če je $T_{OL}$ < -20 °C)                                                                                                                                                                                                       | Til vand-luft-varmepumpe: Tj = -15 °C (hvis $T_{OL}$ < -20 °C)                                                                                                                                                                       |
| Z    | Bivalentna temperatura                                                                                                                                                                                                                  | Bivalentna temperatura                                                                                                                                                                                                                                                     | Bivalent temperatur                                                                                                                                                                                                                  |
| AA   | Za toplotne pumpe voda-vazduh: Temperatura operativnog limita                                                                                                                                                                           | Za toplotne črpalke voda-zrak: mejna delovna temperatura                                                                                                                                                                                                                   | Til vand-luft-varmepumpe: Driftsgrænsetemperatur                                                                                                                                                                                     |
| AB   | Koeficijent degradacije toplotnih pumpi (**)                                                                                                                                                                                            | Količnik poslabšanja delovanja za toplotne črpalke (**)                                                                                                                                                                                                                    | Nedbrydningskoefficient for varmepumper (**)                                                                                                                                                                                         |
| AC   | Potrošnja struje u režimima koji nisu „aktivni režim“                                                                                                                                                                                   | Poraba energije v načinih, ki niso »aktivni načini«                                                                                                                                                                                                                        | Energiforbrug i andre tilstande end 'aktiv tilstand'                                                                                                                                                                                 |
| AD   | Dodatni grejač                                                                                                                                                                                                                          | Dodatni grelnik                                                                                                                                                                                                                                                            | Ekstra varmelegeme                                                                                                                                                                                                                   |
| AE   | Isključen režim                                                                                                                                                                                                                         | Način Off (izkllop)                                                                                                                                                                                                                                                        | Slukket tilstand                                                                                                                                                                                                                     |
| AF   | Rezervni kapacitet grejanja                                                                                                                                                                                                             | Rezervna zmogljivost ogrevanja                                                                                                                                                                                                                                             | Backup varmekapacitet                                                                                                                                                                                                                |
| AG   | Režim isključenog termostata                                                                                                                                                                                                            | Način izklpota termostata                                                                                                                                                                                                                                                  | Termostat – slukket tilstand                                                                                                                                                                                                         |
| AH   | Tip unosa energije                                                                                                                                                                                                                      | Vrsta vnosa energije                                                                                                                                                                                                                                                       | Energindsats type                                                                                                                                                                                                                    |
| AI   | Režim grejača u grejnom kućištu                                                                                                                                                                                                         | Način delovanja grelnika ohišja                                                                                                                                                                                                                                            | Krumptaphusets varmelegemetilstand                                                                                                                                                                                                   |
| AJ   | Režim pripravnosti                                                                                                                                                                                                                      | Način pripravljenosti                                                                                                                                                                                                                                                      | Standbytilstand                                                                                                                                                                                                                      |
| AK   | Druge stavke                                                                                                                                                                                                                            | Drugi elementi                                                                                                                                                                                                                                                             | Andre elementer                                                                                                                                                                                                                      |
| AL   | Kontrola kapaciteta                                                                                                                                                                                                                     | Upravljanje zmogljivosti                                                                                                                                                                                                                                                   | Kapacitetskontrol                                                                                                                                                                                                                    |
| AM   | fiksno/fazno/varijabilno                                                                                                                                                                                                                | fiksna/fazna/spremenljiva                                                                                                                                                                                                                                                  | fast/trinvis/variabel                                                                                                                                                                                                                |
| AN   | brzina protoka vazduha, merenje napolju                                                                                                                                                                                                 | stopnja pretoka zraka, izmerjeno zunaj                                                                                                                                                                                                                                     | trykluftforbrug, målt udendørs                                                                                                                                                                                                       |
| AO   | Nivo jačine zvuka za režim hlađenja (unutra/napolju)                                                                                                                                                                                    | Raven zvočne moči za način hlajenja (znotraj/zunaj)                                                                                                                                                                                                                        | Lydeffektniveau for køletilstand (indendørs/udendørs)                                                                                                                                                                                |
| AP   | Nivo jačine zvuka za režim grejanja (unutra/napolju)                                                                                                                                                                                    | Raven zvočne moči za način ogrevanja (znotraj/zunaj)                                                                                                                                                                                                                       | Lydeffektniveau for varmetilstand (indendørs/udendørs)                                                                                                                                                                               |
| AQ   | Emisije azot-oksida (ako je primenljivo)                                                                                                                                                                                                | Emisije dušikovih oksidov (če se uporablja)                                                                                                                                                                                                                                | Udledninger af nitrogenoxid (hvis relevant)                                                                                                                                                                                          |
| AR   | mg/kWh vnosa goriva GCV                                                                                                                                                                                                                 | mg/kWh vnosa goriva GCV                                                                                                                                                                                                                                                    | mg/kWh brændstoftilførsel GCV                                                                                                                                                                                                        |
| AS   | Za toplotne pumpe tipa voda/slana voda-vazduh: Nazivni protok slane vode ili vode, spoljašnji izmenjivač toplotne                                                                                                                       | Za toplotne črpalke voda/slanaica-zrak: Ocenjena slanica ali ocenjen pretok vode, zunanji toplotni izmenjivalnik                                                                                                                                                           | For vand/brine-luft-varmepumpe: Fastsat brine- eller vandtrykforbrug, varmeveksler på udendørs side.//                                                                                                                               |
| AT   | GWP hladnjaka                                                                                                                                                                                                                           | GWP hladinega sredstva                                                                                                                                                                                                                                                     | GWP af kølemiddel                                                                                                                                                                                                                    |
| AU   | kgCO <sub>2</sub> ekv. (100 godine)                                                                                                                                                                                                     | kgCO <sub>2</sub> eq (100 leti)                                                                                                                                                                                                                                            | kgCO <sub>2</sub> eq (100 år)                                                                                                                                                                                                        |
| AV   | Kontakt detalji                                                                                                                                                                                                                         | Podatki za stik                                                                                                                                                                                                                                                            | Kontaktoplysninger                                                                                                                                                                                                                   |
| AW   | *** Ako Cd nije određen merenjem, onda podrazumevani koeficijent degradacije iznosi 0,25.                                                                                                                                               | ***= Če vrednost za Cd ni določena z merjenjem, je privzeti količnik poslabšanja delovanja 0,25.                                                                                                                                                                           | ***= Hvis Cd ikke bestemmes ud fra måling, skal standardnedbrydningskoefficienten være 0,25.                                                                                                                                         |
| AX   | *** Od 26. septembra 2018.                                                                                                                                                                                                              | *** Od 26. septembra 2018.                                                                                                                                                                                                                                                 | *** Fra 26. september 2018.                                                                                                                                                                                                          |
| AY   | Gde se informacije odnose na multi-split toplotne pumpe, rezultati testa i podaci o učinku se mogu dobiti na osnovu učinka spoljašnje jedinice, sa kombinacijom unutrašnjih(jih) jedinica(a) koje je preporučio proizvođač ili uvoznik. | Kjer se informacije nanašajo na razdeljene toplotne črpalke, so lahko rezultati preskusov in podatki o učinkovitosti delovanja pridobljeni na podlagi učinkovitosti delovanja zunanje enote v kombinaciji z notranjimi enotami, ki jih priporoča proizvajalec ali uvoznik. | Hvor oplysningerne relaterer til multi-split-varmepumper, kan testresultater og data om ydeevne fås på grundlag af indendørsenhedens ydeevne, med en kombination af indendørsenheder, der anbefales af producenten eller importøren. |
| AZ   | Sa toplotnim pumpama sa multi-split sistemom mogu da se koriste sledeće unutrašnje jedinice:                                                                                                                                            | Večkrat deljenje toplotne črpalke lahko uporabljate s spodnjimi notranjimi enotami:                                                                                                                                                                                        | Følgende indendørsenheder kan bruges sammen med dem, når der bruges multi-split-varmepumper:                                                                                                                                         |

| No   | Swedish (SV)                                                                                                                                                                                                                                  | Finnish (FI)                                                                                                                                                                                                                                      | Estonian (ET)                                                                                                                                                                                     |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| I)   | KOMMISSIONENS FÖRORDNING (EU) nr 2016/2281                                                                                                                                                                                                    | KOMISSIO ASETUS (EU) Nro. 2016/2281                                                                                                                                                                                                               | KOMISJONI MÄÄRUS (EL) nr 2016/2281                                                                                                                                                                |
| II)  | EKODESIGNKRAV FÖR värmepumpar/luftkonditioneringar                                                                                                                                                                                            | lämpö-/ilmapumpujen EKOLOGISTA SUUNNITTELUA KOSKEVAT VAATIMUKSET                                                                                                                                                                                  | ÕKODISAINI NÕUDED soojuspumpade/kliimaseadmetele                                                                                                                                                  |
| III) | Informationskrav                                                                                                                                                                                                                              | Tietovaatimukset                                                                                                                                                                                                                                  | Nõutud teave                                                                                                                                                                                      |
| A    | Information för att identifiera modellen/modellerna som informationen handlar om:                                                                                                                                                             | Tiedot sen mallin (niiden mallien) yksilöimiseksi, jota (joita) tiedot koskevat:                                                                                                                                                                  | Teave, mille alusel tuvastada mudelid, millesse see teave puutub:                                                                                                                                 |
| B    | Värmepumpens/luftkonditioneringens värmekälla, utomhussidan: (välj: luft/vatten/saltlösning)                                                                                                                                                  | Lämpö-/ilmapumpun ulkolämpönsiirrin: (valitaan yksi: ilma/vesi/suolavesi)                                                                                                                                                                         | Soojuspumba/kliimaseadme välisosa soojusvaheti: (valige sobiv: õhk/vesi/soolalahus)                                                                                                               |
| C    | Värmepumpens/luftkonditioneringens värmekälla, inomhussidan: (välj: luft/vatten/saltlösning)                                                                                                                                                  | Lämpö-/ilmapumpun sisälämpönsiirrin: (valitaan yksi: ilma/vesi/suolavesi)                                                                                                                                                                         | Soojuspumba/kliimaseadme siseosa soojusvaheti: (valige sobiv: õhk/vesi/soolalahus)                                                                                                                |
| D    | Angivelse om värmaren är utrustad med en kompletterande värmare: ja/nej                                                                                                                                                                       | Onko lämmitin varustettu lisälämmittimellä: kyllä/ei                                                                                                                                                                                              | Teave, kas soojendi on varustatud lisaküttekehaga: jah/ei                                                                                                                                         |
| E    | Typ: [kompressordriven ångkompression eller sorptionsprocess]                                                                                                                                                                                 | Tyyppi: [kompressorikäyttöinen höyrypuristus tai sorptioprosessi]                                                                                                                                                                                 | Tüüp: [kompressoriga juhitav auru tihendamise või neeldumise protsess]                                                                                                                            |
| F    | Om tillämpligt: medbringare för kompressor: [elmotor eller bränsle driven, gas eller flytande bränsle, intern eller extern förbränningsmotor]                                                                                                 | Tarvittaessa: kompressorin käyttövoima: [sähkömoottori- tai polttoainekäyttöinen, kaasumainen tai nestemäinen polttoaine, sisäinen tai ulkoinen polttomoottori]                                                                                   | Kohalduvusel: kompressori ajam: [elektril või kütsel töötav mootor, gaasiline või vedelikutus, sissemine või välise sise põlemismootor]                                                           |
| G    | Parameterna ska anges för den genomsnittliga uppvärmningssäsongen, parametrar för varm respektive kall uppvärmningssäsong är frivilliga.                                                                                                      | Parametrit ilmoitetaan keskimääräiseltä lämmityksikaudelta, lämpimän ja kylmän lämmityksikauden parametrit ovat valinnaisia.                                                                                                                      | Parameetrid teatatakse keskmise küttehooja kohta, soojemate ja külmemate küttehoodega puhul on parameetrid valikulised.                                                                           |
| H    | Artikeli                                                                                                                                                                                                                                      | Kohde                                                                                                                                                                                                                                             | Osa                                                                                                                                                                                               |
| I    | Symbol                                                                                                                                                                                                                                        | Symboli                                                                                                                                                                                                                                           | Sümbol                                                                                                                                                                                            |
| J    | Värde                                                                                                                                                                                                                                         | Arvo                                                                                                                                                                                                                                              | Väärtus                                                                                                                                                                                           |
| K    | Enhet                                                                                                                                                                                                                                         | Yksikkö                                                                                                                                                                                                                                           | Ühik                                                                                                                                                                                              |
| L    | Nominell kylkapacitet                                                                                                                                                                                                                         | Nimellinen jäähdytysteho                                                                                                                                                                                                                          | Nimijähtusvõimsus                                                                                                                                                                                 |
| M    | P <sub>klassade</sub>                                                                                                                                                                                                                         | P <sub>ratetec</sub>                                                                                                                                                                                                                              | P <sub>ratetec</sub>                                                                                                                                                                              |
| N    | Säsongsmedelverkningsgrad för rumskylning                                                                                                                                                                                                     | Tilajäähdytyksen kausittainen energiatehokkuus                                                                                                                                                                                                    | Jähtuse sesoonne energiatehokkus                                                                                                                                                                  |
| O    | Deklarerad kylkapacitet för delast vid givna utomhustemperaturer Tj och inomhus 27 °C/19 °C (torr/vät termometer)                                                                                                                             | Ilmoitettu jäähdytysteho osakuormituksella ulkolämpötilassa Tj ja sisälämpötilassa 27 °C/19 °C (kuiva/märkä)                                                                                                                                      | Teatatud jähtusvõimsus osalise koormusel antud välistemperatuuride Tj ja sisetemperatuuril 27 °C/19 °C juures (kuiv-/märgtermomeeter)                                                             |
| P    | Deklarerad energieffektivitetskvot för delast vid givna utomhustemperaturer Tj                                                                                                                                                                | Ilmoitettu energiakerron osakuormituksella ulkolämpötilassa Tj                                                                                                                                                                                    | Teatatud energiatehokkussuhte osalise koormusel antud välistemperatuuridel Tj                                                                                                                     |
| Q    | Tomgångsförlust för luftkonditioneringar                                                                                                                                                                                                      | Ilmastointilaitteiden alenemiskerroin                                                                                                                                                                                                             | Õhukonditsioneeride degradatsioonitegur                                                                                                                                                           |
| R    | Nominell värmekapacitet                                                                                                                                                                                                                       | Nimellinen lämmitysteho                                                                                                                                                                                                                           | Nimisoojendusvõimsus                                                                                                                                                                              |
| S    | Energieffektiv säsongsuppvärmning                                                                                                                                                                                                             | Kausittain lämmitysergiatehokkuus                                                                                                                                                                                                                 | Ruumide hooajalise kütmise energiatehokkus                                                                                                                                                        |
| T    | Deklarerad värmekapacitet för delast vid inomhustemperatur 20 °C och utomhustemperatur Tj                                                                                                                                                     | Ilmoitettu lämmitysteho osakuormalla sisälämpötilassa 20 °C ja ulkolämpötilassa Tj                                                                                                                                                                | Teatatud soojendusvõimsus osalise koormusel sisetemperatuuril 20 °C ja välistemperatuuril Tj                                                                                                      |
| U    | Deklarerad resultatkoeficient*/genomsnittlig säsong, vid inomhustemperatur 20 °C och utomhustemperatur Tj                                                                                                                                     | Ilmoitettu tehokkuuskerroin* / keskimääräinen kausi sisälämpötilassa 20 °C ja ulkolämpötilassa Tj                                                                                                                                                 | Teatatud jõudlustegur* / keskmise hooaeg, sisetemperatuuril 20 °C ja välistemperatuuril Tj                                                                                                        |
| V    | T <sub>bw</sub> = bivalenttemperatur                                                                                                                                                                                                          | T <sub>bw</sub> = kaksiaarvoinen lämpötila                                                                                                                                                                                                        | T <sub>bw</sub> = kahevalentne temperatuur                                                                                                                                                        |
| W    | T <sub>0</sub> = driftsgräns                                                                                                                                                                                                                  | T <sub>0</sub> = toimintarajalämpötila                                                                                                                                                                                                            | T <sub>0</sub> = tööpiir                                                                                                                                                                          |
| X    | För luft/vattenvärmepumpar: Tj = -15 °C (om T <sub>0</sub> < -20 °C)                                                                                                                                                                          | Ilma-vesilämpöpumpuille: Tj = -15 °C (jos T <sub>0</sub> < -20 °C)                                                                                                                                                                                | Õhk-vesi-soojuspumbad: Tj = -15 °C (kui T <sub>0</sub> < -20 °C)                                                                                                                                  |
| Y    | För luft/vattenvärmepumpar: Tj = -15 °C (om T <sub>0</sub> < -20 °C)                                                                                                                                                                          | Vesi-ilmalämpöpumput: Tj = -15 °C (jos T <sub>0</sub> < -20 °C)                                                                                                                                                                                   | For water-to-air heat pumps: Tj = -15 °C (kui T <sub>0</sub> < -20 °C)                                                                                                                            |
| Z    | Bivalenttemperatur                                                                                                                                                                                                                            | Kaksiaarvoinen lämpötila                                                                                                                                                                                                                          | Kahevalentne temperatuur                                                                                                                                                                          |
| AA   | För vatten/luftvärmepumpar: driftsgränstemperatur                                                                                                                                                                                             | Vesi-ilmalämpöpumpuille: Toimintarajalämpötila                                                                                                                                                                                                    | Vesi-õhk-soojuspumbad: töö temperatuuripiirang                                                                                                                                                    |
| AB   | Tomgångsförlust för värmepumpar (**)                                                                                                                                                                                                          | Alenemiskerroinilämpöpumput (**)                                                                                                                                                                                                                  | Soojuspumpade degradatsioonitegur (**)                                                                                                                                                            |
| AC   | Energiförbrukning i andra lägen än det aktiva                                                                                                                                                                                                 | Tehonkulutus muissa tiloissa kuin aktiivisessa toimintatilassa                                                                                                                                                                                    | Energatarve muudes režiimides peale aktiivse režiimi                                                                                                                                              |
| AD   | Kompletterande värmare                                                                                                                                                                                                                        | Lisälämmitin                                                                                                                                                                                                                                      | Lisasojendi                                                                                                                                                                                       |
| AE   | Läget Av                                                                                                                                                                                                                                      | Pois päältä -tila                                                                                                                                                                                                                                 | Väljalülitatud režiim                                                                                                                                                                             |
| AF   | Backup-värmekapacitet                                                                                                                                                                                                                         | Varalämmitysteho                                                                                                                                                                                                                                  | Varusoojendusvõimsus                                                                                                                                                                              |
| AG   | Termostast av-läge                                                                                                                                                                                                                            | Termostaatti pois päältä -tila                                                                                                                                                                                                                    | Väljalülitatud termostaadiga režiim                                                                                                                                                               |
| AH   | Typ av energitillförsel                                                                                                                                                                                                                       | Energiatulon tyyppi                                                                                                                                                                                                                               | Energiasendi tüüp                                                                                                                                                                                 |
| AI   | Vevhusvärmaläge                                                                                                                                                                                                                               | Kampikammion lämmitys-tila                                                                                                                                                                                                                        | Õivanni kütterežiim                                                                                                                                                                               |
| AJ   | Standbyläge                                                                                                                                                                                                                                   | Valmistila                                                                                                                                                                                                                                        | Ooterežiim                                                                                                                                                                                        |
| AK   | Andra artiklar                                                                                                                                                                                                                                | Muut ominaisuudet                                                                                                                                                                                                                                 | Muud nimetused                                                                                                                                                                                    |
| AL   | Kapacitetskontroll                                                                                                                                                                                                                            | Tehonsäätö                                                                                                                                                                                                                                        | Mahtuvuse juhtimine                                                                                                                                                                               |
| AM   | fast/stegvis/variabel                                                                                                                                                                                                                         | kiinteä/kaksiportainen/muuttuva                                                                                                                                                                                                                   | fikseeritud/astmeline/muudetav                                                                                                                                                                    |
| AN   | luftflöde, utomhustemperatur                                                                                                                                                                                                                  | ilmavirta, ulkona mitattu                                                                                                                                                                                                                         | õhu voolukiirus, mõõdetud väljas                                                                                                                                                                  |
| AO   | Ljudeffektivitet för kylningsläge (inomhus/utomhus)                                                                                                                                                                                           | Äänitehotaso jäähdytysässä (sisällä/ulkona)                                                                                                                                                                                                       | Helivõimsustase jähtusrežiimis (sees/väljas)                                                                                                                                                      |
| AP   | Ljudeffektivitet för uppvärmningsläge (inomhus/utomhus)                                                                                                                                                                                       | Äänitehotaso lämmitettäessä (sisällä/ulkona)                                                                                                                                                                                                      | Helivõimsustase soojendusrežiimis (sees/väljas)                                                                                                                                                   |
| AQ   | Utsläpp av kväveoxider (om tillämpligt)                                                                                                                                                                                                       | Typen osidien päästöt (tarvittaessa)                                                                                                                                                                                                              | Lämmastikoksiidi heitmed (kohalduvusel)                                                                                                                                                           |
| AR   | mg/kWh bränslemängd GCV                                                                                                                                                                                                                       | mg / polttoainepainoksen kWh                                                                                                                                                                                                                      | mg/kWh kütuse ülemine sisenä kütteväärtus (GCV)                                                                                                                                                   |
| AS   | För vatten/saltlösning-luftvärmepumpar: Nominell hastighet för saltlösning/vatten, värmekälla på utomhussidan                                                                                                                                 | Vesi/suolavesi-ilmalämpöpumpuista: suolaveden tai veden nimellisvirtaus, ulkolämpönsiirrin                                                                                                                                                        | Vesisoojuspumbad / soolalahus-õhk-soojuspumbad: soolalahuse või vee nimivoolukiirus, välise soojusvaheti                                                                                          |
| AT   | GWP av köldmedel                                                                                                                                                                                                                              | Kylmäaineen GWP                                                                                                                                                                                                                                   | Jähtusaine globaalse soojendamise potentsiaal (GWP)                                                                                                                                               |
| AU   | kgCO <sub>2</sub> e (100 år)                                                                                                                                                                                                                  | kgCO <sub>2</sub> e (100 vuotta)                                                                                                                                                                                                                  | kgCO <sub>2</sub> e (100 aastat)                                                                                                                                                                  |
| AV   | Kontaktuppgifter                                                                                                                                                                                                                              | Yhteyshiedot                                                                                                                                                                                                                                      | Kontaktandmed                                                                                                                                                                                     |
| AW   | **= Om Cd inte fastställs genom mätning ska tomgångsförlusten som standard vara 0,25.                                                                                                                                                         | ** = Jos Cd:n arvoa ei määritetä mittaamalla, alenemiskertoimen oletusarvo on 0,25.                                                                                                                                                               | ** = kui Cd-d ei määrata mõõtmisega, on degradeerumise vaikeategur 0,25.                                                                                                                          |
| AX   | *** Från och med den 26 september 2018.                                                                                                                                                                                                       | *** Syyskuun 26. päivästä 2018.                                                                                                                                                                                                                   | *** 26. septembrist 2018.                                                                                                                                                                         |
| AY   | I de fall då informationen handlar om multisplit-värmepumpar kan testresultat och prestandauppgifter erhållas på grundval av utomhustemperatur, med en kombination av inomhustemperaturer som rekommenderas av tillverkaren eller importören. | Jos tiedot koskevat multisplit-lämpöpumpuja, testitulokset ja suorituskykytiedot voidaan saada ulkoilmasiirron suorituskyvyn perusteella, kun se on yhdistetty yhteen tai useampaan valmistajan tai maahantuojan suosittelemaan sisäilmasiirtoon. | Kui teave puudub mitme siseadmega soojuspumpasid, võidakse kontrollitulemused ja jõudlusandmed hankida väliseadme jõudluse põhjal kombinatsioonil tootja või maaletootja soovitatud siseadmetelt. |
| AZ   | Följande inomhustemperaturer kan användas tillsammans med Multi Split-värmepumpar:                                                                                                                                                            | Seuraavia sisäilmasiirtoa voidaan käyttää multi-split-lämpöpumpujen kanssa:                                                                                                                                                                       | Mitme siseosaga soojuspumpadega saab kasutada järgmisi siseadmeid:                                                                                                                                |



| No   | Latvian (LV)                                                                                                                                                                                                             | Lithuanian (LT)                                                                                                                                                                                                                     | Maltese(MT)                                                                                                                                                                                                                                                |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| I)   | KOMISIJAS REGULA (ES) 2016/2281                                                                                                                                                                                          | KOMISIJOS REGLAMENTAS (ES) Nr. 2016/2281                                                                                                                                                                                            | REGOLAMENT TAL-KUMMISSJONI (UE) Nru. 2016/2281                                                                                                                                                                                                             |
| II)  | EKODIZAINA PRASIĖBAS siltumsūkņiem/gaisa kondicionētājiem                                                                                                                                                                | EKOLOGINIO PROJEKTAIVIMO REIKALAVIMAI šilumos siurbliams / oro kondicionieriams                                                                                                                                                     | REKWIŽITI ECODESIGN GHAI heat pumps/air conditioners                                                                                                                                                                                                       |
| III) | Informācijas prasības                                                                                                                                                                                                    | Informācijas reikalavimai                                                                                                                                                                                                           | Rekwižiti tal-informazzjoni                                                                                                                                                                                                                                |
| A    | Informācija, kas jau identificēt modelī(-us), uz kuriem attiecas šī informācija:                                                                                                                                         | Informācija, skirta identifiкуoti modeliui (-ams), su kuriuo (-ais) ši informacija susijusi:                                                                                                                                        | Informazzjoni biex tidentifika l-model(s) li għaliha/ għalihom tirreferi l-informazzjoni:                                                                                                                                                                  |
| B    | Siltumsūkņu/gaisa kondicionētāju āra siltummainis: (izvēlieties: gaiss/ūdens/sālsūdens)                                                                                                                                  | Šilumos siurblio / oro kondicionieriaus šilumokaičio lauko pusė: [pasirinkite, kuris: oras / vanduo / druskos tirpalas]                                                                                                             | Side heat exchanger ta' barra tal-heat pump/air conditioners: [aġġel liema: arja/ilma/brine]                                                                                                                                                               |
| C    | Siltumsūkņu/gaisa kondicionētāju iekšējo siltummainis: (izvēlieties: gaiss/ūdens/sālsūdens)                                                                                                                              | Šilumos siurblio / oro kondicionieriaus šilumokaičio vidinė pusė: [pasirinkite, kuris: oras / vanduo / druskos tirpalas]                                                                                                            | Side heat exchanger ta' ġewwa tal-heat pump/air conditioners: [aġġel liema: arja/ilma/brine]                                                                                                                                                               |
| D    | Norādījumi part, vai sildītājs ir aprīkots ar papildu sildītāju: jā/nē                                                                                                                                                   | Indikacija, ar šildytuve įrengtas pagalbinis šildytuvas: taip / ne                                                                                                                                                                  | Indikazzjoni jekk il-heater hu mġhammar b'heater supplementari: iva/le                                                                                                                                                                                     |
| E    | Veids: [kompresora dzinēja tvaika saspišanas vai sorbcijas process]                                                                                                                                                      | Tipas: [kompresoriumi varomas garų suspausimas arba sorbcijos procesas]                                                                                                                                                             | Tip: [compressor driven vapour compression jew sorption process]                                                                                                                                                                                           |
| F    | Ja tas ir piemērojams – kompresora dzinējs (elektromotrs vai degvielas dzinējs, gāzveida vai šķidrās degvielas, iekšdedzes vai ārēdedzes dzinējs)                                                                        | Jei taikoma: kompresoriaus pavaras: [varomas elektros variklio arba degalais, dujos ar skysti degalai, vidinis arba išorinis degimo variklis]                                                                                       | Jekk applikabbli: driver tal-kompresur: [electric motor jew fuel driven, fuel tal-gass jew likvidu, combustion engine interna jew esterna]                                                                                                                 |
| G    | Parametri ir jādeklarē, ņemot vērā apsildes sezonas vidējās rādītājus, siltākas un aukstākas apsildes sezonas parametri ir neobligāti.                                                                                   | Parametri bus nustatyti vidutiniam šildymo sezonui, šiltesniems ir šaltesniems šildymo sezonams parametrai nustatomi papildomai.                                                                                                    | Il-parametri se jių dđikarati għal staġun medju ta' tishin; il-parametri għall-istaguni ta' tishin iktar shan jew keshin mhumieks obligatorji.                                                                                                             |
| H    | Priekšmets                                                                                                                                                                                                               | Elementas                                                                                                                                                                                                                           | Fattur                                                                                                                                                                                                                                                     |
| I    | Apzīmējums                                                                                                                                                                                                               | Simbolis                                                                                                                                                                                                                            | Simbolu                                                                                                                                                                                                                                                    |
| J    | Vērtība                                                                                                                                                                                                                  | Reikšmė                                                                                                                                                                                                                             | Valur                                                                                                                                                                                                                                                      |
| K    | Mērvienība                                                                                                                                                                                                               | Įrenginys                                                                                                                                                                                                                           | Unità                                                                                                                                                                                                                                                      |
| L    | Nominālā dzesēšanas spēja                                                                                                                                                                                                | Nominali aušinimo galia                                                                                                                                                                                                             | Kapaçità nominali tat-tkessih                                                                                                                                                                                                                              |
| M    | P <sub>nominal,c</sub>                                                                                                                                                                                                   | P <sub>nominal,c</sub>                                                                                                                                                                                                              | P <sub>rated,c</sub>                                                                                                                                                                                                                                       |
| N    | Telpu dzesēšanas sezonas energoefektivitāte                                                                                                                                                                              | Sezoninis patalpų vėsinimo energijos vartojimo efektyvumas                                                                                                                                                                          | Effiçienza enerġetika staġionali tat-tkessih tal-post                                                                                                                                                                                                      |
| O    | Deklarētā dzesēšanas spēja pie nepilnas slodzes ar norādīto āra temperatūru T <sub>j</sub> un iekšējo temperatūru 27 °C/19 °C (sausais/mitrais termometrs)                                                               | Deklaruojama aušinimo galia esant dalinei apkrovai, kai lauko temperatūra T <sub>j</sub> o patalpoje 27°C /19°C (saus / šlapia kolbutė)                                                                                             | Cooling capacity iddikjarata għal part load f'temperaturi specifiçi fuq barra T <sub>j</sub> u ġewwa 27°C/19°C (dry/wet bulb)                                                                                                                              |
| P    | Deklarētais energoefektivitātes koeficients pie nepilnas slodzes ar norādīto āra temperatūru T <sub>j</sub>                                                                                                              | Deklaruojamas energijos efektyvumo santyiks, esant dalinei apkrovai ir duota lauko temperatūra T <sub>j</sub>                                                                                                                       | Proporzjon ta' effiçienza ta' enerġija dđikjarat għal part load f'temperaturi specifiçi fuq barra T <sub>j</sub>                                                                                                                                           |
| Q    | Āra kondicionētāja degradācijas koeficients                                                                                                                                                                              | Oro kondicionierių degradacijos koeficientas                                                                                                                                                                                        | Co-efficient ta' degradazzjoni għall-air conditioners                                                                                                                                                                                                      |
| R    | Nominālā sildīšanas jauda                                                                                                                                                                                                | Nominali šildymo galia                                                                                                                                                                                                              | Kapaçità nominali tat-tishin                                                                                                                                                                                                                               |
| S    | Sezonālās telpu apsildes energoefektivitāte                                                                                                                                                                              | Sezoninis erdvės šildymo energijos efektyvumas                                                                                                                                                                                      | Effiçienza tal-enerġija staġionali tat-tishin taz-zona                                                                                                                                                                                                     |
| T    | Deklarētā sildīšanas jauda pie nepilnas slodzes ar iekšējo temperatūru 20 °C un āra temperatūru T <sub>j</sub>                                                                                                           | Deklaruojama šildymo galia esant dalinei apkrovai, vidaus temperatūrai 20 °C, bei lauko temperatūrai T <sub>j</sub>                                                                                                                 | Heating capacity iddikjarata għal part load f'temperatura fuq ġewwa ta' 20 °C u temperatura fuq barra T <sub>j</sub>                                                                                                                                       |
| U    | Deklarētais lietderības koeficients* /sezonas vidējais ar iekšējo temperatūru 20 °C un āra temperatūru T <sub>j</sub>                                                                                                    | Deklaruojamas našumo koeficientas* / vidutiniam sezonui, esant vidaus temperatūrai 20 °C ir lauko temperatūrai T <sub>j</sub>                                                                                                       | Coefficient ta' prestazzjoni* / Staġun medju, f'temperatura fuq ġewwa ta' 20°C u temperatura fuq barra T <sub>j</sub>                                                                                                                                      |
| V    | T <sub>bw</sub> = bivalenta temperatūra                                                                                                                                                                                  | T <sub>bw</sub> = bivalentinė temperatūra                                                                                                                                                                                           | T <sub>bw</sub> = temperatura bivalenti                                                                                                                                                                                                                    |
| W    | T <sub>0L</sub> = ekspluatācijas robežvērtība                                                                                                                                                                            | T <sub>0L</sub> = darbinė riba                                                                                                                                                                                                      | T <sub>0L</sub> = limitu tal-operat                                                                                                                                                                                                                        |
| X    | Gaisa-ūdens siltumsūkņiem: T <sub>j</sub> = -15 °C (ja T <sub>0L</sub> < -20 °C)                                                                                                                                         | Oras-vanduo tipo šilumos siurbliams: T <sub>j</sub> = -15 °C (jeigu T <sub>0L</sub> < -20 °C)                                                                                                                                       | Għal air-to-water heat pumps: T <sub>j</sub> = -15°C (jekk T <sub>0L</sub> < -20°C)                                                                                                                                                                        |
| Y    | Ūdens-gaisa siltumsūkņiem: T <sub>j</sub> = -15 °C (ja T <sub>0L</sub> < -20 °C)                                                                                                                                         | Vanduo-oras tipo šilumos siurbliams: T <sub>j</sub> = -15 °C (jeigu T <sub>0L</sub> < -20 °C)                                                                                                                                       | Għal water-to-air heat pumps: T <sub>j</sub> = -15°C (jekk T <sub>0L</sub> < -20°C)                                                                                                                                                                        |
| Z    | Bivalenta temperatūra                                                                                                                                                                                                    | Bivalentinė temperatūra                                                                                                                                                                                                             | Temperatura bivalenti                                                                                                                                                                                                                                      |
| AA   | Ūdens-gaisa siltumsūkņiem: ekspluatācijas temperatūras robežvērtība                                                                                                                                                      | Vanduo-oras tipo šilumos siurbliams: darbinė ribinė temperatūra                                                                                                                                                                     | Għal water-to-air heat pumps: Limitu tat-temperatura tal-operat                                                                                                                                                                                            |
| AB   | Siltumsūkņu degradācijas koeficients (**)                                                                                                                                                                                | Šilumos siurblių degradacijos koeficientas (**)                                                                                                                                                                                     | Koeffiçient tad-degradazzjoni tal-pompi tas-shana (**)                                                                                                                                                                                                     |
| AC   | Elektroenerģijas patēriņš režīmā, kas nav aktīvais režīms                                                                                                                                                                | Enerģijos sąnaudos kitais režimais nei „aktyvus režimas“                                                                                                                                                                            | Konsum ta' enerġija f'modes li ma jkunux 'active mode'                                                                                                                                                                                                     |
| AD   | Papildu sildītājs                                                                                                                                                                                                        | Pagalbinis šildytuvas                                                                                                                                                                                                               | Hiter supplementari                                                                                                                                                                                                                                        |
| AE   | Izslēgta stāvokļa režīms                                                                                                                                                                                                 | Išjungtas režimas                                                                                                                                                                                                                   | Modalità Mitfi                                                                                                                                                                                                                                             |
| AF   | Rezerves sildīšanas jauda                                                                                                                                                                                                | Pagalbinio šildymo galia                                                                                                                                                                                                            | Kapaçità tat-tishin ta' emerġenza                                                                                                                                                                                                                          |
| AG   | Izslēgta termostata režīms                                                                                                                                                                                               | Termostato išjungimo režimas                                                                                                                                                                                                        | Modalità Termostat Mitfi                                                                                                                                                                                                                                   |
| AH   | Padotās enerģijas tips                                                                                                                                                                                                   | Tiekamos energijos tipas                                                                                                                                                                                                            | Tip ta' input tal-enerġija                                                                                                                                                                                                                                 |
| AI   | Kartera sildītāja režīms                                                                                                                                                                                                 | Karterio šildytuvo režimas                                                                                                                                                                                                          | Modalità tal-hiter tal-kisi tal-krank                                                                                                                                                                                                                      |
| AJ   | Gaidstāves režīms                                                                                                                                                                                                        | Parengties režimas                                                                                                                                                                                                                  | Modalità Stennija                                                                                                                                                                                                                                          |
| AK   | Citi vienumi                                                                                                                                                                                                             | Kiti elementai                                                                                                                                                                                                                      | Fatturi oħrajn                                                                                                                                                                                                                                             |
| AL   | Jaudas vadība                                                                                                                                                                                                            | Gaiios valdymas                                                                                                                                                                                                                     | Kontroll tal-kapaçità                                                                                                                                                                                                                                      |
| AM   | fiksēta/pakāpeniska/mainīga                                                                                                                                                                                              | fiksuotas / pakopomis / kintamas                                                                                                                                                                                                    | fiss/maqsum fi stadji/varjabbli                                                                                                                                                                                                                            |
| AN   | gaisa plūsmas ātrums, izmērīts ārpus telpām                                                                                                                                                                              | oro srauto greitis, išmatuotas lauke                                                                                                                                                                                                | rata tal-fluss tal-arja mkeġja fuq barra                                                                                                                                                                                                                   |
| AO   | Skāņas jaudas līmenis dzesēšanas režīmā (iekšelpu/āra)                                                                                                                                                                   | Garso galios lygis šaldymo režimu (patalpoje / lauke)                                                                                                                                                                               | Livell ta' enerġija tal-hoss għall-mode tat-tkessih (barra/ġewwa)                                                                                                                                                                                          |
| AP   | Skāņas jaudas līmenis apsildes režīmā (iekšelpu/āra)                                                                                                                                                                     | Garso galios lygis šildymo režimui(patalpoje / lauke)                                                                                                                                                                               | Livell ta' enerġija tal-hoss għall-mode tat-tishin (barra/ġewwa)                                                                                                                                                                                           |
| AQ   | Slāpekļa oksīdu emisija (ja piemērojams)                                                                                                                                                                                 | Azoto oksidų emisija (jei taikoma)                                                                                                                                                                                                  | Emissjonijiet tal-ossidi tan-nitroġenu (jekk applikabbli)                                                                                                                                                                                                  |
| AR   | mg/kWh ar degvielas padēvi GCV                                                                                                                                                                                           | mg/kWh degalų jeiga GCV                                                                                                                                                                                                             | mg/kWh ta' input abbaži tal-GCV                                                                                                                                                                                                                            |
| AS   | Ūdens/sālsūdens-gaisa siltumsūkņis: nominālais ūdens vai sālsūdens plūsmas ātrums, siltummainja āra iekārta                                                                                                              | Vanduo / druskos tirpalas-oras tipo šilumos siurbliai: Nominalus druskos tirpalo arba vandens srauto greitis, lauko pusės šilumokaitis                                                                                              | Għal water/brine-to air heat pumps: Rated brined jew rata tal-fluss tal-ilma, heat exchanger tan-naħa ta' barra                                                                                                                                            |
| AT   | Aukstumaģenta globālās sasīšanas potenciāls                                                                                                                                                                              | Šaltnešio GWP                                                                                                                                                                                                                       | GWP tar-refrigerant                                                                                                                                                                                                                                        |
| AU   | kgCO <sub>2</sub> vai līdzv. (100 gadi)                                                                                                                                                                                  | kgCO <sub>2</sub> eq (100 metai)                                                                                                                                                                                                    | kgCO <sub>2</sub> eq (100 sena)                                                                                                                                                                                                                            |
| AV   | Kontaktfinformācija                                                                                                                                                                                                      | Kontaktinė informacija                                                                                                                                                                                                              | Dettagli ta' min tista' tikkuntattja                                                                                                                                                                                                                       |
| AW   | **= Ja Cd nav noteikts, izmantojot mērījumus, tad noklusējuma degradācijas koeficients ir 0,25.                                                                                                                          | **= Jeigu Cd nenustatytas matuojant, tada numatytysis degradacijos koeficientas bus 0,25.                                                                                                                                           | **= Jekk Cd ma jkunx stabiliti permezz tal-keġ, allura d-default coefficient tad-degradazzjoni għandu jkun 0,25.                                                                                                                                           |
| AX   | *** Kopš 2018. gada 26. septembra.                                                                                                                                                                                       | *** Nuo 2018 m. rugšėjo 26 d.                                                                                                                                                                                                       | *** Mis-26 ta' Settembru 2018                                                                                                                                                                                                                              |
| AY   | Ja informācija attiecas uz divdaldīgajiem vairākanālu siltumsūkņiem, testa rezultātus un veikspējas datus var iegūt, izmantojot āra iekārtas veikspēju un lietojot ražotāja vai importētāja iekšējo iekārtu kombināciju. | Kai informacija susijusi su daugiašakiais šilumos siurbliais, bandymo rezultatus ir našumo duomenis galima gauti remiantis lauko įrenginio našumui, derinant su gamintojo ar importuotojo rekomenduojamų patalpų įrenginių (-iais). | Fejn l-informazzjoni tkun tirreferi għal multi-split, ir-riżultat tat-test u d-deġta tal-prestazzjoni jistgħu jinkisbu fuq il-baži tal-prestazzjoni tal-unit ta' barra, b'kombinazzjoni ta' unit(s) ta' ġewwa rakkomandati mill-manifattur jew importatur. |
| AZ   | Ar vairāku daļēju siltumsūkņiem var izmantot šādas iekšējo iekārtas:                                                                                                                                                     | Su daugiašakiais šilumos siurbliais gali būti naudojami toliau išvardinti patalpose sumontuoti įrenginiai:                                                                                                                          | Għal multi-split, lista ta' units ta' ġewwa adattati:                                                                                                                                                                                                      |





| No   | Türkçe (TR)                                                                                                                                                                                                                                                           |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| I)   | HAVA ISITMA ÜRÜNLERİ, SOĞUTMA ÜRÜNLERİ, YÜKSEK SICAKLIK PROSES ÇİLLERLERİ VE FANKOİL ÜNİTELERİ İLE İLGİLİ ÇEVREYE DUYARLI TASARIM GEREKLİLİKLERİNE DAİR TEBLİĞ (SGM: 2021/20)                                                                                         |
| II)  | Isı pompaları için çevreye duyarlı tasarım gereklilikleri / klima cihazları                                                                                                                                                                                           |
| III) | Bilgi gereklilikleri                                                                                                                                                                                                                                                  |
| A    | Model (ler): Bilginin ait olduğu model(ler)i tarif eden bilgi                                                                                                                                                                                                         |
| B    | Isı pompasının dış ortam ısı değiştiricisi :<br>[seçin:hava/su/salamura]                                                                                                                                                                                              |
| C    | Isı pompasının iç ortam ısı değiştiricisi :<br>[seçin:hava/su/salamura]                                                                                                                                                                                               |
| D    | Isıtıcı, ek bir ısıtıcı ile donatılmışsa bunun işareti: evet/hayır                                                                                                                                                                                                    |
| E    | Tip : Kompresör tahrikli buhar sıkıştırma veya sorpsiyon işlemi                                                                                                                                                                                                       |
| F    | Mevcut ise : Kompresörün sürücüsü<br>[elektrik motoru veya yakıtla çalışan, gaz veya sıvı yakıtı, içten veya dıştan yanmalı motor]                                                                                                                                    |
| G    | Ortalama ısıtma sezonu için parametreler beyan edilir.<br>Daha sıcak ve daha düşük ısıtma sezonları için ise parametreler isteğe bağlıdır.                                                                                                                            |
| H    | Madde                                                                                                                                                                                                                                                                 |
| I    | Sembol                                                                                                                                                                                                                                                                |
| J    | Değer                                                                                                                                                                                                                                                                 |
| K    | Birim                                                                                                                                                                                                                                                                 |
| L    | Nominal soğutma kapasitesi                                                                                                                                                                                                                                            |
| M    | $P_{rated}$                                                                                                                                                                                                                                                           |
| N    | Mevsimsel mahal soğutma enerji verimliliği                                                                                                                                                                                                                            |
| O    | Verilen T <sub>j</sub> dış ortam sıcaklıklarında ve 27°C/19°C (kuru/ıslak termometre) iç ortam sıcaklıklarında kısmi yük için beyan edilen soğutma kapasitesi                                                                                                         |
| P    | Verilen T <sub>j</sub> dış ortam sıcaklıklarında kısmi yük için beyan edilen enerji verimliliği oranı                                                                                                                                                                 |
| Q    | Klima cihazları için verim azalma katsayısı                                                                                                                                                                                                                           |
| R    | Nominal ısıtma kapasitesi                                                                                                                                                                                                                                             |
| S    | Mevsimsel mahal ısıtma enerji verimliliği                                                                                                                                                                                                                             |
| T    | Verilen T <sub>j</sub> dış ortam sıcaklığında ve 20°C iç ortam sıcaklığında kısmi yük için beyan edilen ısıtma kapasitesi                                                                                                                                             |
| U    | Verilen T <sub>j</sub> dış ortam sıcaklıklarında ve 20°C iç ortam sıcaklığında beyan edilen performans katsayısı                                                                                                                                                      |
| V    | T <sub>bi</sub> = bivalent sıcaklık                                                                                                                                                                                                                                   |
| W    | T <sub>ol</sub> = çalışma limiti                                                                                                                                                                                                                                      |
| X    | Havadan suya ısı pompaları / klima cihazları için : T <sub>j</sub> = -15°C (eğer T <sub>ol</sub> < -20°C)                                                                                                                                                             |
| Y    | Sudan havaya ısı pompaları / klima cihazları için : T <sub>j</sub> = -15°C (if T <sub>ol</sub> < -20°C)                                                                                                                                                               |
| Z    | Bivalent sıcaklık                                                                                                                                                                                                                                                     |
| AA   | Sudan havaya ısı pompaları için : Çalışma limit sıcaklığı                                                                                                                                                                                                             |
| AB   | Isı pompaları için verim azalma katsayısı (*)                                                                                                                                                                                                                         |
| AC   | "Aktif çalışma modu" dışındaki modlarda güç tüketimi                                                                                                                                                                                                                  |
| AD   | Ek ısıtıcı                                                                                                                                                                                                                                                            |
| AE   | Kapalı konum                                                                                                                                                                                                                                                          |
| AF   | Yedek ısıtma kapasitesi                                                                                                                                                                                                                                               |
| AG   | Termostat-kapalı konumu                                                                                                                                                                                                                                               |
| AH   | Enerji giriş türü                                                                                                                                                                                                                                                     |
| AI   | Karter ısıtıcı konumu                                                                                                                                                                                                                                                 |
| AJ   | Hazırda bekleme konumu                                                                                                                                                                                                                                                |
| AK   | Diğer maddeler                                                                                                                                                                                                                                                        |
| AL   | Kapasite kontrolü                                                                                                                                                                                                                                                     |
| AM   | sabit/kademeli/değişken                                                                                                                                                                                                                                               |
| AN   | Havadan-havaya ısı pompaları için:hava debisi, dış ortamda ölçülen                                                                                                                                                                                                    |
| AO   | Soğutma için ses gücü seviyesi (iç ortam/dış ortam)                                                                                                                                                                                                                   |
| AP   | Isıtma için ses gücü seviyesi (iç ortam/dış ortam)                                                                                                                                                                                                                    |
| AQ   | Azot oksitlerin emisyonları (uygulanabilirse)                                                                                                                                                                                                                         |
| AR   | mg/kWh yakıt girişi GCV                                                                                                                                                                                                                                               |
| AS   | Sudan/salamura-havaya ısı pompaları için :<br>Nominal salamura veya su debisi, dış ortam ısı değiştiricisi                                                                                                                                                            |
| AT   | Soğutucu akışkanının GWP'si                                                                                                                                                                                                                                           |
| AU   | kgCO <sub>2</sub> eq (100 yıl)                                                                                                                                                                                                                                        |
| AV   | İletişim bilgileri                                                                                                                                                                                                                                                    |
| AW   | (*)Eğer C <sub>dh</sub> ölçüm ile belirlenmemişse ısı pompalarının varsayılan verim azalma katsayısı 0,25'tir.                                                                                                                                                        |
| AX   | (**)Bu tebliğin yürürlüğe girdiği tarihten itibaren                                                                                                                                                                                                                   |
| AY   | Bilgilerin multi-split ısı pompalarıyla ilgili olması durumunda test sonucu ve performans verileri, imalatçı veya ithalatçı tarafından tavsiye edilen bir iç ünite ya da iç üniteler ile kombine edilmiş olan dış ünitenin performansına dayanılarak elde edilebilir. |
| AZ   | Multi-split ısı pompaları için, uygun iç ortam ünitelerinin listesi :                                                                                                                                                                                                 |
| BA   | Tahribatsız demontaj, sökme ve pil çıkarma hakkında bilgi için erims.sec@samsung.com adresine mail gönderin lütfen                                                                                                                                                    |



# COMMISSION REGULATION (EU) No 813/2013<sup>1)</sup>

## ECODESIGN REQUIREMENTS FOR HEAT PUMP SPACE HEATERS AND HEAT PUMP COMBINATION HEATERS<sup>1)</sup>

Model(s) : AM080AXVGGH / AM250TNBFEB

Air-to-water heat pump : yes

Water-to-water heat pump : no

Brine-to-water heat pump : no

Low-temperature heat pump : no

Equipped with a supplementary heater : no

Heat pump combination heater : no

Parameters shall be declared for medium-temperature application, except for low-temperature heat pumps. For low-temperature heat pump, parameters shall be declared for low-temperature application.

Parameters shall be declared for average climate conditions.

| Item                                                                                                           | Symbol            | Value | Unit   |
|----------------------------------------------------------------------------------------------------------------|-------------------|-------|--------|
| <b>Rated heat output(*)</b>                                                                                    | Prated            | 16    | kW     |
| Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                   |       |        |
| T <sub>j</sub> = -7 °C                                                                                         | P <sub>dh</sub>   | 13.7  | kW     |
| T <sub>j</sub> = +2 °C                                                                                         | P <sub>dh</sub>   | 8.3   | kW     |
| T <sub>j</sub> = +7 °C                                                                                         | P <sub>dh</sub>   | 5.4   | kW     |
| T <sub>j</sub> = +12 °C                                                                                        | P <sub>dh</sub>   | 2.4   | kW     |
| T <sub>j</sub> = bivalent temperature                                                                          | P <sub>dh</sub>   | 13.7  | kW     |
| T <sub>j</sub> = operation limit temperature                                                                   | P <sub>dh</sub>   | 15.5  | kW     |
| For air-to-water heat pumps<br>T <sub>j</sub> = -15 °C (if TOL < -20°C)                                        | P <sub>dh</sub>   | -     | kW     |
| Bivalent temperature                                                                                           | T <sub>biv</sub>  | -7    | °C     |
| Cycling interval capacity for heating                                                                          | P <sub>ych</sub>  | -     | kW     |
| Degradation co-efficient (**)                                                                                  | C <sub>dh</sub>   | 0.9   | -      |
| Power consumption in modes other than active mode                                                              |                   |       |        |
| Off mode                                                                                                       | P <sub>OFF</sub>  | 0.040 | kW     |
| Thermostat-off mode                                                                                            | P <sub>TO</sub>   | 0.040 | kW     |
| Standby mode                                                                                                   | P <sub>SB</sub>   | 0.040 | kW     |
| Crankcase heater mode                                                                                          | P <sub>CK</sub>   | 0.040 | kW     |
| Other items                                                                                                    |                   |       |        |
| Capacity control                                                                                               | variable          |       |        |
| Sound power level, indoors/outdoors                                                                            | L <sub>WA</sub>   | 61/78 | dB     |
| Emissions of nitrogen oxides                                                                                   | NO <sub>x</sub>   | -     | mg/kWh |
| For heat pump combination heater                                                                               |                   |       |        |
| Declared load profile                                                                                          | -                 |       |        |
| Daily electricity consumption                                                                                  | Q <sub>elec</sub> | -     | kWh    |
| Annual electricity consumption                                                                                 | AEC               | -     | kWh    |

| Item                                                                                                                              | Symbol      | Value | Unit |
|-----------------------------------------------------------------------------------------------------------------------------------|-------------|-------|------|
| Seasonal space heating energy efficiency                                                                                          | $\eta_s$    | 121%  | %    |
| Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T j |             |       |      |
| Tj = -7 °C                                                                                                                        | COPd        | 1.52  | -    |
| Tj = +2 °C                                                                                                                        | COPd        | 3.17  | -    |
| Tj = +7 °C                                                                                                                        | COPd        | 4.46  | -    |
| Tj = +12 °C                                                                                                                       | COPd        | 4.53  | -    |
| Tj = bivalent temperature                                                                                                         | COPd        | 1.52  | -    |
| Tj = operation limit temperature                                                                                                  | COPd        | 1.94  | -    |
| For air-to-water heat pumps<br>Tj = -15 °C (if TOL < -20°C)                                                                       | COPd        | -     | -    |
| For air-to-water heat pumps:<br>Operation limit temperature                                                                       | TOL         | -10   | °C   |
| Cycling interval efficiency                                                                                                       | COPcyc      | -     | -    |
| Heating water operating limit temperature                                                                                         | WTOL        | -     | °C   |
| Supplementary heater                                                                                                              |             |       |      |
| Rated heat output (*)                                                                                                             | Psup        | 0.0   | kW   |
| Type of energy input                                                                                                              |             |       |      |
| Other items                                                                                                                       |             |       |      |
| For air-to-water heat pumps<br>Rated air flow rate, outdoors                                                                      | -           | 10200 | m³/h |
| Forwater-/brine-to-water heat pumps:<br>Rated brine or water flow rate,<br>outdoor heat exchanger                                 | -           | -     | m³/h |
| For heat pump combination heater                                                                                                  |             |       |      |
| Water heating energy efficiency                                                                                                   | $\eta_{wh}$ | -     | %    |
| Daily fuel consumption                                                                                                            | $Q_{fuel}$  | -     | kWh  |
| Annual electricity consumption                                                                                                    | AEC         | -     | GJ   |

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(\*) For heat pump space heaters and heat pump combination heaters, the rated that output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

(\*\*) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9.

Precautions as described in the installation/user manual must be taken when assembling, installing and maintaining this product.

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# COMMISSION REGULATION (EU) No 813/2013<sup>1)</sup>

## ECODESIGN REQUIREMENTS FOR HEAT PUMP SPACE HEATERS AND HEAT PUMP COMBINATION HEATERS<sup>1)</sup>

Model(s) : AM080AXVGGH / AM250TNBFGH

Air-to-water heat pump : yes

Water-to-water heat pump : no

Brine-to-water heat pump : no

Low-temperature heat pump : no

Equipped with a supplementary heater : no

Heat pump combination heater : no

Parameters shall be declared for medium-temperature application, except for low-temperature heat pumps. For low-temperature heat pump, parameters shall be declared for low-temperature application.

Parameters shall be declared for average climate conditions.

| Item                                                                                                           | Symbol            | Value | Unit   |
|----------------------------------------------------------------------------------------------------------------|-------------------|-------|--------|
| <b>Rated heat output(*)</b>                                                                                    | Prated            | 16    | kW     |
| Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub> |                   |       |        |
| T <sub>j</sub> = -7 °C                                                                                         | P <sub>dh</sub>   | 13.7  | kW     |
| T <sub>j</sub> = +2 °C                                                                                         | P <sub>dh</sub>   | 8.3   | kW     |
| T <sub>j</sub> = +7 °C                                                                                         | P <sub>dh</sub>   | 5.4   | kW     |
| T <sub>j</sub> = +12 °C                                                                                        | P <sub>dh</sub>   | 2.4   | kW     |
| T <sub>j</sub> = bivalent temperature                                                                          | P <sub>dh</sub>   | 13.7  | kW     |
| T <sub>j</sub> = operation limit temperature                                                                   | P <sub>dh</sub>   | 15.5  | kW     |
| For air-to-water heat pumps<br>T <sub>j</sub> = -15 °C (if TOL < -20°C)                                        | P <sub>dh</sub>   | -     | kW     |
| Bivalent temperature                                                                                           | T <sub>biv</sub>  | -7    | °C     |
| Cycling interval capacity for heating                                                                          | P <sub>ych</sub>  | -     | kW     |
| Degradation co-efficient (**)                                                                                  | C <sub>dh</sub>   | 0.9   | -      |
| Power consumption in modes other than active mode                                                              |                   |       |        |
| Off mode                                                                                                       | P <sub>OFF</sub>  | 0.040 | kW     |
| Thermostat-off mode                                                                                            | P <sub>TO</sub>   | 0.040 | kW     |
| Standby mode                                                                                                   | P <sub>SB</sub>   | 0.040 | kW     |
| Crankcase heater mode                                                                                          | P <sub>CK</sub>   | 0.040 | kW     |
| Other items                                                                                                    |                   |       |        |
| Capacity control                                                                                               | variable          |       |        |
| Sound power level, indoors/outdoors                                                                            | L <sub>WA</sub>   | 61/78 | dB     |
| Emissions of nitrogen oxides                                                                                   | NO <sub>x</sub>   | -     | mg/kWh |
| For heat pump combination heater                                                                               |                   |       |        |
| Declared load profile                                                                                          | -                 |       |        |
| Daily electricity consumption                                                                                  | Q <sub>elec</sub> | -     | kWh    |
| Annual electricity consumption                                                                                 | AEC               | -     | kWh    |

| Item                                                                                                                              | Symbol      | Value | Unit |
|-----------------------------------------------------------------------------------------------------------------------------------|-------------|-------|------|
| Seasonal space heating energy efficiency                                                                                          | $\eta_s$    | 121%  | %    |
| Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T j |             |       |      |
| Tj = -7 °C                                                                                                                        | COPd        | 1.52  | -    |
| Tj = +2 °C                                                                                                                        | COPd        | 3.17  | -    |
| Tj = +7 °C                                                                                                                        | COPd        | 4.46  | -    |
| Tj = +12 °C                                                                                                                       | COPd        | 4.53  | -    |
| Tj = bivalent temperature                                                                                                         | COPd        | 1.52  | -    |
| Tj = operation limit temperature                                                                                                  | COPd        | 1.94  | -    |
| For air-to-water heat pumps<br>Tj = -15 °C (if TOL < -20°C)                                                                       | COPd        | -     | -    |
| For air-to-water heat pumps:<br>Operation limit temperature                                                                       | TOL         | -10   | °C   |
| Cycling interval efficiency                                                                                                       | COPcyc      | -     | -    |
| Heating water operating limit temperature                                                                                         | WTOL        | -     | °C   |
| Supplementary heater                                                                                                              |             |       |      |
| Rated heat output (*)                                                                                                             | Psup        | 0.0   | kW   |
| Type of energy input                                                                                                              |             |       |      |
| Other items                                                                                                                       |             |       |      |
| For air-to-water heat pumps<br>Rated air flow rate, outdoors                                                                      | -           | 10200 | m³/h |
| Forwater-/brine-to-water heat pumps:<br>Rated brine or water flow rate,<br>outdoor heat exchanger                                 | -           | -     | m³/h |
| For heat pump combination heater                                                                                                  |             |       |      |
| Water heating energy efficiency                                                                                                   | $\eta_{wh}$ | -     | %    |
| Daily fuel consumption                                                                                                            | $Q_{fuel}$  | -     | kWh  |
| Annual electricity consumption                                                                                                    | AEC         | -     | GJ   |

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(\*) For heat pump space heaters and heat pump combination heaters, the rated that output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

(\*\*) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9.

Precautions as described in the installation/user manual must be taken when assembling, installing and maintaining this product.

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# COMMISSION REGULATION (EU) No 813/2013 <sup>1)</sup>

| No | English(EN)                                                                                                                                                                                           | Bulgarian(BG)                                                                                                                                                                                                              | Spanish(ES)                                                                                                                                                                                                                                                 | Czech(CS)                                                                                                                                                                                           |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| I  | COMMISSION REGULATION (EU) No 813/2013                                                                                                                                                                | РЕГЛАМЕНТ (ЕС) № 813/2013 НА КОМИСИЯТА                                                                                                                                                                                     | REGLAMENTO (UE) No 813/2013 DE LA COMISIÓN                                                                                                                                                                                                                  | NAŘÍZENÍ KOMISE (EU) č. 813/2013                                                                                                                                                                    |
| II | ECODESIGN REQUIREMENTS FOR SPACE HEATER                                                                                                                                                               | Изискванията за екопроектиране на отоплителен топлоизточник                                                                                                                                                                | Los requisitos de diseño ecológico de aparato de calefacción                                                                                                                                                                                                | Požadavky na ekodesign pro vytápění vnitřních prostorů                                                                                                                                              |
| A  | Model(s): [Information identifying the model(s) to which the information relates]                                                                                                                     | Модел/модел: [информация за определяне на модела(ите), за който(ито) тя се отнася]                                                                                                                                         | Modelos: [Datos que identifican el modelo o modelos a que se refiere la información]                                                                                                                                                                        | Model/y: [informace k určení modelu/ů, na který/ě se informace vztahují]                                                                                                                            |
| B  | Air-to-water heat pump: [yes/no]                                                                                                                                                                      | Термопомпа „Въздух-Вода“: [га/не]                                                                                                                                                                                          | Bomba de calor aire-agua: [sí/no]                                                                                                                                                                                                                           | Tepelné čerpadlo vzduch-voda: [ano/ne]                                                                                                                                                              |
| C  | Water-to-water heat pump: [yes/no]                                                                                                                                                                    | Термопомпа „Вода-Вода“: [га/не]                                                                                                                                                                                            | Bomba de calor agua-agua: [sí/no]                                                                                                                                                                                                                           | Tepelné čerpadlo voda-voda: [ano/ne]                                                                                                                                                                |
| D  | Brine-to-water heat pump: [yes/no]                                                                                                                                                                    | Термопомпа „Солов разтвор-Вода“: [га/не]                                                                                                                                                                                   | Bomba de calor salmuera-agua: [sí/no]                                                                                                                                                                                                                       | Tepelné čerpadlo solanka-voda: [ano/ne]                                                                                                                                                             |
| E  | Low-temperature heat pump: [yes/no]                                                                                                                                                                   | Термопомпа за нискотемпературни приложения: [га/не]                                                                                                                                                                        | Bomba de calor de baja temperatura: [sí/no]                                                                                                                                                                                                                 | Nizkoteplotní tepelné čerpadlo: [ano/ne]                                                                                                                                                            |
| F  | Equipped with a supplementary heater: [yes/no]                                                                                                                                                        | Оборудвана с допълнителен подгревател: [га/не]                                                                                                                                                                             | Equipado con un calefactor complementario: [sí/no]                                                                                                                                                                                                          | Vybavenost přídavným ohřívačem: [ano/ne]                                                                                                                                                            |
| G  | Heat pump combination heater: [yes/no]                                                                                                                                                                | Комбиниран термопомпен агрегат за отопление и БГВ: [га/не]                                                                                                                                                                 | Calefactor combinado con bomba de calor: [sí/no]                                                                                                                                                                                                            | Kombinovaný ohřívač s tepelným čerpadlem: [ano/ne]                                                                                                                                                  |
| H  | Parameters shall be declared for medium-temperature application, except for low-temperature heat pumps. For low-temperature heat pumps, parameters shall be declared for low-temperature application. | Параметрите се обявяват за средотемпературни приложения, освен при термопомпите с нискотемпературни приложения. При термопомпите с нискотемпературни приложения параметрите се обявяват за нискотемпературните приложения. | Los parámetros se declararán para aplicaciones de media temperatura, excepto si se trata de bombas de calor de baja temperatura. En el caso de las bombas de calor de baja temperatura, los parámetros se declararán para aplicaciones de baja temperatura. | Parametry musí být uvedeny pro středněteplotní aplikaci, s výjimkou nízkoteplotních tepelných čerpadel. U nízkoteplotních tepelných čerpadel musí být parametry uvedeny pro nízkoteplotní aplikaci. |
| I  | Parameters shall be declared for average climate conditions.                                                                                                                                          | Параметрите се обявяват за средни климатични условия.                                                                                                                                                                      | Los parámetros se indicarán para condiciones climáticas medias.                                                                                                                                                                                             | Parametry musí být uvedeny pro průměrné klimatické podmínky.                                                                                                                                        |
| J  | Item                                                                                                                                                                                                  | Характеристика                                                                                                                                                                                                             | Elemento                                                                                                                                                                                                                                                    | Položka                                                                                                                                                                                             |
| K  | Symbol                                                                                                                                                                                                | Означение                                                                                                                                                                                                                  | Símbolo                                                                                                                                                                                                                                                     | Označení                                                                                                                                                                                            |
| L  | Value                                                                                                                                                                                                 | Стойност                                                                                                                                                                                                                   | Valor                                                                                                                                                                                                                                                       | Hodnota                                                                                                                                                                                             |
| M  | Unit                                                                                                                                                                                                  | Мерна единица                                                                                                                                                                                                              | Unidad                                                                                                                                                                                                                                                      | Jednotka                                                                                                                                                                                            |
| N  | Rated heat output <sup>(*)</sup>                                                                                                                                                                      | Номинална топлоинна мощност <sup>(*)</sup>                                                                                                                                                                                 | Potencia calorífica nominal <sup>(*)</sup>                                                                                                                                                                                                                  | Jmenovitý tepelný výkon <sup>(*)</sup>                                                                                                                                                              |
| O  | Prated                                                                                                                                                                                                | Prated                                                                                                                                                                                                                     | Prated                                                                                                                                                                                                                                                      | Prated                                                                                                                                                                                              |
| P  | Seasonal space heating energy efficiency                                                                                                                                                              | Сезонна енергийна ефективност при отопление                                                                                                                                                                                | Eficiencia energética estacional de calefacción                                                                                                                                                                                                             | Sezónní energetická účinnost vytápění                                                                                                                                                               |
| Q  | Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T <sub>J</sub>                                                                                        | Обявена отоплителна мощност за частичен товар при температура вътре 20 °C и външна температура T <sub>J</sub>                                                                                                              | Capacidad de calefacción declarada para una carga parcial a una temperatura interior de 20 °C y una temperatura exterior T <sub>J</sub>                                                                                                                     | Deklarovaný topný výkon pro částečné zatížení při vnitřní teplotě 20 °C a venkovní teplotě T <sub>J</sub>                                                                                           |
| R  | Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T <sub>J</sub>                                                          | Обявен коефициент на трансформация или коефициент на първичната енергия за частичен товар при температура вътре 20 °C и външна температура T <sub>J</sub>                                                                  | Coefficiente de rendimiento declarado o factor energético primario para una carga parcial a una temperatura interior de 20 °C y una temperatura exterior T <sub>J</sub>                                                                                     | Deklarovaný topný faktor či koeficient primární energie pro částečné zatížení při vnitřní teplotě 20 °C a venkovní teplotě T <sub>J</sub>                                                           |
| S  | COP <sub>d</sub>                                                                                                                                                                                      | COP <sub>d</sub> или PER <sub>d</sub>                                                                                                                                                                                      | COP <sub>d</sub> o PER <sub>d</sub>                                                                                                                                                                                                                         | COP <sub>d</sub> nebo PER <sub>d</sub>                                                                                                                                                              |
| T  | T <sub>J</sub> = bivalent temperature                                                                                                                                                                 | T <sub>J</sub> = температура на включване на допълнително подгряване                                                                                                                                                       | T <sub>J</sub> = temperatura bivalente                                                                                                                                                                                                                      | T <sub>J</sub> = bivalentní teplota                                                                                                                                                                 |
| U  | T <sub>J</sub> = operation limit temperature                                                                                                                                                          | T <sub>J</sub> = гранична работна температура                                                                                                                                                                              | T <sub>J</sub> = temperatura límite de funcionamiento                                                                                                                                                                                                       | T <sub>J</sub> = mezní provozní teplota                                                                                                                                                             |
| V  | For air-to-water heat pumps: T <sub>J</sub> = – 15 °C (if TOL < – 20 °C)                                                                                                                              | За термопомпи „Въздух-Вода“: T <sub>J</sub> = – 15 °C (ако TOL < – 20 °C)                                                                                                                                                  | Para bombas de calor aire-agua: T <sub>J</sub> = – 15 °C (si TOL < – 20 °C)                                                                                                                                                                                 | U tepelných čerpadel vzduch-voda: T <sub>J</sub> = – 15 °C (pokud TOL < – 20 °C)                                                                                                                    |
| W  | Bivalent temperature                                                                                                                                                                                  | Температура на включване на допълнително подгряване                                                                                                                                                                        | Temperatura bivalente                                                                                                                                                                                                                                       | Bivalentní teplota                                                                                                                                                                                  |
| X  | For air-to-water heat pumps: Operation limit temperature                                                                                                                                              | За термопомпи „Въздух-Вода“: гранична работна температура                                                                                                                                                                  | Para bombas de calor aire-agua: Temperatura límite de funcionamiento                                                                                                                                                                                        | U tepelných čerpadel vzduch-voda: mezní provozní teplota                                                                                                                                            |
| Y  | Cycling interval capacity for heating                                                                                                                                                                 | Мощност при повторно-кратковременен режим на отопление                                                                                                                                                                     | Eficiencia del intervalo cíclico para calefacción                                                                                                                                                                                                           | Topný výkon v cyklickém intervalu                                                                                                                                                                   |
| Z  | Cycling interval efficiency                                                                                                                                                                           | Ефективност при повторно-кратковременен режим                                                                                                                                                                              | Eficiencia del intervalo cíclico                                                                                                                                                                                                                            | Účinnost v cyklickém intervalu                                                                                                                                                                      |
| AA | COP <sub>сyc</sub>                                                                                                                                                                                    | COP <sub>сyc</sub> или PER <sub>сyc</sub>                                                                                                                                                                                  | COP <sub>сyc</sub> o PER <sub>сyc</sub>                                                                                                                                                                                                                     | COP <sub>сyc</sub> nebo PER <sub>сyc</sub>                                                                                                                                                          |
| AB | Degradation co-efficient(**)                                                                                                                                                                          | Коефициент на влошаване на ефективността(**)                                                                                                                                                                               | Coefficiente de degradación (**)                                                                                                                                                                                                                            | Koeficient ztráty energie (**)                                                                                                                                                                      |

| No | English(EN)                                                                                                                                                                                                                                                                       | Bulgarian(BG)                                                                                                                                                                                                                                                                                    | Spanish(ES)                                                                                                                                                                                                                                                                                                                                        | Czech(CS)                                                                                                                                                                                                                                                                                                 |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AC | Heating water operating limit temperature                                                                                                                                                                                                                                         | Гранична температура на загряваната вода                                                                                                                                                                                                                                                         | Temperatura límite de calentamiento de agua                                                                                                                                                                                                                                                                                                        | Mezní provozní teplota ohřívání vody                                                                                                                                                                                                                                                                      |
| AD | Power consumption in modes other than active mode                                                                                                                                                                                                                                 | Консумирана мощност в режими, различни от работен режим                                                                                                                                                                                                                                          | Consumo de electricidad en modos distintos del activo                                                                                                                                                                                                                                                                                              | Spotřeba elektrické energie v jiných režimech než aktivní režim                                                                                                                                                                                                                                           |
| AE | Supplementary heater                                                                                                                                                                                                                                                              | Допълнителен нагревател                                                                                                                                                                                                                                                                          | Calefactor complementario                                                                                                                                                                                                                                                                                                                          | Přídavný ohřívač                                                                                                                                                                                                                                                                                          |
| AF | Off mode                                                                                                                                                                                                                                                                          | Режим „изключен“                                                                                                                                                                                                                                                                                 | Modo desactivado                                                                                                                                                                                                                                                                                                                                   | Vypnutý stav                                                                                                                                                                                                                                                                                              |
| AG | Thermostat-off mode                                                                                                                                                                                                                                                               | Режим „термостатно изключен“                                                                                                                                                                                                                                                                     | Modo desactivado por termostato                                                                                                                                                                                                                                                                                                                    | Stav vypnutého termostatu                                                                                                                                                                                                                                                                                 |
| AH | Standby mode                                                                                                                                                                                                                                                                      | Режим „в готовност“                                                                                                                                                                                                                                                                              | Modo de espera                                                                                                                                                                                                                                                                                                                                     | Pohotovostní režim                                                                                                                                                                                                                                                                                        |
| AI | Crankcase heater mode                                                                                                                                                                                                                                                             | Режим „подгряване на картера на компресора“                                                                                                                                                                                                                                                      | Modo de calentador del cárter                                                                                                                                                                                                                                                                                                                      | Režim zahřívání skříně kompresoru                                                                                                                                                                                                                                                                         |
| AJ | Type of energy input                                                                                                                                                                                                                                                              | Вид на постъпващата енергия                                                                                                                                                                                                                                                                      | Tipo de insumo de energía                                                                                                                                                                                                                                                                                                                          | Energetický příkon                                                                                                                                                                                                                                                                                        |
| AK | Other items                                                                                                                                                                                                                                                                       | Други характеристики                                                                                                                                                                                                                                                                             | Otros elementos                                                                                                                                                                                                                                                                                                                                    | Jiné položky                                                                                                                                                                                                                                                                                              |
| AL | Capacity control                                                                                                                                                                                                                                                                  | Регулиране на мощността                                                                                                                                                                                                                                                                          | Control de capacidad                                                                                                                                                                                                                                                                                                                               | Regulace výkonu                                                                                                                                                                                                                                                                                           |
| AM | fixed/variable                                                                                                                                                                                                                                                                    | фиксирана/регулируема                                                                                                                                                                                                                                                                            | fijo/variable                                                                                                                                                                                                                                                                                                                                      | pevná/proměnná                                                                                                                                                                                                                                                                                            |
| AN | For air-to-water heat pumps: Rated air flow rate, outdoors                                                                                                                                                                                                                        | За термопомпи „въздух-вода“: номинален дебит на въздуха (на открито)                                                                                                                                                                                                                             | Para bombas de calor aire-agua: Caudal de aire nominal (exterior)                                                                                                                                                                                                                                                                                  | U tepelných čerpadel vzduch-voda: jmenovitý průtok vzduchu ve venkovním prostoru                                                                                                                                                                                                                          |
| AO | m³/h                                                                                                                                                                                                                                                                              | m³/h                                                                                                                                                                                                                                                                                             | m³/h                                                                                                                                                                                                                                                                                                                                               | m³/h                                                                                                                                                                                                                                                                                                      |
| AP | Sound power level, indoors/outdoors                                                                                                                                                                                                                                               | Ниво на шума (вътре/на открито)                                                                                                                                                                                                                                                                  | Nivel de potencia acústica (interior/exterior)                                                                                                                                                                                                                                                                                                     | Hladina akustického výkonu ve vnitřním prostoru/venkovním prostoru                                                                                                                                                                                                                                        |
| AQ | Emissions of nitrogen oxides                                                                                                                                                                                                                                                      | Емисии на азотни окиси                                                                                                                                                                                                                                                                           | Emisiones de óxidos de nitrógeno                                                                                                                                                                                                                                                                                                                   | Emise oxidů dusíku                                                                                                                                                                                                                                                                                        |
| AR | For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger                                                                                                                                                                                      | За термопомпи „вода/солов разтвор-вода“: номинален дебит на соловия разтвор, или водата, външен теплообменник                                                                                                                                                                                    | Para bombas de calor agua/salmuera a agua: Caudal de salmuera o de agua nominal, intercambiador de calor de exterior                                                                                                                                                                                                                               | U tepelných čerpadel voda-voda/solanka-voda: jmenovitý průtok solanky nebo vody, venkovní výměník tepla                                                                                                                                                                                                   |
| AS | For heat pump combination heater:                                                                                                                                                                                                                                                 | За комбиниран термопомпен агрегат за отопление и БГВ:                                                                                                                                                                                                                                            | Para calefactores combinados con bomba de calor:                                                                                                                                                                                                                                                                                                   | U kombinovaného ohřívače s tepelným čerpadlem:                                                                                                                                                                                                                                                            |
| AT | Declared load profile                                                                                                                                                                                                                                                             | Обявен товаров профил                                                                                                                                                                                                                                                                            | Perfil de carga declarado                                                                                                                                                                                                                                                                                                                          | Deklarovaný zátěžový profil                                                                                                                                                                                                                                                                               |
| AU | Water heating energy efficiency                                                                                                                                                                                                                                                   | Енергийна ефективност при подгряване на вода                                                                                                                                                                                                                                                     | Eficiencia energética de caldeo de agua                                                                                                                                                                                                                                                                                                            | Energetická účinnost ohřevu vody                                                                                                                                                                                                                                                                          |
| AV | Daily electricity consumption                                                                                                                                                                                                                                                     | Дневно електропотребление                                                                                                                                                                                                                                                                        | Consumo diario de electricidad                                                                                                                                                                                                                                                                                                                     | Denní spotřeba elektrické energie                                                                                                                                                                                                                                                                         |
| AW | Daily fuel consumption                                                                                                                                                                                                                                                            | Дневно потребление на гориво                                                                                                                                                                                                                                                                     | Consumo diario de combustible                                                                                                                                                                                                                                                                                                                      | Denní spotřeba paliva                                                                                                                                                                                                                                                                                     |
| AX | Contact details                                                                                                                                                                                                                                                                   | Координати за връзка                                                                                                                                                                                                                                                                             | Datos de contacto                                                                                                                                                                                                                                                                                                                                  | Kontaktní údaje                                                                                                                                                                                                                                                                                           |
| AY | <sup>(*)</sup> For heat pump space heaters and heat pump combination heaters, the rated that output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj). | <sup>(*)</sup> За отоплителни термопомпени агрегати и комбиниран термопомпен агрегат, номиналната топлинна мощност Prated е равна на проектния отоплителен товар Pdesignh, а номиналната топлинна мощност на допълнителния нагревател Psup е равна на допълнителната отоплителна мощност sup(Tj) | <sup>(*)</sup> Para los aparatos de calefacción con bomba de calor y calefactores combinados con bomba de calor, la potencia calorífica nominal Prated es igual a la carga de calefacción de diseño Pdesignh, y la potencia calorífica nominal de un calefactor complementario Psup es igual a la capacidad complementaria de calefacción sup(Tj). | <sup>(*)</sup> U ohřivačů pro vytápění vnitřních prostorů s tepelným čerpadlem a kombinovaných ohřivačů s tepelným čerpadlem je jmenovitý tepelný výkon Prated roven návrhovému topnému zatížení Pdesignh a jmenovitý tepelný výkon přídavného ohřívače Psup je roven doplňkovému topnému výkonu sup(Tj). |
| AZ | <sup>(**)</sup> If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9.                                                                                                                                                                    | <sup>(**)</sup> Ако Cdh не е определен чрез измерване, съответната ориентировъчно приемана стойност за коефициента на влошаване на ефективността е Cdh = 0,9.                                                                                                                                    | <sup>(**)</sup> Si no se determina Cdh por medición, el coeficiente de degradación predeterminado será Cdh = 0.9.                                                                                                                                                                                                                                  | <sup>(**)</sup> Není-li koeficient ztráty energie Cdh stanoven měřením, má implicitní hodnotu 0.9.                                                                                                                                                                                                        |
| BA | <sup>1)</sup> Precautions as described in the installation/ user manual must be taken when assembling, installing and maintaining this product.                                                                                                                                   | <sup>1)</sup> Описаните в ръководството за монтиране/ръководството за потребителя предпазни мерки трябва да се спазват при събиране, монтиране и поддръжка на продукта.                                                                                                                          | <sup>1)</sup> Deben tomarse las precauciones que se indican en el manual de instalación/usuario al montar e instalar el producto, así como al realizar tareas de mantenimiento.                                                                                                                                                                    | <sup>1)</sup> Při montáži, instalaci a údržbě tohoto produktu je třeba se řídit bezpečnostními opatřeními popsanými v instalační a uživatelské příručce.                                                                                                                                                  |
| BB | <sup>2)</sup> If you are a professional looking for information on non-destructive disassembly and dismantling, please send an email to: erims.sec@samsung.com                                                                                                                    | <sup>2)</sup> Ако сте професионалист и търсите информация относно възможностите за неразрушително разглобяване и демонтаж, моля, изпратете имейл на адрес: erims.sec@samsung.com                                                                                                                 | <sup>2)</sup> Si Usted es un profesional que desea obtener información sobre el desmontaje y desmantelamiento no destructivo de este producto, por favor, dirijase a la siguiente dirección de correo electrónico: erims.sec@samsung.com                                                                                                           | <sup>2)</sup> Pokud jste odborným pracovníkem a hledáte informace ohledně bezpečné demontáže produktu, napište e-mail na adresu: erims.sec@samsung.com.                                                                                                                                                   |

# COMMISSION REGULATION (EU) No 813/2013 <sup>1)</sup>

| No | Danish(DA)                                                                                                                                                                | German(DE)                                                                                                                                                                                                 | Estonian(ET)                                                                                                                                                                               | Greek(EL)                                                                                                                                                                                                                       |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| I  | KOMMISSIONENS FORORDNING (EU) Nr. 813/2013                                                                                                                                | VERORDNUNG (EU) Nr. 813/2013 DER KOMMISSION                                                                                                                                                                | KOMISJONI MÄÄRUS (EL) nr 813/2013,                                                                                                                                                         | KΑΝΟΝΙΣΜΟΣ (ΕΕ) αριθ. 813/2013 ΤΗΣ ΕΠΙΤΡΟΠΗΣ                                                                                                                                                                                    |
| II | Kravene til miljøvenligt design af anlæg til rumopvarmning                                                                                                                | Die Ökodesign-Anforderungen an Raumheizgerät                                                                                                                                                               | Õkodisaini nõuded ruumi kütmiseks                                                                                                                                                          | Οι απαιτήσεις οικολογικού σχεδιασμού για θερμαντήρας χώρου                                                                                                                                                                      |
| A  | Model(ler): [Information, som identificerer den eller de modeller, som oplysningerne vedrører]                                                                            | Modell(e): (Angaben zur Bestimmung des Modells/der Modelle, auf das/die sich die Angaben beziehen)                                                                                                         | Model(id): [mudelit (mudeleid) iseloomustavad näitajad]                                                                                                                                    | Μοντέλο(-α): [Πληροφορίες για την ταυτοποίηση του μοντέλου (των μοντέλων) που αφορούν οι πληροφορίες]                                                                                                                           |
| B  | Luft-vand-varmepumpe: [ja/nej]                                                                                                                                            | Luft-Wasser-Wärmepumpe: (Ja/Nein)                                                                                                                                                                          | Õhu-vee-soojuspump: [jah/ei]                                                                                                                                                               | Αντλία θερμότητας αέρα-νερού: [ναι/όχι]                                                                                                                                                                                         |
| C  | Vand-vand-varmepumpe: [ja/nej]                                                                                                                                            | Wasser-Wasser-Wärmepumpe: (Ja/Nein)                                                                                                                                                                        | Vee-vee-soojuspump: [jah/ei]                                                                                                                                                               | Αντλία θερμότητας νερού-νερού: [ναι/όχι]                                                                                                                                                                                        |
| D  | Brine-vand-varmepumpe: [ja/nej]                                                                                                                                           | Sole-Wasser-Wärmepumpe: (Ja/Nein)                                                                                                                                                                          | Soojuskandja-vee-soojuspump: [jah/ei]                                                                                                                                                      | Αντλία θερμότητας άλης-νερού: [ναι/όχι]                                                                                                                                                                                         |
| E  | Lavtemperaturvarmepumpe: [ja/nej]                                                                                                                                         | Niedertemperatur-Wärmepumpe: (Ja/Nein)                                                                                                                                                                     | Külma kliima soojuspump: [jah/ei]                                                                                                                                                          | Αντλία θερμότητας χαμηλής θερμοκρασίας: [ναι/όχι]                                                                                                                                                                               |
| F  | Udstyret med supplerende forsyningsanlæg: [ja/nej]                                                                                                                        | Mit Zusatzheizgerät: (Ja/Nein)                                                                                                                                                                             | Koos lisakütteseadmega: [jah/ei]                                                                                                                                                           | Εξοπλισμένος με συμπληρωματικό θερμαντήρα: [ναι/όχι]                                                                                                                                                                            |
| G  | Varmepumpeanlæg til kombineret rum- og brugsvandsopvarmning: [ja/nej]                                                                                                     | Kombiheizgerät mit Wärmepumpe: (Ja/Nein)                                                                                                                                                                   | Soojuspumbaga veesoojendi-küttesead: [jah/ei]                                                                                                                                              | Θερμαντήρας συνδυασμένης λειτουργίας με αντλία θερμότητας: [ναι/όχι]                                                                                                                                                            |
| H  | Parametre skal angives for middeltemperaturanvendelse, dog ikke for lavtemperaturvarmepumper. For lavtemperaturvarmepumper angives parametre for lavtemperaturanvendelse. | Die Parameter sind für eine Mitteltemperaturanwendung anzugeben, außer für Niedertemperatur-Wärmepumpen. Für Niedertemperatur-Wärmepumpen sind die Parameter für eine Niedertemperaturanwendung anzugeben. | Näitajad esitatakse keskmise temperatuuriga kasutuse kohta, välja arvatud külma kliima soojuspumbad. Külma kliima soojuspumpade näitajad esitatakse madalatemperatuurilise kasutuse kohta. | Δηλώνονται οι παράμετροι για εφαρμογή μέσης θερμοκρασίας, εξαιρουμένων των αντλιών θερμότητας χαμηλής θερμοκρασίας. Για τις αντλίες θερμότητας χαμηλής θερμοκρασίας δηλώνονται οι παράμετροι για εφαρμογή χαμηλής θερμοκρασίας. |
| I  | Parametre skal angives for gennemsnitlige klimaforhold.                                                                                                                   | Die Parameter sind für durchschnittliche Klimaverhältnisse anzugeben:                                                                                                                                      | Näitajad esitatakse keskmiste kliimatingimuste kohta.                                                                                                                                      | Δηλώνονται οι παράμετροι για μέσες κλιματικές συνθήκες.                                                                                                                                                                         |
| J  | Element                                                                                                                                                                   | Angabe                                                                                                                                                                                                     | Näitaja                                                                                                                                                                                    | Χαρακτηριστικό                                                                                                                                                                                                                  |
| K  | Symbol                                                                                                                                                                    | Symbol                                                                                                                                                                                                     | Tähis                                                                                                                                                                                      | Σύμβολο                                                                                                                                                                                                                         |
| L  | Værdi                                                                                                                                                                     | Wert                                                                                                                                                                                                       | Väärtus                                                                                                                                                                                    | Τιμή                                                                                                                                                                                                                            |
| M  | Enhed                                                                                                                                                                     | Einheit                                                                                                                                                                                                    | Ühik                                                                                                                                                                                       | Μονάδα                                                                                                                                                                                                                          |
| N  | Nominel nytteeffekt <sup>(*)</sup>                                                                                                                                        | Wärmenennleistung <sup>(*)</sup>                                                                                                                                                                           | Nimisoojusvõimsus <sup>(*)</sup>                                                                                                                                                           | Ονομαστική θερμική ισχύς <sup>(*)</sup>                                                                                                                                                                                         |
| O  | Prated                                                                                                                                                                    | Prated                                                                                                                                                                                                     | Prated                                                                                                                                                                                     | Prated                                                                                                                                                                                                                          |
| P  | Årsvirkningsgrad ved rumopvarmning                                                                                                                                        | Jahreszeitbedingte Raumheizungs-Energieeffizienz                                                                                                                                                           | Kütmise sesoonne energiatõhusus                                                                                                                                                            | Ενεργειακή απόδοση της εποχιακής θέρμανσης χώρου                                                                                                                                                                                |
| Q  | Angivet varmeyedelse for dellast ved indetemperatur på 20 °C og udetemperatur på Tj                                                                                       | Angegebene Leistung für Teillast bei Raumlufttemperatur 20 °C und Außenlufttemperatur Tj                                                                                                                   | Esitatud soojusvõimsus ruumitemperatuurile 20 °C ja välitemperatuurile Tj vastaval (osalise koormuse) võimsustarbel                                                                        | Δηλωμένη θερμαντική ισχύς για μερικό φορτίο σε θερμοκρασία εσωτερικού χώρου 20 °C και θερμοκρασία εξωτερικού χώρου Tj                                                                                                           |
| R  | Angivet effektfaktor eller primærenergi-effektfaktor for dellast ved indetemperatur på 20 °C og udetemperatur på Tj                                                       | Angegebene Leistungszahl oder Heizzahl für Teillast bei Raumlufttemperatur 20 °C und Außenlufttemperatur Tj                                                                                                | Esitatud soojustegur (primaarenergiategur) ruumitemperatuurile 20 °C ja välitemperatuurile Tj vastaval (osalise koormuse) võimsustarbel                                                    | Δηλωμένος συντελεστής απόδοσης ή λόγος πρωτογενούς ενέργειας σε θερμοκρασία εσωτερικού χώρου 20 °C και θερμοκρασία εξωτερικού χώρου Tj                                                                                          |
| S  | COPd eller PERd                                                                                                                                                           | COPd oder PERd                                                                                                                                                                                             | COPd või PERd                                                                                                                                                                              | COPd ή PERd                                                                                                                                                                                                                     |
| T  | Tj = bivalenttemperatur                                                                                                                                                   | Tj = Bivalenttemperatur                                                                                                                                                                                    | Tj = tasakaalutemperatuur                                                                                                                                                                  | Tj = δίτιμη θερμοκρασία                                                                                                                                                                                                         |
| U  | Tj = temperaturgrænse for drift                                                                                                                                           | Tj = Betriebstemperaturgrenzwert                                                                                                                                                                           | Tj = piirtootemperatuur                                                                                                                                                                    | Tj = οριακή θερμοκρασία λειτουργίας                                                                                                                                                                                             |
| V  | For luft-vand-varmepumper: Tj = – 15 °C (hvis TOL < – 20 °C)                                                                                                              | Für Luft-Wasser-Wärmepumpen: Tj = – 15 °C (wenn TOL < – 20 °C)                                                                                                                                             | Õhu-vee-soojuspump: Tj = – 15 °C (kui TOL < – 20 °C)                                                                                                                                       | Για αντλίες θερμότητας αέρα-νερού: Tj = – 15 °C (εάν TOL < – 20 °C)                                                                                                                                                             |
| W  | Bivalenttemperatur                                                                                                                                                        | Bivalenttemperatur                                                                                                                                                                                         | Tasakaalutemperatuur                                                                                                                                                                       | Δίτιμη θερμοκρασία                                                                                                                                                                                                              |
| X  | For luft-vand-varmepumper: Temperaturgrænse for drift                                                                                                                     | Für Luft-Wasser-Wärmepumpen: Betriebsgrenzwert-Temperatur                                                                                                                                                  | Õhu-vee-soojuspump: piirtootemperatuur                                                                                                                                                     | Για αντλίες θερμότητας αέρα-νερού: Οριακή θερμοκρασία λειτουργίας                                                                                                                                                               |
| Y  | Cyklusintervaldelse for opvarmning                                                                                                                                        | Leistung bei zyklischem Intervall-Heizbetrieb                                                                                                                                                              | Tsükli soojusvõimsus                                                                                                                                                                       | Θερμαντική ισχύς κατά τη διάρκεια ενός κύκλου                                                                                                                                                                                   |
| Z  | Cyklusintervaldelse                                                                                                                                                       | Leistungszahl bei zyklischem Intervallbetrieb                                                                                                                                                              | Tsükli tõhusus või primaarenergiategur                                                                                                                                                     | Απόδοση κατά τη διάρκεια ενός κύκλου                                                                                                                                                                                            |
| AA | COPcyc eller PERcyc                                                                                                                                                       | COPcyc oder PERcyc                                                                                                                                                                                         | COPcyc või PERcyc                                                                                                                                                                          | COPcyc ή PERcyc                                                                                                                                                                                                                 |
| AB | Koefficient for effektivitetstab <sup>(**)</sup>                                                                                                                          | Minderungsfaktor <sup>(**)</sup>                                                                                                                                                                           | Kaotegur <sup>(**)</sup>                                                                                                                                                                   | Συντελεστής υποβάθμισης <sup>(**)</sup>                                                                                                                                                                                         |
| AC | Temperaturgrænse for vandopvarmning                                                                                                                                       | Grenzwert der Betriebstemperatur des Heizwassers                                                                                                                                                           | Küttevee piirtootemperatuur                                                                                                                                                                | Οριακή θερμοκρασία λειτουργίας για θέρμανση νερού                                                                                                                                                                               |
| AD | Elforbrug i andre tilstande end aktiv tilstand                                                                                                                            | Stromverbrauch in anderen Betriebsarten als dem Betriebszustand                                                                                                                                            | Võimsustarve ajal, kui seade ei ole aktiivses seisundis                                                                                                                                    | Κατανάλωση ισχύος σε καταστάσεις πλην της ενεργού κατάστασης                                                                                                                                                                    |
| AE | Supplerende forsyningsanlæg                                                                                                                                               | Zusatzheizgerät                                                                                                                                                                                            | Lisaküttesead                                                                                                                                                                              | Συμπληρωματικός θερμαντήρας                                                                                                                                                                                                     |



| No | Danish(DA)                                                                                                                                                                                                                                                                                                                             | German(DE)                                                                                                                                                                                                                                               | Estonian(ET)                                                                                                                                                                                                                                                 | Greek(EL)                                                                                                                                                                                                                                                                                                                                |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AF | Slukket tilstand                                                                                                                                                                                                                                                                                                                       | Aus-Zustand                                                                                                                                                                                                                                              | Väljalülitatud seisund                                                                                                                                                                                                                                       | Κατάσταση εκτός λειτουργίας                                                                                                                                                                                                                                                                                                              |
| AG | Termostat fra-tilstand                                                                                                                                                                                                                                                                                                                 | Thermostat-aus-Zustand                                                                                                                                                                                                                                   | Termostaadiga välja lülitatud seisund                                                                                                                                                                                                                        | Κατάσταση χωρίς λειτουργία θερμοστάτη                                                                                                                                                                                                                                                                                                    |
| AH | Standbytilstand                                                                                                                                                                                                                                                                                                                        | Bereitschaftszustand                                                                                                                                                                                                                                     | Ooteseisund                                                                                                                                                                                                                                                  | Κατάσταση αναμονής                                                                                                                                                                                                                                                                                                                       |
| AI | Krumtaphusopvarmningstilstand                                                                                                                                                                                                                                                                                                          | Betriebszustand mit Kurbelgehäuseheizung                                                                                                                                                                                                                 | Kambrikütte seisund                                                                                                                                                                                                                                          | Λειτουργία θερμαντήρα στροφαλοθαλάμου                                                                                                                                                                                                                                                                                                    |
| AJ | Energiinputtype                                                                                                                                                                                                                                                                                                                        | Art der Energiezufuhr                                                                                                                                                                                                                                    | Sisendenergia liik                                                                                                                                                                                                                                           | Τύπος εισερχόμενης ενέργειας                                                                                                                                                                                                                                                                                                             |
| AK | Andre elementer                                                                                                                                                                                                                                                                                                                        | Sonstige Angaben                                                                                                                                                                                                                                         | Muud näitajad                                                                                                                                                                                                                                                | Άλλα χαρακτηριστικά                                                                                                                                                                                                                                                                                                                      |
| AL | Ydelsesregulering                                                                                                                                                                                                                                                                                                                      | Leistungssteuerung                                                                                                                                                                                                                                       | Võimsuse reguleerimine                                                                                                                                                                                                                                       | Ρύθμιση ισχύος                                                                                                                                                                                                                                                                                                                           |
| AM | fast/variabel                                                                                                                                                                                                                                                                                                                          | fest/veränderlich                                                                                                                                                                                                                                        | Muutumatu/muudetav                                                                                                                                                                                                                                           | σταθερή/μεταβλητή                                                                                                                                                                                                                                                                                                                        |
| AN | For luft-vand-varmepumper: Nominel luftgennemstrømning, ude                                                                                                                                                                                                                                                                            | Für Luft-Wasser-Wärmepumpen: Nenn-Luftdurchsatz, außen                                                                                                                                                                                                   | Õhu-vee-soojuspump: õhu nimivooluhulk, väliskeskkonnas                                                                                                                                                                                                       | Για αντλίες θερμότητας αέρα-νερού: Ονομαστική παροχή αέρα, εξωτερικού χώρου                                                                                                                                                                                                                                                              |
| AO | m³/h                                                                                                                                                                                                                                                                                                                                   | m³/h                                                                                                                                                                                                                                                     | m³/h                                                                                                                                                                                                                                                         | m³/h                                                                                                                                                                                                                                                                                                                                     |
| AP | Lydeffektniveau, inde/ude                                                                                                                                                                                                                                                                                                              | Schallleistungspegel, innen/außen                                                                                                                                                                                                                        | Müravõimsustase, siseruumis/väliskeskkonnas                                                                                                                                                                                                                  | Στάθμη ηχητικής ισχύος, εσωτερικού/εξωτερικού χώρου                                                                                                                                                                                                                                                                                      |
| AQ | Emissioner af kvælstofilter                                                                                                                                                                                                                                                                                                            | Stickoxidausstoß                                                                                                                                                                                                                                         | Lämmastikoksiidide heide                                                                                                                                                                                                                                     | Εκπομπές οξειδίων του αζώτου                                                                                                                                                                                                                                                                                                             |
| AR | For vand/brine-vand-varmepumper: nominel brine- eller vandgennemstrømning, varmeveksler, ude                                                                                                                                                                                                                                           | Für Wasser/Sole-Wasser-Wärmepumpen: Wasser- oder Sole-Neindurchsatz                                                                                                                                                                                      | Vee-soojuskandja-vee-soojuspump: soojuskandja või vee nimivooluhulk, soojusvaheti väljas                                                                                                                                                                     | Για αντλίες θερμότητας νερού-/άλης-νερού: Ονομαστική παροχή άλης ή νερού, εναλλάκτη θερμότητας εξωτερικού χώρου                                                                                                                                                                                                                          |
| AS | For varmepumpeanlæg til kombineret rum- og brugsvarmsopvarmning:                                                                                                                                                                                                                                                                       | Kombiheizgerät mit Wärmepumpe                                                                                                                                                                                                                            | Soojuspumbaga veesoojendi-kütteseade:                                                                                                                                                                                                                        | Για θερμαντήρα συνδυασμένης λειτουργίας με αντλία θερμότητας:                                                                                                                                                                                                                                                                            |
| AT | Angivet forbrugsprofil                                                                                                                                                                                                                                                                                                                 | Angegebenes Lastprofil                                                                                                                                                                                                                                   | Esitatud koormusprofiil                                                                                                                                                                                                                                      | Δηλωμένο προφίλ φορτίου                                                                                                                                                                                                                                                                                                                  |
| AU | Energieeffektivitet ved vandopvarmning                                                                                                                                                                                                                                                                                                 | Warmwasserbereitungs-Energieeffizienz                                                                                                                                                                                                                    | Vee soojendamise kasutegur                                                                                                                                                                                                                                   | Ενεργειακή απόδοση θέρμανσης νερού                                                                                                                                                                                                                                                                                                       |
| AV | Dagligt elforbrug                                                                                                                                                                                                                                                                                                                      | Täglicher Stromverbrauch                                                                                                                                                                                                                                 | Päevane elektrienergiatarve                                                                                                                                                                                                                                  | Ημερήσια κατανάλωση ηλεκτρικής ενέργειας                                                                                                                                                                                                                                                                                                 |
| AW | Dagligt brændselsforbrug                                                                                                                                                                                                                                                                                                               | Täglicher Brennstoffverbrauch                                                                                                                                                                                                                            | Päevane kütteenegiatarve                                                                                                                                                                                                                                     | Ημερήσια κατανάλωση καυσίμου                                                                                                                                                                                                                                                                                                             |
| AX | Kontaktoplysninger                                                                                                                                                                                                                                                                                                                     | Kontakt                                                                                                                                                                                                                                                  | Kontaktandmed                                                                                                                                                                                                                                                | Στοιχεία επικοινωνίας                                                                                                                                                                                                                                                                                                                    |
| AY | <sup>(*)</sup> For varmepumpeanlæg til rumopvarmning og varmepumpeanlæg til kombineret rum- og brugsvarmsopvarmning er den nominelle nytteeffekt Prated lig med den dimensionerende last for opvarmning Pdesignh, og den nominelle nytteeffekt for et supplerende forsyningsanlæg Psup er lig med den supplerende varmeydelse sup(Tj). | <sup>(*)</sup> Für Heizgeräte und Kombiheizgeräte mit Wärmepumpe ist die Wärmenennleistung Prated gleich der Auslegungslast im Heizbetrieb Pdesignh und die Wärmenennleistung eines Zusatzheizgerätes Psup gleich der zusätzlichen Heizleistung sup(Tj). | <sup>(*)</sup> Soojuspumbaga kütteseadmeh ja soojuspumbaga veesoojendite-kütteseadmeh nimisoojusvõimsus Prated on võrdne arvutusliku soojusvõimsusega Pdesignh, lisakütteseadmeh Psup nimisoojusvõimsus on võrdne lisakütteseadmeh soojusvõimsusega sup(Tj). | <sup>(*)</sup> Για θερμαντήρες χώρου με αντλία θερμότητας και θερμαντήρες συνδυασμένης λειτουργίας με αντλία θερμότητας, η ονομαστική θερμική ισχύς Prated ισούται με το θερμαντικό φορτίο σχεδιασμού Pdesignh, και η ονομαστική θερμική ισχύς του συμπληρωματικού θερμαντήρα Psup ισούται με τη συμπληρωματική θερμαντική ισχύ sup(Tj). |
| AZ | <sup>(**)</sup> Hvis Cdh ikke bestemmes ved måling, er koefficienten for effektivitetstab som standard Cdh = 0,9.                                                                                                                                                                                                                      | <sup>(**)</sup> Wird der Cdh-Wert nicht durch Messung bestimmt, gilt für den Minderungsfaktor der Vorgabewert Cdh = 0,9.                                                                                                                                 | <sup>(**)</sup> Kui tegur Cdh on määramata, võetakse vaikimisi Cdh = 0,9.                                                                                                                                                                                    | <sup>(**)</sup> Εάν ο Cdh δεν προσδιοριστεί με μέτρηση, ο εξ ορισμού συντελεστής υποβάθμισης είναι Cdh = 0,9.                                                                                                                                                                                                                            |
| BA | <sup>1)</sup> Du skal tage de forholdsregler, der er beskrevet i installations-/brugervejledningen, når du samler, installerer og vedligeholder dette produkt.                                                                                                                                                                         | <sup>1)</sup> Beim Montieren, Installieren und Warten des Geräts müssen die im Installations-/Benutzerhandbuch beschriebenen Vorsichtsmaßnahmen eingehalten werden.                                                                                      | <sup>1)</sup> Seadmeh kokkupaneikul, paigaldamisel ja hooldusel tuleb rakendada paigaldus-/kasutusjuhendis kirjeldatud ettevaatusabinõusid                                                                                                                   | <sup>1)</sup> Όταν συναρμολογείτε, εγκαθιστάτε και συντηρείτε αυτό το προϊόν, πρέπει να λαμβάνετε τις προφυλάξεις που περιγράφονται στο εγχειρίδιο εγκατάστασης/χρήσης.                                                                                                                                                                  |
| BB | <sup>2)</sup> Hvis du er en erhvervsdrivende, der søger information om, hvordan man afmonterer støvsugerens uden at ødelægge nogle dele, bedes du sende en e-mail til: erims.sec@samsung.com                                                                                                                                           | <sup>2)</sup> Wenn Sie als Fachkraft Informationen zu zerstörungsfreier Demontage und Zerlegung benötigen, schreiben Sie bitte eine E-Mail an: erims.sec@samsung.com.                                                                                    | <sup>2)</sup> Kui olete professionaal, kes otsib teavet mittekahjustava lahtivõtmise ja demonteerimise kohta, saatke palun e-kiri aadressil: erims.sec@samsung.com.                                                                                          | <sup>2)</sup> Εάν είστε επαγγελματίας και αναζητάτε πληροφορίες σχετικά με την αποσυναρμολόγηση χωρίς να προκληθούν καταστροφές, στείλετε μήνυμα ηλεκτρονικού ταχυδρομείου στη διεύθυνση: erims.sec@samsung.com                                                                                                                          |

# COMMISSION REGULATION (EU) No 813/2013 <sup>1)</sup>

| No | French(FR)                                                                                                                                                                                                                                    | Croatian(HR)                                                                                                                                                                                    | Italian(IT)                                                                                                                                                                                                                            | Latvian(LV)                                                                                                                                                                                                                |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| I  | RÈGLEMENT (UE) No 813/2013 DE LA COMMISSION                                                                                                                                                                                                   | UREDBA KOMISIJE (EU) br. 813/2013                                                                                                                                                               | REGOLAMENTO (UE) N. 813/2013 DELLA COMMISSIONE                                                                                                                                                                                         | KOMISIJAS REGULA (ES) Nr. 813/2013                                                                                                                                                                                         |
| II | Les exigences d'écoconception applicables aux dispositifs de chauffage des locaux                                                                                                                                                             | Zahtjevi za ekološki dizajn grijač prostora                                                                                                                                                     | Le specifiche per la progettazione ecocompatibile per apparecchio il riscaldamento d'ambiente                                                                                                                                          | Ekodizaina prasības par telpu sildītājs                                                                                                                                                                                    |
| A  | Modèle(s): [Informations d'identification du ou des modèles concernés]                                                                                                                                                                        | Model(i): [Informacije za identifikaciju modela na koji(-e) se informacije odnose]                                                                                                              | Modelli: [Informazioni per identificare i modelli cui sono riferibili le informazioni]                                                                                                                                                 | Modelis(-i): [Informācija, ar ko identificē modeli(-us), uz kuru(-iem) informācija attiecas]                                                                                                                               |
| B  | Pompes à chaleur air-eau: [oui/non]                                                                                                                                                                                                           | Toplinska crpka zrak-voda: [da/ne]                                                                                                                                                              | Pompa di calore aria/acqua: [si/no]                                                                                                                                                                                                    | Gaiss-ūdens siltumsūknis: [jā/nē]                                                                                                                                                                                          |
| C  | Pompes à chaleur eau-eau: [oui/non]                                                                                                                                                                                                           | Toplinska crpka voda-voda: [da/ne]                                                                                                                                                              | Pompa di calore acqua/acqua: [si/no]                                                                                                                                                                                                   | Ūdens-ūdens siltumsūknis: [jā/nē]                                                                                                                                                                                          |
| D  | Pompe à chaleur eau glycolée-eau: [oui/non]                                                                                                                                                                                                   | Toplinska crpka slana voda-voda: [da/ne]                                                                                                                                                        | Pompa di calore salamoia/acqua: [si/no]                                                                                                                                                                                                | Sālsūdens-ūdens siltumsūknis: [jā/nē]                                                                                                                                                                                      |
| E  | Pompes à chaleur basse température: [oui/non]                                                                                                                                                                                                 | Niskotemperaturna toplinska crpka: [da/ne]                                                                                                                                                      | Pompa di calore a bassa temperatura: [si/no]                                                                                                                                                                                           | Zemas temperatūras diapazona siltumsūknis: [jā/nē]                                                                                                                                                                         |
| F  | Équipée d'un dispositif de chauffage d'appoint: [oui/non]                                                                                                                                                                                     | Opremljena dodatnim grijačem: [da/ne]                                                                                                                                                           | Con riscaldatore supplementare: [si/no]                                                                                                                                                                                                | Aprīkots ar papildu sildītāju: [jā/nē]                                                                                                                                                                                     |
| G  | Dispositif de chauffage mixte par pompe à chaleur: [oui/non]                                                                                                                                                                                  | Kombinirani grijači s toplinskom crpkom: [da/ne]                                                                                                                                                | Apparecchio misto a pompa di calore: [si/no]                                                                                                                                                                                           | Siltumsūkņa kombinētais sildītājs: [jā/nē]                                                                                                                                                                                 |
| H  | Les paramètres sont déclarés pour l'application à moyenne température, excepté pour les pompes à chaleur basse température. Pour les pompes à chaleur basse température, les paramètres sont déclarés pour l'application à basse température. | Parametri se navode za uporabu pri srednjoj temperaturi, osim za niskotemperaturne toplinske crpke. Za niskotemperaturne toplinske crpke parametri se navode za uporabu pri niskoj temperaturi. | I parametri sono dichiarati per l'applicazione a temperatura media, tranne per le pompe di calore a bassa temperatura. Per le pompe di calore a bassa temperatura, i parametri sono dichiarati per l'applicazione a bassa temperatura. | Parametrus deklarē izmantošanai vidējās temperatūras diapazonā, izņemot zemas temperatūras diapazona siltumsūknus. Zemas temperatūras diapazona siltumsūknus parametrus deklarē izmantošanai zemas temperatūras diapazonā. |
| I  | Les paramètres sont déclarés pour les conditions climatiques moyennes.                                                                                                                                                                        | Parametri se navode za prosječne klimatske uvjete.                                                                                                                                              | I parametri sono dichiarati per condizioni climatiche medie.                                                                                                                                                                           | Parametrus deklarē vidējiem klimatiskajiem apstākļiem.                                                                                                                                                                     |
| J  | Caractéristique                                                                                                                                                                                                                               | Stavka                                                                                                                                                                                          | Elemento                                                                                                                                                                                                                               | Pozīcija                                                                                                                                                                                                                   |
| K  | Symbole                                                                                                                                                                                                                                       | Oznaka                                                                                                                                                                                          | Simbolo                                                                                                                                                                                                                                | Apzīmējums                                                                                                                                                                                                                 |
| L  | Valeur                                                                                                                                                                                                                                        | Vrijednost                                                                                                                                                                                      | Valore                                                                                                                                                                                                                                 | Vērtība                                                                                                                                                                                                                    |
| M  | Unité                                                                                                                                                                                                                                         | Jedinica                                                                                                                                                                                        | Unità                                                                                                                                                                                                                                  | Vienība                                                                                                                                                                                                                    |
| N  | Puissance thermique nominale <sup>(*)</sup>                                                                                                                                                                                                   | Nazivna toplinska snaga <sup>(*)</sup>                                                                                                                                                          | Potenza termica nominale <sup>(*)</sup>                                                                                                                                                                                                | Nominālā siltuma jauda <sup>(*)</sup>                                                                                                                                                                                      |
| O  | Prated                                                                                                                                                                                                                                        | Prated                                                                                                                                                                                          | Phominale                                                                                                                                                                                                                              | Prated                                                                                                                                                                                                                     |
| P  | Efficacité énergétique saisonnière pour le chauffage des locaux                                                                                                                                                                               | Sezonska energetska učinkovitost grijanja prostora                                                                                                                                              | Efficienza energetica stagionale del riscaldamento d'ambiente                                                                                                                                                                          | Telpu apsildes sezonas energoefektivitāte                                                                                                                                                                                  |
| Q  | Puissance calorifique déclarée à charge partielle pour une température intérieure de 20 °C et une température extérieure Tj                                                                                                                   | Deklarirani ogrijevni kapacitet za djelomično opterećenje pri unutarnjoj temperaturi od 20 °C i vanjskoj temperaturi Tj                                                                         | Capacità di riscaldamento dichiarata a carico parziale, con temperatura interna pari a 20 °C e temperatura esterna Tj                                                                                                                  | Deklarētā jauda sildīšanai pie daļējas slodzes, ja temperatūra telpā ir 20 °C un ārējais temperatūra ir Tj                                                                                                                 |
| R  | Coefficient de performance déclaré ou coefficient sur énergie primaire déclaré à charge partielle pour une température intérieure de 20 °C et une température extérieure Tj                                                                   | Deklarirani koeficijent učinkovitosti ili omjer primarne energije za djelomično opterećenje pri unutarnjoj temperaturi od 20 °C i vanjskoj temperaturi Tj                                       | Coefficiente di prestazione dichiarato o indice di energia primaria per carico parziale, con temperatura interna pari a 20 °C e temperatura esterna Tj                                                                                 | Deklarētais lietderības koeficients vai primārās enerģijas patēriņa rādītājs pie daļējas slodzes, ja temperatūra telpā ir 20 °C un ārējais temperatūra ir Tj                                                               |
| S  | COPd ou PERd                                                                                                                                                                                                                                  | COPd ili PERd                                                                                                                                                                                   | COPd oppure PERd                                                                                                                                                                                                                       | COPd vai PERd                                                                                                                                                                                                              |
| T  | Tj = température bivalente                                                                                                                                                                                                                    | Tj = bivalentna temperatura                                                                                                                                                                     | Tj = temperatura bivalente                                                                                                                                                                                                             | Tj = bivalentā temperatūra                                                                                                                                                                                                 |
| U  | Tj = température limite de fonctionnement                                                                                                                                                                                                     | Tj = granična radna temperatura                                                                                                                                                                 | Tj = temperatura limite di esercizio                                                                                                                                                                                                   | Tj = darba režīma robežtemperatūra                                                                                                                                                                                         |
| V  | Pour les pompes à chaleur air-eau: Tj = -15 °C (si TOL < -20 °C)                                                                                                                                                                              | Za toplinske crpke zrak-voda: Tj = -15 °C (ako je TOL < -20 °C)                                                                                                                                 | Per le pompe di calore aria/acqua: Tj = -15 °C (se TOL < -20 °C)                                                                                                                                                                       | Gaiss-ūdens siltumsūknim: Tj = -15 °C (ja TOL < -20 °C)                                                                                                                                                                    |
| W  | Température bivalente                                                                                                                                                                                                                         | Bivalentna temperatura                                                                                                                                                                          | Temperatura bivalente                                                                                                                                                                                                                  | Bivalentā temperatūra                                                                                                                                                                                                      |
| X  | Pour les pompes à chaleur air-eau: température limite de fonctionnement                                                                                                                                                                       | Za toplinske crpke zrak-voda: Granična radna temperatura                                                                                                                                        | Per le pompe di calore aria/acqua: temperatura limite di esercizio                                                                                                                                                                     | Gaiss-ūdens siltumsūknim: darba režīma robežtemperatūra                                                                                                                                                                    |
| Y  | Puissance calorifique sur un intervalle cyclique                                                                                                                                                                                              | Ogrijevni kapacitet intervala ciklusa                                                                                                                                                           | Ciclicità degli intervalli di capacità per il riscaldamento                                                                                                                                                                            | Cikliskā intervāla jauda sildīšanai                                                                                                                                                                                        |
| Z  | Efficacité sur un intervalle cyclique                                                                                                                                                                                                         | Učinkovitost intervala ciklusa                                                                                                                                                                  | Efficienza della ciclicità degli intervalli                                                                                                                                                                                            | Cikliskā intervāla efektivitāte                                                                                                                                                                                            |
| AA | COPcyc ou PERcyc                                                                                                                                                                                                                              | COPcyc ili PERcyc                                                                                                                                                                               | COPcyc oppure PERcyc                                                                                                                                                                                                                   | COPcyc vai PERcyc                                                                                                                                                                                                          |
| AB | Coefficient de dégradation <sup>(**)</sup>                                                                                                                                                                                                    | Koeficijent degradacije <sup>(**)</sup>                                                                                                                                                         | Coefficiente di degradazione <sup>(**)</sup>                                                                                                                                                                                           | Pazeminājuma koeficients <sup>(**)</sup>                                                                                                                                                                                   |
| AC | Température maximale de service de l'eau de chauffage                                                                                                                                                                                         | Granična radna temperatura za grijanje vode                                                                                                                                                     | Temperatura limite di esercizio di riscaldamento dell'acqua                                                                                                                                                                            | Ūdens uzsildīšanas darba režīma robežtemperatūra                                                                                                                                                                           |

| No | French(FR)                                                                                                                                                                                                                                                                                                                                                                    | Croatian(HR)                                                                                                                                                                                                                                                                            | Italian(IT)                                                                                                                                                                                                                                                                                                                                                                  | Latvian(LV)                                                                                                                                                                                                                                                            |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AD | Consommation d'électricité dans les modes autres que le mode actif                                                                                                                                                                                                                                                                                                            | Potrošnja energije u načinima koji ne uključuju aktivni način rada                                                                                                                                                                                                                      | Consumo energetico in modi diversi dal modo attivo                                                                                                                                                                                                                                                                                                                           | Jauda režims, kas nav darba režims                                                                                                                                                                                                                                     |
| AE | Dispositif de chauffage d'appoint                                                                                                                                                                                                                                                                                                                                             | Dodatni grijač                                                                                                                                                                                                                                                                          | Riscaldatore supplementare                                                                                                                                                                                                                                                                                                                                                   | Papildu sildītājs                                                                                                                                                                                                                                                      |
| AF | Mode arrêt                                                                                                                                                                                                                                                                                                                                                                    | Stanje isključenosti                                                                                                                                                                                                                                                                    | Modo spento                                                                                                                                                                                                                                                                                                                                                                  | Izslēgts režims                                                                                                                                                                                                                                                        |
| AG | Mode arrêt par thermostat                                                                                                                                                                                                                                                                                                                                                     | Stanje isključenosti termostata                                                                                                                                                                                                                                                         | Modo termostato spento                                                                                                                                                                                                                                                                                                                                                       | Izslēgta termostata režims                                                                                                                                                                                                                                             |
| AH | Mode veille                                                                                                                                                                                                                                                                                                                                                                   | Stanje mirovanja                                                                                                                                                                                                                                                                        | Modo stand-by                                                                                                                                                                                                                                                                                                                                                                | Gaidstāves režims                                                                                                                                                                                                                                                      |
| AI | Mode résistance de carter active                                                                                                                                                                                                                                                                                                                                              | Način rada grijača kućišta                                                                                                                                                                                                                                                              | Modo riscaldamento del carter                                                                                                                                                                                                                                                                                                                                                | Kartera sildītāja režims                                                                                                                                                                                                                                               |
| AJ | Type d'énergie utilisée                                                                                                                                                                                                                                                                                                                                                       | Vrsta utrošene energije                                                                                                                                                                                                                                                                 | Tipo di alimentazione energetica                                                                                                                                                                                                                                                                                                                                             | Pievadītās enerģijas veids                                                                                                                                                                                                                                             |
| AK | Autres caractéristiques                                                                                                                                                                                                                                                                                                                                                       | Druge stavke                                                                                                                                                                                                                                                                            | Altri elementi                                                                                                                                                                                                                                                                                                                                                               | Citas pozīcijas                                                                                                                                                                                                                                                        |
| AL | Régulation de la puissance                                                                                                                                                                                                                                                                                                                                                    | Upravljanje kapacitetom                                                                                                                                                                                                                                                                 | Controllo della capacità                                                                                                                                                                                                                                                                                                                                                     | Jaudas regulēšana                                                                                                                                                                                                                                                      |
| AM | fixe/variable                                                                                                                                                                                                                                                                                                                                                                 | fiksno/promjenjivo                                                                                                                                                                                                                                                                      | fisso/variabile                                                                                                                                                                                                                                                                                                                                                              | fiksēta/maināma jauda                                                                                                                                                                                                                                                  |
| AN | Pour les pompes à chaleur air-eau: débit d'air nominal, à l'extérieur                                                                                                                                                                                                                                                                                                         | Za toplinsku crpku zrak-voda: Nazivna stopa protoka zraka, na otvorenom                                                                                                                                                                                                                 | Per le pompe di calore aria/acqua: portata d'aria, all'esterno                                                                                                                                                                                                                                                                                                               | Gaiss-ūdens siltumsūkņiem: nominālā gaisa caurplūde, ārpus telpām                                                                                                                                                                                                      |
| AO | m³/h                                                                                                                                                                                                                                                                                                                                                                          | m³/h                                                                                                                                                                                                                                                                                    | m³/h                                                                                                                                                                                                                                                                                                                                                                         | m³/h                                                                                                                                                                                                                                                                   |
| AP | Niveau de puissance acoustique, à l'intérieur/à l'extérieur                                                                                                                                                                                                                                                                                                                   | Razina zvučne snage, unutra/vani                                                                                                                                                                                                                                                        | Livello della potenza sonora, all'interno/all'esterno                                                                                                                                                                                                                                                                                                                        | Akustiskās jaudas līmenis telpās/ārpus telpām                                                                                                                                                                                                                          |
| AQ | Émissions d'oxydes d'azote                                                                                                                                                                                                                                                                                                                                                    | Emisija dušikogov oksīda                                                                                                                                                                                                                                                                | Emissioni di ossidi di azoto                                                                                                                                                                                                                                                                                                                                                 | Slāpekļa oksīdu emisijas                                                                                                                                                                                                                                               |
| AR | Pour les pompes à chaleur eau-eau ou eau glycolée-eau: débit nominal d'eau glycolée ou d'eau, échangeur thermique extérieur                                                                                                                                                                                                                                                   | Za toplinske crpke voda/slana voda-voda: Nazivna stopa protoka slane vode ili vode, na vanjskom izmjenjivaču topline                                                                                                                                                                    | Per le pompe di calore acqua/acqua e salamoia/acqua: flusso di salamoia o acqua nominale, scambiatore di calore all'esterno                                                                                                                                                                                                                                                  | Ūdens vai sālsūdens-ūdens siltumsūkņiem: nominālā sālsūdens vai ūdens caurplūde, ārtelpu siltummainis                                                                                                                                                                  |
| AS | Pour les dispositifs de chauffage mixtes par pompe à chaleur:                                                                                                                                                                                                                                                                                                                 | Za kombinirane grijače s toplinskom crpkom:                                                                                                                                                                                                                                             | Per gli apparecchi di riscaldamento misti a pompa di calore:                                                                                                                                                                                                                                                                                                                 | Siltumsūkņa kombinētajam sildītājam:                                                                                                                                                                                                                                   |
| AT | Profil de soutirage déclaré                                                                                                                                                                                                                                                                                                                                                   | Deklarirani profil opterećenja                                                                                                                                                                                                                                                          | Profilo di carico dichiarato                                                                                                                                                                                                                                                                                                                                                 | Deklarētais slodzes profils                                                                                                                                                                                                                                            |
| AU | Efficacité énergétique pour le chauffage de l'eau                                                                                                                                                                                                                                                                                                                             | Energetska učinkovitost zagrijavanja vode                                                                                                                                                                                                                                               | Efficienza energetica di riscaldamento dell'acqua                                                                                                                                                                                                                                                                                                                            | Ūdens uzsildīšanas energoefektivitāte                                                                                                                                                                                                                                  |
| AV | Consommation journalière d'électricité                                                                                                                                                                                                                                                                                                                                        | Dnevna potrošnja električne energije                                                                                                                                                                                                                                                    | Consumo quotidiano di energia elettrica                                                                                                                                                                                                                                                                                                                                      | Dienas elektroenerģijas patēriņš                                                                                                                                                                                                                                       |
| AW | Consommation journalière de combustible                                                                                                                                                                                                                                                                                                                                       | Dnevna potrošnja goriva                                                                                                                                                                                                                                                                 | Consumo quotidiano di combustibile                                                                                                                                                                                                                                                                                                                                           | Dienas kurināmā patēriņš                                                                                                                                                                                                                                               |
| AX | Coordonnées de contact                                                                                                                                                                                                                                                                                                                                                        | Podaci za kontakt                                                                                                                                                                                                                                                                       | Recapiti                                                                                                                                                                                                                                                                                                                                                                     | Kontakta informācija                                                                                                                                                                                                                                                   |
| AY | <sup>(*)</sup> Pour les dispositifs de chauffage des locaux par pompe à chaleur et les dispositifs de chauffage mixtes par pompe à chaleur, la puissance thermique nominale Prated est égale à la charge calorifique nominale Pdesignh et la puissance thermique nominale d'un dispositif de chauffage d'appoint Psup est égale à la puissance calorifique d'appoint sup(Tj). | <sup>(*)</sup> Za toplinske crpke za grijanje prostora i kombinirane grijače s toplinskom crpkom nazivna toplinska snaga Prated jednaka je projektnom ogrjevnom opterećenju Pdesignh, a nazivna toplinska snaga dodatnog grijača Psup jednaka je dodatnom ogrjevnom kapacitetu sup(Tj). | <sup>(*)</sup> Per gli apparecchi a pompa di calore per il riscaldamento d'ambiente e gli apparecchi di riscaldamento misti a pompa di calore, la potenza termica nominale Pnominale è pari al carico teorico per il riscaldamento Pdesignh e la potenza termica nominale di un riscaldatore supplementare Psup è pari alla capacità supplementare di riscaldamento sup(Tj). | <sup>(*)</sup> Siltumsūkņa telpu sildītājiem un siltumsūkņa kombinētajiem sildītājiem nominālā siltuma jauda Prated ir vienāda ar aprēķina slodzi sildīšanai Pdesignh un papildu sildītāja nominālā siltuma jauda Psup ir vienāda ar sildīšanas papildu jaudu sup(Tj). |
| AZ | <sup>(**)</sup> Si le Cdh n'est pas déterminé par des mesures, le coefficient de dégradation par défaut est Cdh = 0,9.                                                                                                                                                                                                                                                        | <sup>(**)</sup> Ako Cdh nije određen mjerenjem, standardni koeficijent degradacije je Cdh = 0,9.                                                                                                                                                                                        | <sup>(**)</sup> Se Cdh non è determinato mediante misurazione, il coefficiente di degradazione è Cdh = 0,9.                                                                                                                                                                                                                                                                  | <sup>(**)</sup> Ja Cdh nenosaka, izmantojot mērījumus, tad standarta pazeminājuma koeficients ir Cdh = 0,9.                                                                                                                                                            |
| BA | <sup>(1)</sup> Des précautions, comme décrit dans le manuel d'installation/d'utilisation, doivent être prises lors du montage, de l'installation et de l'entretien de l'appareil.                                                                                                                                                                                             | <sup>(1)</sup> Prilikom sastavljanja, instalacije i održavanja proizvoda potrebno je poduzeti mjere opreza navedene u priručniku za instalaciju / korisničkom priručniku.                                                                                                               | <sup>(1)</sup> Durante l'assiemeaggio, l'installazione e la manutenzione di questo apparecchio vanno poste in atto tutte le avvertenze e le precauzioni che sono indicate nei manuali di installazione e per l'utente.                                                                                                                                                       | <sup>(1)</sup> Montāža un produkta apkope jāveic saskaņā ar montāžas/lietošanas instrukciju.                                                                                                                                                                           |
| BB | <sup>(2)</sup> Si vous êtes un professionnel à la recherche des informations sur le démontage et le démantèlement, veuillez envoyer un e-mail à l'adresse: erims.sec@samsung.com                                                                                                                                                                                              | <sup>(2)</sup> Ako ste stručnjak u potrazi za informacijama o nerazornom rastavljanju i rasklapanju, pošaljite elektroničku poruku na adresu: erims.sec@samsung.com                                                                                                                     | <sup>(2)</sup> Se sei un tecnico e vuoi sapere come smontare in modo accurato e non distruttivo il prodotto, invia una email all'indirizzo: erims.sec@samsung.com                                                                                                                                                                                                            | <sup>(2)</sup> Ja esat meistars, kas meklē informāciju, kā demontēt un izjaukt ierīci, to nesabojājot, sūtiet e-pasta vēstuli uz adresi: erims.sec@samsung.com.                                                                                                        |

# COMMISSION REGULATION (EU) No 813/2013 <sup>1)</sup>

| No | Lithuanian(LT)                                                                                                                                                                                                                                       | Hungarian(HU)                                                                                                                                                                                                                                                | Maltese(MT)                                                                                                                                                                                                                                  | Dutch(NL)                                                                                                                                                                                                                            |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| I  | KOMISIJOS REGLAMENTAS (ES) Nr. 813/2013                                                                                                                                                                                                              | A BIZOTTSÁG 813/2013/EU RENDELETE                                                                                                                                                                                                                            | REGOLAMENT TAL-KUMMISSJONI (UE) Nru 813/2013                                                                                                                                                                                                 | VERORDENING (EU) Nr. 813/2013 VAN DE COMMISSIE                                                                                                                                                                                       |
| II | Ekologinio projektavimo reikalavimai už patalpų šildytuvus                                                                                                                                                                                           | A környezettudatos tervezésére vonatkozó követelményeket helyiségfűtő berendezés                                                                                                                                                                             | Rekwiżiti tal-ekodisinn għall hiter tal-post                                                                                                                                                                                                 | De eisen inzake ecologisch ontwerp voor ruimteverwarmingstoestel                                                                                                                                                                     |
| A  | Modelis (-iai) [modelio (-ų), kuriam (-iems) taikoma informacija, identifikavimo duomenys]                                                                                                                                                           | Modell(ek): [az információk tárgyát képező modell(ek) megjelölése]                                                                                                                                                                                           | Mudell(i): [tagħrif li bih jiġi identifikat il-mudell/jiġu identifikati l-mudelli li magħhom huwa relatat dan il-tagħrif]                                                                                                                    | Modell(len): [informatie ter bepaling van het model waarop de informatie betrekking heeft]                                                                                                                                           |
| B  | Oro-vandens šilumos siurblys [taip / ne]                                                                                                                                                                                                             | Levegő-víz típusú hőszivattyú: [igen/nem]                                                                                                                                                                                                                    | Pompa tas-shana arja-ilma: [iva/le]                                                                                                                                                                                                          | Lucht/water-warmtepomp: [ja/nee]                                                                                                                                                                                                     |
| C  | Vandens-vandens šilumos siurblys [taip / ne]                                                                                                                                                                                                         | Víz-víz típusú hőszivattyú: [igen/nem]                                                                                                                                                                                                                       | Pompa tas-shana ilma-ilma: [iva/le]                                                                                                                                                                                                          | Water/water-warmtepomp: [ja/nee]                                                                                                                                                                                                     |
| D  | Tirpalo-vandens šilumos siurblys [taip / ne]                                                                                                                                                                                                         | Sós víz-víz típusú hőszivattyú: [igen/nem]                                                                                                                                                                                                                   | Pompa tas-shana salmura-ilma: [iva/le]                                                                                                                                                                                                       | Pekel/water-warmtepomp: [ja/nee]                                                                                                                                                                                                     |
| E  | Žematemperatūris šilumos siurblys [taip / ne]                                                                                                                                                                                                        | Alacsony hőmérsékletű hőszivattyú: [igen/nem]                                                                                                                                                                                                                | Pompa tas-shana b'temperatura baxxa: [iva/le]                                                                                                                                                                                                | Lagetemperatuurwarmtepomp: [ja/nee]                                                                                                                                                                                                  |
| F  | Ar yra papildomas šildytuvus [taip / ne]                                                                                                                                                                                                             | Rendelkezik-e kiegészítő fűtőberendezéssel: [igen/nem]                                                                                                                                                                                                       | Mgħammar b'hiter supplimentari: [iva/le]                                                                                                                                                                                                     | Uitgerust met aanvullend verwarmingstoestel: [ja/nee]                                                                                                                                                                                |
| G  | Kombinuotasis šildytuvus su šilumos siurbliu [taip / ne]                                                                                                                                                                                             | Hőszivattyús kombinált fűtőberendezés: [igen/nem]                                                                                                                                                                                                            | Hiter ikkombinat b'pompa tas-shana: [iva/le]                                                                                                                                                                                                 | Combinatieverwarmingstoestel met warmtepomp: [ja/nee]                                                                                                                                                                                |
| H  | Pateikiami naudojimo esant vidutinei temperatūrai parametrai, išskyrus atvejus, kai teikiama informacija apie žematemperatūris šilumos siurblius. Žematemperatūrių šilumos siurblių atvejų pateikiami naudojimo esant žemai temperatūrai parametrai. | A paramétereket az alacsony hőmérsékletű hőszivattyúk kivételével a közepes hőmérsékletű használatra vonatkozóan kell megadni. Az alacsony hőmérsékletű hőszivattyúk esetében a paramétereket az alacsony hőmérsékletű használatra vonatkozóan kell megadni. | Il-parametri għandhom jingħataw għal applikazzjoni b'temperatura medja, hliief għall-pompi tas-shana b'temperatura baxxa. Għall-pompi tas-shana b'temperatura baxxa, il-parametri għandhom jingħataw għal applikazzjoni b'temperatura baxxa. | Parameters moeten worden opgegeven voor toepassing op middelhoge temperatuur, uitgezonderd voor lagetemperatuurwarmtepompen. Voor lagetemperatuurwarmtepompen moeten parameters worden opgegeven bij toepassing op lage temperatuur. |
| I  | Pateikiami naudojimo vidutinėmis klimato sąlygomis parametrai.                                                                                                                                                                                       | A paramétereket az átlagos éghajlati viszonyokra vonatkozóan kell megadni.                                                                                                                                                                                   | Il-parametri għandhom jingħataw għall-kundizzjonijiet klimatiki medji.                                                                                                                                                                       | Parameters moeten worden opgegeven voor gemiddelde klimaatomstandigheden.                                                                                                                                                            |
| J  | Parametras                                                                                                                                                                                                                                           | Elem                                                                                                                                                                                                                                                         | Fattur                                                                                                                                                                                                                                       | Kenmerk                                                                                                                                                                                                                              |
| K  | Sutartinis ženklas                                                                                                                                                                                                                                   | Jel                                                                                                                                                                                                                                                          | Simbolu                                                                                                                                                                                                                                      | Symbool                                                                                                                                                                                                                              |
| L  | Vertė                                                                                                                                                                                                                                                | Érték                                                                                                                                                                                                                                                        | Valur                                                                                                                                                                                                                                        | Waarde                                                                                                                                                                                                                               |
| M  | Vienetai                                                                                                                                                                                                                                             | Mértékegység                                                                                                                                                                                                                                                 | Unità                                                                                                                                                                                                                                        | Eenheid                                                                                                                                                                                                                              |
| N  | Vardinis šilumos atidavimas <sup>(*)</sup>                                                                                                                                                                                                           | Mért hőteljesítmény <sup>(*)</sup>                                                                                                                                                                                                                           | Potenza termika nominali <sup>(*)</sup>                                                                                                                                                                                                      | Nominale warmteafgifte <sup>(*)</sup>                                                                                                                                                                                                |
| O  | Prated                                                                                                                                                                                                                                               | Prated                                                                                                                                                                                                                                                       | Prated                                                                                                                                                                                                                                       | Prated                                                                                                                                                                                                                               |
| P  | Sezoninis energijos patalpoms šildyti vartojimo efektyvumas                                                                                                                                                                                          | Szezonális helyiségfűtési hatásfok                                                                                                                                                                                                                           | Effiċjenza enerġetika staġonali tat-tishin tal-post                                                                                                                                                                                          | Seizoensgebonden energie-efficiëntie van ruimteverwarming                                                                                                                                                                            |
| Q  | Deklaruotasis šildymo pajėgumas su daline aprova, esant 20 °C patalpų temperatūrai ir lauko temperatūrai Tj.                                                                                                                                         | Névleges fűtőtéljesítmény részterhelés mellett, 20 °C beltéri és Tj kültéri hőmérsékleten:                                                                                                                                                                   | Kapaċità tat-tishin iddikjarata għal tagħbija parzjali b'temperatura ta' ġewwa ta' 20 °C u temperatura ta' barra ta' Tj                                                                                                                      | Opgegeven verwarmingsvermogen voor deellast bij een binnentemperatuur van 20 °C en een buitentemperatuur Tj                                                                                                                          |
| R  | Deklaruotasis veiksmingumo koeficientas arba pirminės energijos santykis su daline aprova, esant 20 °C patalpų temperatūrai ir lauko temperatūrai Tj.                                                                                                | Névleges fűtési jószágfok vagy primerenergia-hányados részterhelés mellett, 20 °C beltéri és Tj kültéri hőmérsékleten                                                                                                                                        | Koeffiċjent iddikjarat tal-prestazzjoni jew proporzjon iddikjarat tal-enerġija primarja għal tagħbija parzjali b'temperatura ta' ġewwa ta' 20 °C u temperatura ta' barra ta' Tj                                                              | Opgegeven prestatiecoëfficiënt of primaire-energie-verhouding voor deellast bij een binnentemperatuur van 20 °C en buitentemperatuur Tj                                                                                              |
| S  | COPd arba PERd                                                                                                                                                                                                                                       | COPd vagy PERd                                                                                                                                                                                                                                               | COPd jew PERd                                                                                                                                                                                                                                | COPd or PERd                                                                                                                                                                                                                         |
| T  | Tj = perėjimo į dvejopo šildymo režimą temperatūra                                                                                                                                                                                                   | Tj = bivalens hőmérséklet                                                                                                                                                                                                                                    | Tj = temperatura bivalenti                                                                                                                                                                                                                   | Tj = bivalente temperatuur                                                                                                                                                                                                           |
| U  | Tj = ribinė veikimo temperatūra                                                                                                                                                                                                                      | Tj = megengedett üzemi hőmérséklet                                                                                                                                                                                                                           | Tj = temperatura tal-limitu tat-thaddim                                                                                                                                                                                                      | Tj = uiterste bedrijfstemperatuur                                                                                                                                                                                                    |
| V  | Oro-vandens šilumos siurblių atveju – Tj = – 15 °C (jei TOL < – 20 °C)                                                                                                                                                                               | Levegő-víz típusú hőszivattyúk esetében: Tj = – 15 °C (ha TOL < – 20 °C)                                                                                                                                                                                     | Għall-pompi tas-shana arja-ilma: Tj = – 15 °C (jekk TOL < – 20 °C)                                                                                                                                                                           | Voor lucht/water-warmtepompen: Tj = – 15 °C (als TOL < – 20 °C)                                                                                                                                                                      |
| W  | Perejimo į dvejopo šildymo režimą temperatūra                                                                                                                                                                                                        | Bivalens hőmérséklet                                                                                                                                                                                                                                         | Temperatura bivalenti                                                                                                                                                                                                                        | Bivalente temperatuur                                                                                                                                                                                                                |
| X  | Oro-vandens šilumos siurblių atveju – Ribinė veikimo temperatūra                                                                                                                                                                                     | Levegő-víz típusú hőszivattyúk esetében: Megengedett üzemi hőmérséklet                                                                                                                                                                                       | Għall-pompi tas-shana arja-ilma: Temperatura tal-limitu tat-thaddim                                                                                                                                                                          | Voor lucht/water-warmtepompen: uiterste bedrijfstemperatuur                                                                                                                                                                          |
| Y  | Ciklinis pajėgumas šildymo režimu                                                                                                                                                                                                                    | Fűtési ciklustéljesítmény                                                                                                                                                                                                                                    | Kapaċità tal-intervall cikliku għat-tishin                                                                                                                                                                                                   | Cyclisch-intervalvermogen voor verwarming                                                                                                                                                                                            |
| Z  | Ciklinis efektyvumas                                                                                                                                                                                                                                 | Ciklikus jószágfok                                                                                                                                                                                                                                           | Effiċjenza tal-intervall cikliku                                                                                                                                                                                                             | Cyclisch-intervalefficiëntie                                                                                                                                                                                                         |
| AA | COPcyc arba PERcyc                                                                                                                                                                                                                                   | COPcyc vagy PERcyc                                                                                                                                                                                                                                           | COPcyc jew PERcyc                                                                                                                                                                                                                            | COPcyc or PERcyc                                                                                                                                                                                                                     |
| AB | Blogėjimo koeficientas <sup>(**)</sup>                                                                                                                                                                                                               | Degradációs tényező <sup>(**)</sup>                                                                                                                                                                                                                          | Koeffiċjent ta' degradazzjoni <sup>(**)</sup>                                                                                                                                                                                                | Verliescoëfficiënt <sup>(**)</sup>                                                                                                                                                                                                   |
| AC | Šildymo vandens ribinė veikimo temperatūra                                                                                                                                                                                                           | Fűtővíz megengedett üzemi hőmérséklete                                                                                                                                                                                                                       | Temperatura limitu tat-thaddim għall-ilma tat-tishin                                                                                                                                                                                         | Uiterste bedrijfstemperatuur van sanitair water                                                                                                                                                                                      |
| AD | Vartojamoji galia ne aktyviaja veikiena                                                                                                                                                                                                              | Energiafogyasztás a főfunkción kívüli üzemmódban                                                                                                                                                                                                             | Konsum tal-enerġija fil-modalitajiet minbarra dik attiva                                                                                                                                                                                     | Elektriciteitsverbruik in andere standen dan de actieve modus                                                                                                                                                                        |
| AE | Papildomas šildytuvus                                                                                                                                                                                                                                | Kiegészítő fűtőberendezés                                                                                                                                                                                                                                    | Hiter supplimentari                                                                                                                                                                                                                          | Aanvullend verwarmingstoestel                                                                                                                                                                                                        |
| AF | Išjungties veikiena                                                                                                                                                                                                                                  | Kikapcsolt üzemmód                                                                                                                                                                                                                                           | Modalità Mitfi                                                                                                                                                                                                                               | Uit-stand                                                                                                                                                                                                                            |
| AG | Termostato išjungties veikiena                                                                                                                                                                                                                       | Termosztát által kikapcsolt üzemmód                                                                                                                                                                                                                          | Modalità bit-termostat mitfi                                                                                                                                                                                                                 | Thermostaat-uit-stand                                                                                                                                                                                                                |

| No | Lithuanian(LT)                                                                                                                                                                                                                                                                                     | Hungarian(HU)                                                                                                                                                                                                                                                                                               | Maltese(MT)                                                                                                                                                                                                                                                                                                            | Dutch(NL)                                                                                                                                                                                                                                                                                                                                             |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AH | Budėjimo veikseną                                                                                                                                                                                                                                                                                  | Készenléti üzemmód                                                                                                                                                                                                                                                                                          | Modalità Stennija                                                                                                                                                                                                                                                                                                      | Stand-by-stand                                                                                                                                                                                                                                                                                                                                        |
| AI | Karterio šildymo veikseną                                                                                                                                                                                                                                                                          | Forgattyúház-fűtési üzemmód                                                                                                                                                                                                                                                                                 | Modalità tal-hiter tal-kisi tal-krank                                                                                                                                                                                                                                                                                  | Carterverwarming-stand                                                                                                                                                                                                                                                                                                                                |
| AJ | Tiekiamos energijos rūšis                                                                                                                                                                                                                                                                          | Energiabeivitel jellege                                                                                                                                                                                                                                                                                     | Tip ta' kontribut tal-enerġija                                                                                                                                                                                                                                                                                         | Soort energie-input                                                                                                                                                                                                                                                                                                                                   |
| AK | Kiti parametrai                                                                                                                                                                                                                                                                                    | További elemek                                                                                                                                                                                                                                                                                              | oġġetti oħra                                                                                                                                                                                                                                                                                                           | Andere kenmerken                                                                                                                                                                                                                                                                                                                                      |
| AL | Pajėgumo valdymas                                                                                                                                                                                                                                                                                  | Teljesítményszabályozás                                                                                                                                                                                                                                                                                     | Kontroll tal-kapaċità                                                                                                                                                                                                                                                                                                  | Vermogenscontrole                                                                                                                                                                                                                                                                                                                                     |
| AM | pastovus/kintamas                                                                                                                                                                                                                                                                                  | rögzített/állítható                                                                                                                                                                                                                                                                                         | fiss/varjabbli                                                                                                                                                                                                                                                                                                         | vast/variabel                                                                                                                                                                                                                                                                                                                                         |
| AN | Oro-vandens šilumos siurblių atveju – vardinis oro srautas (lauke)                                                                                                                                                                                                                                 | Levegő-víz típusú hőszivattyúk esetében: Mért légtömegáram, kültéri                                                                                                                                                                                                                                         | Għall-pompi tas-shana arja-ilma: Rata nominali ta' fluss tal-arja fuq barra                                                                                                                                                                                                                                            | Voor lucht/water-warmtepompen: nominaal luchtdebiet, buiten                                                                                                                                                                                                                                                                                           |
| AO | m³/h                                                                                                                                                                                                                                                                                               | m³/h                                                                                                                                                                                                                                                                                                        | m³/h                                                                                                                                                                                                                                                                                                                   | m³/h                                                                                                                                                                                                                                                                                                                                                  |
| AP | Garso galios lygis (patalpoje/lauke)                                                                                                                                                                                                                                                               | Hangteljesítményszint, beltéri/kültéri                                                                                                                                                                                                                                                                      | Livell ta' qawwa tal-hoss, fuq barra/fuq gewwa                                                                                                                                                                                                                                                                         | Geluidsvermogensniveau, binnen/buiten                                                                                                                                                                                                                                                                                                                 |
| AQ | Išmetamų azoto oksidų kiekis                                                                                                                                                                                                                                                                       | Nitrogén-oxid-kibocsátás                                                                                                                                                                                                                                                                                    | Emissjonijiet tal-ossidi tan-nitroġenu                                                                                                                                                                                                                                                                                 | Emissies van stikstofoxiden                                                                                                                                                                                                                                                                                                                           |
| AR | Vandens-vandens ir tirpalo-vandens šilumos siurblių atveju – vardinis tirpalo arba vandens srautas (lauko šilumokaityje)                                                                                                                                                                           | Víz-/sós víz-víz típusú hőszivattyúk esetében: Mért sósvíz- vagy vízáramlási sebesség, kültéri hőcserélővel                                                                                                                                                                                                 | Għall-pompi tas-shana ilma-/salmura-ilma: Rata nominali ta' fluss tal-ilma jew tas-salmura, skambjatur tas-shana li jkun jinsab fuq barra                                                                                                                                                                              | Voor water/water- en pekel/water-warmtepompen: nominaal pekel- of waterdebiet, warmtewisselaar buiten                                                                                                                                                                                                                                                 |
| AS | Kombinuotojo šildytuvo su šilumos siurbliu atveju                                                                                                                                                                                                                                                  | Hőszivattyús kombinált fűtőberendezés esetében:                                                                                                                                                                                                                                                             | Għall-hiters ikkombinati b'pompa tas-shana:                                                                                                                                                                                                                                                                            | Voor combinatieverwarmingstoestellen met warmtepomp:                                                                                                                                                                                                                                                                                                  |
| AT | Deklaruotasis apkrovos profilis                                                                                                                                                                                                                                                                    | Névleges terhelési profil                                                                                                                                                                                                                                                                                   | Profil tat-tagħbija ddiġjarat                                                                                                                                                                                                                                                                                          | Opgegeven capaciteitsprofiel                                                                                                                                                                                                                                                                                                                          |
| AU | Energijos vandeniu šildyti vartojimo efektyvumas                                                                                                                                                                                                                                                   | Vízmelegítési hatások                                                                                                                                                                                                                                                                                       | Effiċjenza enerġetika tat-tishin tal-ilma                                                                                                                                                                                                                                                                              | Energie-efficiëntie van waterverwarming                                                                                                                                                                                                                                                                                                               |
| AV | Elektros energijos suvartojimas per parą                                                                                                                                                                                                                                                           | Napi villamosenergia-fogyasztás                                                                                                                                                                                                                                                                             | Konsum ta' kuljum tal-elettriku                                                                                                                                                                                                                                                                                        | Dagelijks elektriciteitsverbruik                                                                                                                                                                                                                                                                                                                      |
| AW | Kuro suvartojimas per parą                                                                                                                                                                                                                                                                         | Napi tüzelőanyag-fogyasztás                                                                                                                                                                                                                                                                                 | Konsum ta' kuljum tal-fjuwil                                                                                                                                                                                                                                                                                           | Dagelijks brandstofverbruik                                                                                                                                                                                                                                                                                                                           |
| AX | Kontaktiniai duomenys                                                                                                                                                                                                                                                                              | Elérhetőség                                                                                                                                                                                                                                                                                                 | Dettalji ta' kuntatt                                                                                                                                                                                                                                                                                                   | Contactgegevens                                                                                                                                                                                                                                                                                                                                       |
| AY | <sup>(*)</sup> Patalpų šildytuvų su šilumos siurbliu ir kombinuotųjų šildytuvų su šilumos siurbliu atveju vardinis šilumos atidavimas Prated lygus projektinei aprovai šildymo režimu Pdesignh, o papildomo šildytuvo vardinis šilumos atidavimas Psup lygus papildomam šildymo pajėgumui sup(Tj). | <sup>(*)</sup> Hőszivattyús helyiségfűtő berendezések és hőszivattyús kombinált fűtőberendezések esetében a Prated mért hőteljesítmény egyenlő a Pdesignh tervezési fűtési terheléssel, emellett a kiegészítő fűtőberendezés Psup mért hőteljesítménye megegyezik a sup(Tj) kiegészítő fűtőteljesítménnyel. | <sup>(*)</sup> Għall-hiters tal-post b'pompa tas-shana u għall-hiters ikkombinati b'pompa tas-shana, il-potenza termika nominali, Prated, hija daqs it-tagħbija tad-disinn għat-tishin, Pdesignh, u l-potenza termika nominali ta' hiter supplimentari, Psup, hija daqs il-kapaċità supplimentari tat-tishin, sup(Tj). | <sup>(*)</sup> Voor ruimteverwarmingstoestellen met warmtepomp en combinatieverwarmingstoestellen met warmtepomp, is de nominale warmteafgifte Prated gelijk aan de ontwerpbelasting voor verwarming Pdesignh, en is de nominale warmteafgifte van een aanvullend verwarmingstoestel Psup gelijk aan het aanvullend vermogen voor verwarming sup(Tj). |
| AZ | <sup>(**)</sup> Jei Cdh nenustatomas matuojant, naudojama numatytoji blogėjimo koeficiento vertė Cdh = 0,9.                                                                                                                                                                                        | <sup>(**)</sup> Amennyiben a Cdh értékét nem mérésrel állapítják meg, akkor az alapértelmezett degradációs tényező: Cdh = 0,9.                                                                                                                                                                              | <sup>(**)</sup> Jekk il-koeffiċjent ta' degradazzjoni, Cdh, ma jiġix stabbilt bil-kejl, b'mod awtomatiku jitqies li huwa ta' Cdh = 0,9.                                                                                                                                                                                | <sup>(**)</sup> Als Cdh niet door meting is bepaald, is de standaardwaarde van de verliescoëfficiënt Cdh = 0,9.                                                                                                                                                                                                                                       |
| BA | <sup>1)</sup> Atliekant montavimo ir aptarnavimo darbus privaloma laikytis atsargumo priemonių, nurodytų diegimo/vartotojo vadove.                                                                                                                                                                 | <sup>1)</sup> A termék összeszerelése, telepítése és a karbantartása során tartsa be a telepítési/használati útmutatóban leírt óvintézkedéseket.                                                                                                                                                            | <sup>1)</sup> Prekawzjonijiet kif deskritt fl-installazzjoni u l-utent manwali għandhom jittiehdu meta jlaqqa 'ninstallazzjoni, u z-żamma dan il-prodott                                                                                                                                                               | <sup>1)</sup> De voorzorgsmaatregelen die in de gebruikershandleiding worden beschreven, moeten in acht worden genomen bij montage, installatie en onderhoud van dit product.                                                                                                                                                                         |
| BB | <sup>2)</sup> Jei esate specialistas ir ieškote informacijos kaip išardyti įrangą jos nepažeidžiant, parašykite el. laišką adresu: erims.sec@samsung.com                                                                                                                                           | <sup>2)</sup> Ha Ön szakember, és információt keres az ártalmatlan szétszereléssel és bontással kapcsolatban, kérjük, küldjön egy e-mailt az: erims.sec@samsung.com címre.                                                                                                                                  | <sup>2)</sup> Jekk inti persuna professional i u qed tftitx informazzjoni fuq armar u zarmar li ma jagħmilx danni, jekk jogħbok ibagħat email fuq: erims.sec@samsung.com                                                                                                                                               | <sup>2)</sup> Als u als professional op zoek bent naar informatie over de niet-destructieve demontage en ontmanteling, stuur dan een e-mail naar: erims.sec@samsung.com                                                                                                                                                                               |

# COMMISSION REGULATION (EU) No 813/2013 <sup>1)</sup>

| No | Polish(PL)                                                                                                                                                                                                            | Portuguese(PT)                                                                                                                                                                                                                           | Romanian(RO)                                                                                                                                                                                                         | Slovak(SK)                                                                                                                                                                                                                              |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| I  | ROZPORZĄDZENIE KOMISJI (UE) NR 813/2013                                                                                                                                                                               | REGULAMENTO (UE) N.º 813/2013 DA COMISSÃO                                                                                                                                                                                                | NARIADENIE KOMISIE (EÚ) č. 813/2013                                                                                                                                                                                  | NARIADENIE KOMISIE (EÚ) č. 813/2013                                                                                                                                                                                                     |
| II | Wymogi dotyczące ekoprojektu dla ogrzewaczy pomieszczeń                                                                                                                                                               | Os requisitos de conceção ecológica para aquecedor de ambiente                                                                                                                                                                           | Požadavky na ekodizajn tepelný zdroj na vykurovanie priestoru                                                                                                                                                        | Požadavky na ekodizajn tepelný zdroj na vykurovanie priestoru                                                                                                                                                                           |
| A  | Model(-e): [dane określające modele, do których odnosi się informacje]                                                                                                                                                | Modelo(s): [dados de identificação do(s) modelo(s) a que se refere a informação]                                                                                                                                                         | Model(-y): [informácie na určenie modelu(-ov), ktorého(-ých) sa informácie týkajú]                                                                                                                                   | Model(-y): [informácie na určenie modelu(-ov), ktorého(-ých) sa informácie týkajú]                                                                                                                                                      |
| B  | Pompa ciepła powietrze/woda: [tak/nie]                                                                                                                                                                                | Bomba de calor ar-água: [sim/não]                                                                                                                                                                                                        | Tepelné čerpadlo vzduch – voda: [áno/nie]                                                                                                                                                                            | Tepelné čerpadlo vzduch – voda: [áno/nie]                                                                                                                                                                                               |
| C  | Pompa ciepła woda/woda: [tak/nie]                                                                                                                                                                                     | Bomba de calor água-água: [sim/não]                                                                                                                                                                                                      | Tepelné čerpadlo voda – voda: [áno/nie]                                                                                                                                                                              | Tepelné čerpadlo voda – voda: [áno/nie]                                                                                                                                                                                                 |
| D  | Pompa ciepła solanka/woda: [tak/nie]                                                                                                                                                                                  | Bomba de calor salmoura-água: [sim/não]                                                                                                                                                                                                  | Tepelné čerpadlo slaná voda – voda: [áno/nie]                                                                                                                                                                        | Tepelné čerpadlo studničná voda – voda: [áno/nie]                                                                                                                                                                                       |
| E  | Niskotemperaturowa pompa ciepła: [tak/nie]                                                                                                                                                                            | Bomba de calor de baixa temperatura: [sim/não]                                                                                                                                                                                           | Nízkočíslné tepelné čerpadlo: [áno/nie]                                                                                                                                                                              | Nízkočíslné tepelné čerpadlo: [áno/nie]                                                                                                                                                                                                 |
| F  | Wyposażona w dodatkowy ogrzewacz: [tak/nie]                                                                                                                                                                           | Equipada com um aquecedor suplementar: [sim/não]                                                                                                                                                                                         | Vybavené dodatočným tepelným zdrojom: [áno/nie]                                                                                                                                                                      | Vybavené dodatočným tepelným zdrojom: [áno/nie]                                                                                                                                                                                         |
| G  | Wielofunkcyjny ogrzewacz z pompą ciepła: [tak/nie]                                                                                                                                                                    | Aquecedor combinado com bomba de calor: [sim/não]                                                                                                                                                                                        | Kombinovaný tepelný zdroj – tepelné čerpadlo: [áno/nie]                                                                                                                                                              | Kombinovaný tepelný zdroj – tepelné čerpadlo: [áno/nie]                                                                                                                                                                                 |
| H  | Parametry podaje się dla zastosowań w średnich temperaturach, z wyjątkiem niskotemperaturowych pomp ciepła. W przypadku niskotemperaturowych pomp ciepła parametry podaje się dla zastosowań w niskich temperaturach. | Devem ser indicados parâmetros para aplicação a média temperatura, exceto para as bombas de calor de baixa temperatura. Para as bombas de calor de baixa temperatura, devem ser indicados parâmetros para aplicação a baixa temperatura. | Parametre sa deklarujú pre použitie pri stredných teplotách, okrem tepelných čerpadiel pre nízke teploty. V prípade tepelných čerpadiel pre nízke teploty sa parametre deklarujú pre použitie pri nízkych teplotách. | Parametre majú byť deklarované pre použitie pri stredných teplotách, okrem tepelných čerpadiel pre nízke teploty. V prípade tepelných čerpadiel pre nízke teploty sa parametre majú byť deklarované pre použitie pri nízkych teplotách. |
| I  | Parametry są deklarowane dla warunków klimatu umiarkowanego.                                                                                                                                                          | Os parâmetros declarados devem corresponder a condições climáticas médias.                                                                                                                                                               | Parametre sa deklarujú pre priemerné klimatické podmienky.                                                                                                                                                           | Parametre majú byť deklarované pre priemerné klimatické podmienky.                                                                                                                                                                      |
| J  | Parametr                                                                                                                                                                                                              | Elemento                                                                                                                                                                                                                                 | Položka                                                                                                                                                                                                              | Položka                                                                                                                                                                                                                                 |
| K  | Symbol                                                                                                                                                                                                                | Símbolo                                                                                                                                                                                                                                  | Symbol                                                                                                                                                                                                               | Symbol                                                                                                                                                                                                                                  |
| L  | Wartość                                                                                                                                                                                                               | Valor                                                                                                                                                                                                                                    | Hodnota                                                                                                                                                                                                              | Hodnota                                                                                                                                                                                                                                 |
| M  | Jednostka                                                                                                                                                                                                             | Unidade                                                                                                                                                                                                                                  | Jednotka                                                                                                                                                                                                             | Jednotka                                                                                                                                                                                                                                |
| N  | Znamionowa moc cieplna <sup>(*)</sup>                                                                                                                                                                                 | Potência calorífica nominal <sup>(*)</sup>                                                                                                                                                                                               | Menovitý tepelný výkon <sup>(*)</sup>                                                                                                                                                                                | Menovitý tepelný výkon <sup>(*)</sup>                                                                                                                                                                                                   |
| O  | Prated                                                                                                                                                                                                                | Prated                                                                                                                                                                                                                                   | Prated                                                                                                                                                                                                               | Prated                                                                                                                                                                                                                                  |
| P  | Sezonowa efektywność energetyczna ogrzewania pomieszczeń                                                                                                                                                              | Eficiência energética do aquecimento ambiente sazonal                                                                                                                                                                                    | Sezónna energetická účinnosť vykurovania                                                                                                                                                                             | Sezónna energetická účinnosť vykurovania                                                                                                                                                                                                |
| Q  | Deklarowana wydajność grzewcza przy częściowym obciążeniu w temperaturze pomieszczenia 20 °C i temperaturze zewnętrznej Tj                                                                                            | Capacidade declarada para aquecimento a carga parcial a uma temperatura interior de 20 °C e a uma temperatura exterior Tj                                                                                                                | Deklarovaný tepelný výkon pre čiastočné zafáženie pri vnútornej teplote 20 °C a vonkajšej teplote Tj                                                                                                                 | Deklarovaný tepelný výkon pre čiastočné zafáženie pri vnútornej teplote 20 °C a vonkajšej teplote Tj                                                                                                                                    |
| R  | Deklarowany wskaźnik efektywności lub wskaźnik zużycia energii pierwotnej przy częściowym obciążeniu w temperaturze pomieszczenia 20 °C i temperaturze zewnętrznej Tj                                                 | Coefficiente de desempenho declarado ou rácio de energia primária a carga parcial a uma temperatura interior de 20 °C e a uma temperatura exterior Tj                                                                                    | Deklarovaný vykurovací súčiniteľ alebo súčiniteľ využitia primárnej energie pre čiastočné zafáženie pri vnútornej teplote 20 °C a vonkajšej teplote Tj                                                               | Deklarovaný vykurovací súčiniteľ alebo súčiniteľ využitia primárnej energie pre čiastočné zafáženie pri vnútornej teplote 20 °C a vonkajšej teplote Tj                                                                                  |
| S  | COPd lub PERd                                                                                                                                                                                                         | COPd ou PERd                                                                                                                                                                                                                             | COPd alebo PERd                                                                                                                                                                                                      | COPd alebo PERd                                                                                                                                                                                                                         |
| T  | Tj = temperatura dwuwartościowa                                                                                                                                                                                       | Tj = temperatura bivalente                                                                                                                                                                                                               | Tj = bivalentná teplota                                                                                                                                                                                              | Tj = teplota bivalencie                                                                                                                                                                                                                 |
| U  | Tj = graniczna temperatura robocza                                                                                                                                                                                    | Tj = temperatura-limite de funcionamento                                                                                                                                                                                                 | Tj = prevádzková hraničná teplota                                                                                                                                                                                    | Tj = hraničná prevádzková teplota                                                                                                                                                                                                       |
| V  | Pompy ciepła powietrze/woda: Tj = – 15 °C (jeżeli TOL < – 20 °C)                                                                                                                                                      | Para bombas de calor ar-água: Tj = – 15 °C (se TOL < – 20 °C)                                                                                                                                                                            | Pre tepelné čerpadlá vzduch – voda: Tj = – 15 °C (ak TOL < – 20 °C)                                                                                                                                                  | Pre tepelné čerpadlá vzduch – voda: Tj = – 15 °C (ak TOL < – 20 °C)                                                                                                                                                                     |
| W  | Temperatura dwuwartościowa                                                                                                                                                                                            | Temperatura bivalente                                                                                                                                                                                                                    | Bivalentná teplota                                                                                                                                                                                                   | Teplota bivalencie                                                                                                                                                                                                                      |
| X  | Pompy ciepła powietrze/woda: Graniczna temperatura robocza                                                                                                                                                            | Para bombas de calor ar-água: Temperatura-limite de funcionamento                                                                                                                                                                        | Pre tepelné čerpadlá vzduch – voda: Hraničná prevádzková teplota                                                                                                                                                     | Pre tepelné čerpadlá vzduch – voda: Hraničná prevádzková teplota                                                                                                                                                                        |
| Y  | Wydajność w okresie cyklu w interwale dla ogrzewania                                                                                                                                                                  | Capacidade de aquecimento em intervalo cíclico                                                                                                                                                                                           | Výkon v rámci cyklického intervalu pre vykurovanie                                                                                                                                                                   | Výkon v rámci cyklického intervalu pre vykurovanie                                                                                                                                                                                      |
| Z  | Wydajność w okresie cyklu w interwale                                                                                                                                                                                 | Eficiência em intervalo cíclico                                                                                                                                                                                                          | Súčiniteľ v rámci cyklického intervalu                                                                                                                                                                               | Súčiniteľ v rámci cyklického intervalu                                                                                                                                                                                                  |
| AA | COPcyc lub PERcyc                                                                                                                                                                                                     | COPcyc ou PERcyc                                                                                                                                                                                                                         | COPcyc alebo PERcyc                                                                                                                                                                                                  | COPcyc alebo PERcyc                                                                                                                                                                                                                     |
| AB | Współczynnik strat <sup>(**)</sup>                                                                                                                                                                                    | Coefficiente de degradação <sup>(**)</sup>                                                                                                                                                                                               | Súčiniteľ straty účinnosti <sup>(**)</sup>                                                                                                                                                                           | Súčiniteľ straty účinnosti <sup>(**)</sup>                                                                                                                                                                                              |
| AC | Graniczna temperatura robocza dla podgrzewania wody                                                                                                                                                                   | Temperatura-limite de funcionamento para água de aquecimento                                                                                                                                                                             | Hraničná prevádzková teplota pre ohrev úžitkovej vody                                                                                                                                                                | Hraničná prevádzková teplota pre ohrev vody                                                                                                                                                                                             |
| AD | Pobór mocy w trybach innych niż aktywny                                                                                                                                                                               | Consumo energético em modos distintos do modo ativo                                                                                                                                                                                      | Elektrický príkon v iných režimoch ako aktívny režim                                                                                                                                                                 | Spotreba el. energie v iných režimoch ako aktívnych                                                                                                                                                                                     |
| AE | Ogrzewacz dodatkowy                                                                                                                                                                                                   | Aquecedor suplementar                                                                                                                                                                                                                    | Dodatočný tepelný zdroj                                                                                                                                                                                              | Dodatočný tepelný zdroj                                                                                                                                                                                                                 |
| AF | Tryb wyłączenia                                                                                                                                                                                                       | Modo desligado                                                                                                                                                                                                                           | Režim vypnutia                                                                                                                                                                                                       | Režim vypnutia                                                                                                                                                                                                                          |
| AG | Tryb wyłączzonego termostatu                                                                                                                                                                                          | Modo termostato desligado                                                                                                                                                                                                                | Režim vypnutia termostatu                                                                                                                                                                                            | Režim vypnutia termostatu                                                                                                                                                                                                               |

| No | Polish(PL)                                                                                                                                                                                                                                                                                                                                    | Portuguese(PT)                                                                                                                                                                                                                                                                                                                   | Romanian(RO)                                                                                                                                                                                                                                                                                                                    | Slovak(SK)                                                                                                                                                                                                                                                                                                  |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AH | Tryb czuwania                                                                                                                                                                                                                                                                                                                                 | Modo de vigília                                                                                                                                                                                                                                                                                                                  | Pohotovostný režim                                                                                                                                                                                                                                                                                                              | Pohotovostný režim                                                                                                                                                                                                                                                                                          |
| AI | Tryb włączonej grzałki karteru                                                                                                                                                                                                                                                                                                                | Modo de resistência do cárter                                                                                                                                                                                                                                                                                                    | Režim ohrevu kľukovej skrine                                                                                                                                                                                                                                                                                                    | Režim nahrievania oleja                                                                                                                                                                                                                                                                                     |
| AJ | Rodzaj pobieranej energii                                                                                                                                                                                                                                                                                                                     | Tipo de alimentação de energia                                                                                                                                                                                                                                                                                                   | Typ elektrického príkonu                                                                                                                                                                                                                                                                                                        | Typ elektrického príkonu                                                                                                                                                                                                                                                                                    |
| AK | Inne parametry                                                                                                                                                                                                                                                                                                                                | Outros elementos                                                                                                                                                                                                                                                                                                                 | Altí parametri                                                                                                                                                                                                                                                                                                                  | Iné položky                                                                                                                                                                                                                                                                                                 |
| AL | Regulacja wydajności                                                                                                                                                                                                                                                                                                                          | Controlo de capacidade                                                                                                                                                                                                                                                                                                           | Regulácia výkonu                                                                                                                                                                                                                                                                                                                | Regulácia výkonu                                                                                                                                                                                                                                                                                            |
| AM | wydajność stała/zmienna                                                                                                                                                                                                                                                                                                                       | fixo/variável                                                                                                                                                                                                                                                                                                                    | Pevná/premenlivá                                                                                                                                                                                                                                                                                                                | Pevná/premenlivá                                                                                                                                                                                                                                                                                            |
| AN | Pompy ciepła powietrze/woda: znamionowy przepływ powietrza na zewnątrz                                                                                                                                                                                                                                                                        | Para bombas de calor ar-água: Caudal de ar nominal, exterior                                                                                                                                                                                                                                                                     | Pre tepelné čerpadlá vzduch – voda: Menovitý prietok vzduchu, von                                                                                                                                                                                                                                                               | Pre tepelné čerpadlá vzduch – voda: Menovitý prietok vzduchu, exteriér                                                                                                                                                                                                                                      |
| AO | m <sup>3</sup> /h                                                                                                                                                                                                                                                                                                                             | m <sup>3</sup> /h                                                                                                                                                                                                                                                                                                                | m <sup>3</sup> /h                                                                                                                                                                                                                                                                                                               | m <sup>3</sup> /h                                                                                                                                                                                                                                                                                           |
| AP | Poziom mocy akustycznej w pomieszczeniu/na zewnątrz                                                                                                                                                                                                                                                                                           | Nível de potência sonora interior/exterior                                                                                                                                                                                                                                                                                       | Vnútnorná/vonkajšia hladina akustického výkonu                                                                                                                                                                                                                                                                                  | Vnútnorná/vonkajšia hladina akustického výkonu                                                                                                                                                                                                                                                              |
| AQ | Emisje tlenków azotu                                                                                                                                                                                                                                                                                                                          | Emissões de óxidos de azoto                                                                                                                                                                                                                                                                                                      | Emisie oxidov dusíka                                                                                                                                                                                                                                                                                                            | Emisie oxidov dusíka                                                                                                                                                                                                                                                                                        |
| AR | Pompy ciepła woda/solanka-woda: znamionowe natężenie przepływu solanki lub wody, zewnętrzny wymiennik ciepła                                                                                                                                                                                                                                  | Para bombas de calor água/salmoura-água: Caudal nominal de salmoura ou água, permutador térmico exterior                                                                                                                                                                                                                         | Pre tepelné čerpadlá voda/slaná voda – voda: Menovitý prietok slanej vody alebo vody, vonkajší výmenník tepla                                                                                                                                                                                                                   | Pre tepelné čerpadlá voda/studničná voda – voda: Menovitý prietok studničnej vody alebo vody, vonkajší výmenník tepla                                                                                                                                                                                       |
| AS | Wielofunkcyjne ogrzewacze z pompą ciepła:                                                                                                                                                                                                                                                                                                     | Para aquecedores combinados com bomba de calor:                                                                                                                                                                                                                                                                                  | Pre kombinovaný tepelný zdroj – tepelné čerpadlo:                                                                                                                                                                                                                                                                               | Pre kombinovaný tepelný zdroj tepelného čerpadla:                                                                                                                                                                                                                                                           |
| AT | Deklarowany profil obciążeń                                                                                                                                                                                                                                                                                                                   | Perfil de carga declarado                                                                                                                                                                                                                                                                                                        | Deklarovaný profil zaťaženia                                                                                                                                                                                                                                                                                                    | Deklarovaný profil zaťaženia                                                                                                                                                                                                                                                                                |
| AU | Efektywność energetyczna podgrzewania wody                                                                                                                                                                                                                                                                                                    | Eficiência energética do aquecimento de água                                                                                                                                                                                                                                                                                     | Energetická účinnosť prípravy teplej vody                                                                                                                                                                                                                                                                                       | Energetická účinnosť prípravy teplej vody                                                                                                                                                                                                                                                                   |
| AV | Dziennie zużycie energii elektrycznej                                                                                                                                                                                                                                                                                                         | Consumo diário de electricidade                                                                                                                                                                                                                                                                                                  | Denná spotreba elektrickej energie                                                                                                                                                                                                                                                                                              | Denná spotreba elektrickej energie                                                                                                                                                                                                                                                                          |
| AW | Dziennie zużycie paliwa                                                                                                                                                                                                                                                                                                                       | Consumo diário de combustível                                                                                                                                                                                                                                                                                                    | Denná spotreba paliva                                                                                                                                                                                                                                                                                                           | Denná spotreba paliva                                                                                                                                                                                                                                                                                       |
| AX | Dane kontaktowe                                                                                                                                                                                                                                                                                                                               | Elementos de contacto                                                                                                                                                                                                                                                                                                            | Kontaktné údaje                                                                                                                                                                                                                                                                                                                 | Kontaktné údaje                                                                                                                                                                                                                                                                                             |
| AY | <sup>(*)</sup> W przypadku ogrzewaczy pomieszczeń z pompą ciepła i wielofunkcyjnych ogrzewaczy z pompą ciepła znamionowa moc cieplna Prated jest równa obciążeniu obliczeniowemu dla trybu ogrzewania Pdesignh, a znamionowa moc cieplna ogrzewacza dodatkowego Psup jest równa dodatkowej wydajności grzewczej dla trybu ogrzewania sup(Tj). | <sup>(*)</sup> Para aquecedores de ambiente com bomba de calor e aquecedores combinados com bomba de calor, a potência calorífica nominal Prated é igual à carga de projeto para aquecimento Pdesignh e a potência calorífica nominal de um aquecedor suplementar Psupp é igual à capacidade de aquecimento suplementar sup(Tj). | <sup>(*)</sup> Pre tepelné zdroje na vykurovanie priestoru – tepelné čerpadlá a kombinované tepelné zdroje – tepelné čerpadlá sa menovitý tepelný výkon Prated rovná projektovanému vykurovaciemu zaťaženiu Pdesignh, a menovitý tepelný výkon dodatočného tepelného zdroja Psup sa rovná dodatočnému tepelnému výkonu sup(Tj). | <sup>(*)</sup> Pre tepelné zdroje na vykurovanie priestoru – tepelné čerpadlá a kombinované tepelné zdroje sa menovitý tepelný výkon Prated rovná projektovanému vykurovaciemu zaťaženiu Pdesignh a menovitý tepelný výkon dodatočného tepelného zdroja Psup sa rovná dodatočnému tepelnému výkonu sup(Tj). |
| AZ | <sup>(**)</sup> Jeżeli współczynnik Cdh nie został wyznaczony przez pomiar, współczynnik strat przyjmuje wartość domyślną Cdh = 0,9.                                                                                                                                                                                                          | <sup>(**)</sup> Se não se determinar Cdh por medição, o coeficiente de degradação predefinido é Cdh = 0,9.                                                                                                                                                                                                                       | <sup>(**)</sup> Ak Cdh nie je určené meraním, implicitný súčiniteľ straty účinnosti je Cdh = 0,9.                                                                                                                                                                                                                               | <sup>(**)</sup> Ak Cdh nie je určené meraním, potom predvolený súčiniteľ straty účinnosti je Cdh = 0,9.                                                                                                                                                                                                     |
| BA | <sup>(1)</sup> W trakcie montażu, instalacji i obsługi tego produktu należy zachować zasady bezpieczeństwa opisane w instrukcji instalacji/obsługi.                                                                                                                                                                                           | <sup>(1)</sup> As precauções descritas no manual de instalação/instruções dever ser adotadas durante a montagem, instalação ou manutenção do produto.                                                                                                                                                                            | <sup>(1)</sup> Trebuie să fiți precauți conform manualului de utilizare/instalare în timpul asamblării, instalării și întreținerii acestui produs.                                                                                                                                                                              | <sup>(1)</sup> Výstrahy ako sú popísané v inštaláčnom/ užívateľskom manuáli musia byť uvážené pri montáži, inštalácii a starostlivosti o produkt.                                                                                                                                                           |
| BB | <sup>(2)</sup> Jeśli jesteś profesjonalistą szukającym informacji dotyczących nieniszczących metod demontażu i rozbiórki, uprzejmie prosimy o wysłanie wiadomości email na adres: erims.sec@samsung.com                                                                                                                                       | <sup>(2)</sup> Se é um profissional e pretende obter informações sobre desmontagem e desmantelamento não destrutivos, envie um e-mail para: erims.sec@samsung.com                                                                                                                                                                | <sup>(2)</sup> Odborní pracovníci môžu získať informácie týkajúce sa nedeštruktívnej demontáže na nasledujúcej e-mailovej adrese: erims.sec@samsung.com.                                                                                                                                                                        | <sup>(2)</sup> Odborní pracovníci môžu získať informácie týkajúce sa správnej demontáže na nasledujúcej e-mailovej adrese: erims.sec@samsung.com.                                                                                                                                                           |



# COMMISSION REGULATION (EU) No 813/2013<sup>1)</sup>

| No | Slovenian(SL)                                                                                                                                                                                        | Finnish(FI)                                                                                                                                                                                      | Swedish(SV)                                                                                                                                                                       | Srpski(SR)                                                                                                                                                                                             | Türkçe(TR)                                                                                                                                                                                              |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| I  | UREDBA KOMISIJUE (EU) št. 813/2013                                                                                                                                                                   | KOMISSIION ASETUS (EU) No 813/2013,                                                                                                                                                              | KOMMISSIONENS FÖRORDNING (EU) nr 813/2013                                                                                                                                         | UREDBA KOMISIJUE (EU) Br. 813/2013                                                                                                                                                                     | KOMİSYON YÖNETMELİĞİ (AB) No 813/2013<br>Mahal ısıtıcıları ve Kombiye ısıtıcıları ile ilgili Çevreye Duyarlı Tasarım Gerekliliklerine Dair Tebliğ (SGM: 2018/3)                                         |
| II | Okoljsko primerno zasnovno zahtevo za grelnik prostorov                                                                                                                                              | Ekosuunnitteluvaatimukset varten tilälämmittimellä                                                                                                                                               | Ekodesignkraven för rumsuppvärmning                                                                                                                                               | ZAHTEV I EKOLOŠKOG DIZAJNA ZA GREJAČ PROSTORIJA                                                                                                                                                        | ALAN ISITICI İÇİN EKO-TASARIM GEREKSİNİMLERİ                                                                                                                                                            |
| A  | Model(-i); [informacije za identifikaciju modela(-lov), na katere se informacije nanašajo]                                                                                                           | Mallit(-t); [tiedot sen mallin (niiden mallien) yksilöimiseksi, joita tiedot koskevat]                                                                                                           | Modell(er); [Information som identifierar den modell (de modeller) som informationen gäller]                                                                                      | Model(-i); [informacije za identifikaciju modela na koje se odnose informacije]                                                                                                                        | Modeller; [bilgilerin geçerli olduğu modelleri tanımlama bilgileri]                                                                                                                                     |
| B  | Toplotna črpalka zrak-voda: [da/ne]                                                                                                                                                                  | Ilma-vesi-lämpöpumppu: [kyllä/ei]                                                                                                                                                                | Luft-till-vatten-värmepump: [ja/nej]                                                                                                                                              | Toplotna pumpa vazduh-voda: [da/ne]                                                                                                                                                                    | Hava - su ısı pompası: [evet/hayır]                                                                                                                                                                     |
| C  | Toplotna črpalka voda-voda: [da/ne]                                                                                                                                                                  | Vesi-vesi-lämpöpumppu: [kyllä/ei]                                                                                                                                                                | Vatten-till-vatten-värmepump: [ja/nej]                                                                                                                                            | Toplotna pumpa voda-voda: [da/ne]                                                                                                                                                                      | Su - su ısı pompası: [evet/hayır]                                                                                                                                                                       |
| D  | Toplotna črpalka slanica-voda: [da/ne]                                                                                                                                                               | Suolavesi-vesi-lämpöpumppu: [kyllä/ei]                                                                                                                                                           | Saltlösning-till-vatten-värmepump: [ja/nej]                                                                                                                                       | Toplotna pumpa slana voda-voda: [da/ne]                                                                                                                                                                | Tuzlu su - su ısı pompası: [evet/hayır]                                                                                                                                                                 |
| E  | Nizkotemperaturna toplotna črpalka: [da/ne]                                                                                                                                                          | Matalan lämpötilan lämpöpumppu: [kyllä/ei]                                                                                                                                                       | Lågttemperaturvärmepump: [ja/nej]                                                                                                                                                 | Toplotna pumpa niske temperature: [da/ne]                                                                                                                                                              | Düşük sıcaklık ısı pompası: [evet/hayır]                                                                                                                                                                |
| F  | Opremljena z dodatnim grelnikom: [da/ne]                                                                                                                                                             | Varustettu lisälämmittimellä: [kyllä/ei]                                                                                                                                                         | Utrustad med extra värmegenerator: [ja/nej]                                                                                                                                       | Opremljeno dodatnim grejačem: [da/ne]                                                                                                                                                                  | Yedek ısıtıcıya sahiptir: [evet/hayır]                                                                                                                                                                  |
| G  | Kombinirani grelnik s toplotno črpalko: [da/ne]                                                                                                                                                      | Lämpöpumppuyhdistelmälämmittin: [kyllä/ei]                                                                                                                                                       | Pannor med inbyggd tappvarmvattenberedning och med värmepump: [ja/nej]                                                                                                            | Kombinovani grejač toplotne pumpe: [da/ne]                                                                                                                                                             | Isı pompası kombinasyon ısıtıcı: [evet/hayır]                                                                                                                                                           |
| H  | Parametri se navedejo za uporabo pri srednji temperaturi, razen za nizkotemperaturne toplotne črpalke. Parametri za nizkotemperaturne toplotne črpalke se navedejo za uporabo pri nizki temperaturi. | Parametri ilmoitetaan keskilämpötilan sovelluksesta, lukuun ottamatta matalan lämpötilan lämpöpumppuja. Matalan lämpötilan lämpöpumpusta parametri ilmoitetaan matalan lämpötilan sovelluksesta. | Parametrarna ska anges för mediumtemperaturtillämpning, utom för lågttemperaturvärmepumpar. För lågttemperaturvärmepumpar ska parametrarna anges för lågttemperaturapplikationer. | Parametri su deklarirani za primenu na srednjoj temperaturi, osim za toplotne pumpe niske temperature. Za toplotne pumpe niske temperature, parametri su deklarirani za primenu na niskoj temperaturi. | Parametreler, düşük sıcaklık ısıtma pompaları dışında orta sıcaklıkta kullanım için belirtilmemiştir. Düşük sıcaklıkta ısı pompaları için parametreler düşük sıcaklıkta kullanım için belirtilmemiştir. |
| I  | Parametri se navedejo za povprečne podnebne razmere.                                                                                                                                                 | Parametri ilmoitetaan keskimääräisissä ilmasto-olosuhteissa.                                                                                                                                     | Parametrarna ska anges för genomsnittliga klimatförhållanden.                                                                                                                     | Parametri su deklarirani za prosečne klimatske uslove.                                                                                                                                                 | Parametreler ortalama ısı koşulları için belirtilmemiştir.                                                                                                                                              |
| J  | Postavka                                                                                                                                                                                             | Kohta                                                                                                                                                                                            | Post                                                                                                                                                                              | Stavka                                                                                                                                                                                                 | Parça                                                                                                                                                                                                   |
| K  | Oznaka                                                                                                                                                                                               | Symboli                                                                                                                                                                                          | Beteckning                                                                                                                                                                        | Simbol                                                                                                                                                                                                 | Sembol                                                                                                                                                                                                  |
| L  | Vrednost                                                                                                                                                                                             | Arvo                                                                                                                                                                                             | Värde                                                                                                                                                                             | Vrednost                                                                                                                                                                                               | Değer                                                                                                                                                                                                   |
| M  | Enota                                                                                                                                                                                                | Yksikkö                                                                                                                                                                                          | Enhet                                                                                                                                                                             | Jedinica                                                                                                                                                                                               | Ünite                                                                                                                                                                                                   |
| N  | Nazivna izhodna toplota <sup>(*)</sup>                                                                                                                                                               | Nimellislämpöteho <sup>(*)</sup>                                                                                                                                                                 | Nominal avgivnen värmeeffekt <sup>(*)</sup>                                                                                                                                       | Nazivni izlaz toplote <sup>(*)</sup>                                                                                                                                                                   | Nominal ısı çıkışı <sup>(*)</sup>                                                                                                                                                                       |
| O  | Prated                                                                                                                                                                                               | Prated                                                                                                                                                                                           | Pmärke                                                                                                                                                                            | Prated                                                                                                                                                                                                 | Nominal Güç                                                                                                                                                                                             |
| P  | Sezonska energijska učinkovitost ogrevanja prostorov                                                                                                                                                 | Tilälämmityksen kausittainen energiatehokkuus                                                                                                                                                    | Säsongmedelvärkningsgrad för rumsuppvärmning                                                                                                                                      | Sezonska energetska efikasnost zagrevanja prostorija                                                                                                                                                   | Mevsimsel alan ısıtıcı enerji verimliliği                                                                                                                                                               |
| Q  | Prijavljena zmogljivost ogrevanja za delno obremenitev pri temperaturi v notranjih prostorih 20 °C in temperaturi na prostem Tj                                                                      | Ilmoitettu lämmitysteho osakuormalla sisälämpötilassa 20 °C ja ulkolämpötilassa Tj                                                                                                               | Deklarerad kapacitet för uppvärmning för delbelastning vid innetemperatur 20 °C och utetemperatur Tj                                                                              | Deklarisani kapacitet grejanja za delimično opterećenje pri unutrašnjoj temperaturi od 20 °C i spoljašnjoj temperaturi Tj                                                                              | İç sıcaklık 20 °C ve dış sıcaklık Tj olmak üzere parça yükü ısıtma üzere belirtilen kapasite                                                                                                            |
| R  | Prijavljen koeficient učinkovitosti ali razmerje primarne energije za delno obremenitev pri temperaturi v notranjih prostorih 20 °C in temperaturi na prostem Tj                                     | Ilmoitettu lämpökertoimen tai primäärienergiakerroin osakuormalla sisälämpötilassa 20 °C ja ulkolämpötilassa Tj                                                                                  | Deklarerad värmefaktor eller primärenergifaktor för delbelastning vid en inomhustemperatur på 20 °C och en utomhustemperatur Tj                                                   | Deklarisani koeficijent performansi ili primarni energetska odnos za delimično opterećenje pri unutrašnjoj temperaturi od 20 °C i spoljašnjoj temperaturi Tj                                           | İç sıcaklık 20 °C ve dış sıcaklık Tj olmak üzere parça yükü için belirlenen performans katsayısı veya birincil enerji oranı                                                                             |
| S  | COPd ali PERd                                                                                                                                                                                        | COPd tai PERd                                                                                                                                                                                    | COPd eller PERd                                                                                                                                                                   | COPd ili PERd                                                                                                                                                                                          | COPd veya PERd                                                                                                                                                                                          |
| T  | Tj = bivalentna temperatura                                                                                                                                                                          | Tj = kaksivaihtoinen lämpötila                                                                                                                                                                   | Tj = bivalenttemperatur                                                                                                                                                           | Tj = bivalentna temperatura                                                                                                                                                                            | Tj = iki değerli sıcaklık                                                                                                                                                                               |
| U  | Tj = mejna delovna temperatura                                                                                                                                                                       | Tj = toimintarajalämpötila                                                                                                                                                                       | Tj = gränstemperatur för drift                                                                                                                                                    | Tj = granična radna temperatura                                                                                                                                                                        | Tj = işlem sınırı sıcaklığı                                                                                                                                                                             |
| V  | Za toplotne črpalke zrak-voda: Tj = -15 °C (če je TOL < -20 °C)                                                                                                                                      | Ilma-vesi-lämpöpumppu: Tj = -15 °C (jos TOL < -20 °C)                                                                                                                                            | För luft-till-vatten-värmepumpar: Tj = -15 °C (om TOL < -20 °C)                                                                                                                   | Za toplotne pumpe vazduh-voda: Tj = -15 °C (ako je TOL < -20 °C)                                                                                                                                       | Hava - su ısı pompaları için: Tj = -15 °C (TOL < -20 °C ise)                                                                                                                                            |
| W  | Bivalentna temperatura                                                                                                                                                                               | Kaksivaihtoinen lämpötila                                                                                                                                                                        | Bivalenttemperatur                                                                                                                                                                | Bivalentna temperatura                                                                                                                                                                                 | İki değerli sıcaklık                                                                                                                                                                                    |
| X  | Za toplotne črpalke zrak-voda: mejna delovna temperatura                                                                                                                                             | Ilma-vesi-lämpöpumppu: Toimintarajalämpötila                                                                                                                                                     | För luft-till-vatten-värmepumpar: Gränstemperatur för drift                                                                                                                       | Za toplotne pumpe vazduh-voda: Granična radna temperatura                                                                                                                                              | Hava - su ısı pompaları için: İşlem sınırı sıcaklığı                                                                                                                                                    |
| Y  | Zmogljivost intervala cikla za ogrevanje                                                                                                                                                             | Lämmityksen vuorottelujaksoteho                                                                                                                                                                  | Cykelintervallets uppvärmningskapacitet                                                                                                                                           | Kapacitet intervala ciklusa za grejanje                                                                                                                                                                | Isıtma için döngüsel aralık kapasitesi                                                                                                                                                                  |
| Z  | Učinkovitost intervala cikla                                                                                                                                                                         | Vuorottelujakson energiatehokkuus                                                                                                                                                                | Cykelintervallens verkningsgrad                                                                                                                                                   | Efikasnost intervala ciklusa                                                                                                                                                                           | Döngüsel aralık kapasitesi                                                                                                                                                                              |
| AA | COPyc ali PERyc                                                                                                                                                                                      | COPyc tai PERyc                                                                                                                                                                                  | COPyc eller PERyc                                                                                                                                                                 | COPyc ili PERyc                                                                                                                                                                                        | COPyc veya PERyc                                                                                                                                                                                        |
| AB | Koeficijent degradacije <sup>(**)</sup>                                                                                                                                                              | Alenemiskerroin <sup>(**)</sup>                                                                                                                                                                  | Degraderingskoefficient <sup>(**)</sup>                                                                                                                                           | Koeficijent degradacije <sup>(**)</sup>                                                                                                                                                                | Bozulma katsayısı <sup>(**)</sup>                                                                                                                                                                       |
| AC | Mejna delovna temperatura za ogrevanje vode                                                                                                                                                          | Lämmitysveden toimintarajalämpötila                                                                                                                                                              | Uppvärmningsvattnets gränstemperatur för drift                                                                                                                                    | Granična radna temperatura vode za grejanje                                                                                                                                                            | Isıtma suyu operasyon sınırı sıcaklığı                                                                                                                                                                  |
| AD | Poraba energije v načinu, ki ne vključuje načina aktivnega delovanja                                                                                                                                 | Tehonkulutus muissa tiloissa kuin aktiivisessa toimintatilassa                                                                                                                                   | Effektförbrukning i andra lägen än aktivt läge                                                                                                                                    | Potrošnja struje u režimu koji nisu „aktivni režim“                                                                                                                                                    | Aktif mod dışındaki modlarda güç tüketimi                                                                                                                                                               |
| AE | Dodatni grelnik                                                                                                                                                                                      | Lisälämmittin                                                                                                                                                                                    | Extra värmegenerator                                                                                                                                                              | Dodatni grejač                                                                                                                                                                                         | Destekleyici ısıtma                                                                                                                                                                                     |
| AF | Stanje izključenosti                                                                                                                                                                                 | Pois päältä -tila                                                                                                                                                                                | Frånläge                                                                                                                                                                          | Isključen režim                                                                                                                                                                                        | Kapalı modu                                                                                                                                                                                             |
| AG | Stanje izključenosti termostata                                                                                                                                                                      | Termostaatti pois päältä -tila                                                                                                                                                                   | Termostaattifrånläge                                                                                                                                                              | Režim isključenog termostata                                                                                                                                                                           | Termostat kapalı modu                                                                                                                                                                                   |

| No | Slovenian(SL)                                                                                                                                                                                                                                                                               | Finnish(FI)                                                                                                                                                                                                                                             | Swedish(SV)                                                                                                                                                                                                                                                                                                                                                                 | Srpski(SR)                                                                                                                                                                                                                                                | Türkçe(TR)                                                                                                                                                                                                                                                                                            |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AH | Stanje pripravljenosti                                                                                                                                                                                                                                                                      | Valmiustila                                                                                                                                                                                                                                             | Standbyläge                                                                                                                                                                                                                                                                                                                                                                 | Režim pripravnosti                                                                                                                                                                                                                                        | Bekletme modu                                                                                                                                                                                                                                                                                         |
| AI | Način grelnika ohišja                                                                                                                                                                                                                                                                       | Kampikammion lämmitys-tila                                                                                                                                                                                                                              | Vevhusvärmärläge                                                                                                                                                                                                                                                                                                                                                            | Režim grejača u grejnom kućištu                                                                                                                                                                                                                           | Yağ karteri ısıtma modu                                                                                                                                                                                                                                                                               |
| AJ | Vrsta dovedene energije                                                                                                                                                                                                                                                                     | Ottoenergian tyyppi                                                                                                                                                                                                                                     | Typ av tillförd energi                                                                                                                                                                                                                                                                                                                                                      | Tip unosa energije                                                                                                                                                                                                                                        | Enerji girişi türü                                                                                                                                                                                                                                                                                    |
| AK | Druge postavke                                                                                                                                                                                                                                                                              | Muut kohdat                                                                                                                                                                                                                                             | Andra poster                                                                                                                                                                                                                                                                                                                                                                | Druge stavke                                                                                                                                                                                                                                              | Diğer öğeler                                                                                                                                                                                                                                                                                          |
| AL | Upravljanje zmogljivosti                                                                                                                                                                                                                                                                    | Tehonsäätö                                                                                                                                                                                                                                              | Kapacitetsreglering                                                                                                                                                                                                                                                                                                                                                         | Kontrola kapaciteta                                                                                                                                                                                                                                       | Kapasite kontrolü                                                                                                                                                                                                                                                                                     |
| AM | stalna/spremenljiva                                                                                                                                                                                                                                                                         | kiinteä/muutuva                                                                                                                                                                                                                                         | fast/variabel                                                                                                                                                                                                                                                                                                                                                               | fiksno/varijabilno                                                                                                                                                                                                                                        | sabit/değişken                                                                                                                                                                                                                                                                                        |
| AN | Za toplotne črpalke zrak-voda: nazivna stopnja pretoka zraka, zunanja                                                                                                                                                                                                                       | Ilma-vesi-lämpöpumput: nimellisilmavirta, ulkona                                                                                                                                                                                                        | För luft-till-vatten-värmepumpar: Nominellt luftflöde (ute)                                                                                                                                                                                                                                                                                                                 | Za toplotne pumpe vazduh-voda: Nazivna brzina protoka vazduha, napolju                                                                                                                                                                                    | Hava - su ısı pompaları için: Nominal hava akış oranı, dışarı                                                                                                                                                                                                                                         |
| AO | m <sup>3</sup> /h                                                                                                                                                                                                                                                                           | m <sup>3</sup> /h                                                                                                                                                                                                                                       | m <sup>3</sup> /h                                                                                                                                                                                                                                                                                                                                                           | m <sup>3</sup> /h                                                                                                                                                                                                                                         | m <sup>3</sup> /h                                                                                                                                                                                                                                                                                     |
| AP | Nivo zvokovne moči, v notranjih prostorih/na prostem                                                                                                                                                                                                                                        | Äänitehosa, sisällä/ulkona                                                                                                                                                                                                                              | Ljudeffektivä, inomhus/utomhus                                                                                                                                                                                                                                                                                                                                              | Nivo jačine zvuka, unutra/napolju                                                                                                                                                                                                                         | Ses güç seviyesi, içerisi/dışarı                                                                                                                                                                                                                                                                      |
| AQ | Emisije dušikovih oksidov                                                                                                                                                                                                                                                                   | Tyypen oksidien päästöt                                                                                                                                                                                                                                 | Utsläpp av kväveoxider                                                                                                                                                                                                                                                                                                                                                      | Emisije azot-oksida                                                                                                                                                                                                                                       | Azot oksit emisyonları                                                                                                                                                                                                                                                                                |
| AR | Za toplotne črpalke voda-slaničica-voda: nazivna stopnja pretoka slaničice ali vode, zunanji izmenjevalnik toplote                                                                                                                                                                          | Vesi-/suolavesi-vesi-lämpöpumput: suolaveden tai veden nimellisvirtaus, ulkolämmönsiirrin                                                                                                                                                               | För vatten-/saltlösning-till-vatten-värmepumpar: Nominellt saltlösning- eller vattenflöde, värmväxlare utomhus                                                                                                                                                                                                                                                              | Za toplotne pumpe tipa voda/slana voda-voda: Nazivna brzina protoka slane vode ili vode, spoljašnji izmenjivač toplote                                                                                                                                    | Su/tuzlu su-su ısı pompaları için: Nominal tuzlu su veya su akış oranı, dış ısı eşanjörü                                                                                                                                                                                                              |
| AS | Za kombinirani grelnik s toplotno črpalke:                                                                                                                                                                                                                                                  | Lämpöpumpuyhdistelmälämmittin:                                                                                                                                                                                                                          | För pannor med inbyggd tappvarmvattenberedning och med värmepump:                                                                                                                                                                                                                                                                                                           | Za kombinovani grejač toplotne pumpe:                                                                                                                                                                                                                     | Isı pompası kombinasyon ısıtıcı için:                                                                                                                                                                                                                                                                 |
| AT | Določeni profil rabe                                                                                                                                                                                                                                                                        | Ilmoitettu kuormitusprofiili                                                                                                                                                                                                                            | Deklarerad belastningsprofil                                                                                                                                                                                                                                                                                                                                                | Deklarisani profil opterećenja                                                                                                                                                                                                                            | Belirlenmiş yük profili                                                                                                                                                                                                                                                                               |
| AU | Energijska učinkovitost ogrevanja vode                                                                                                                                                                                                                                                      | Vedenlämmityksen energiatehokkuus                                                                                                                                                                                                                       | Energieffektivitet vid uppvärmning av vatten                                                                                                                                                                                                                                                                                                                                | Energetska efikasnost grejanja vode                                                                                                                                                                                                                       | Su ısıtma enerji verimliliği                                                                                                                                                                                                                                                                          |
| AV | Dnevna poraba električne energije                                                                                                                                                                                                                                                           | Vuorokautinen sähkönkulutus                                                                                                                                                                                                                             | Daglig elförbrukning                                                                                                                                                                                                                                                                                                                                                        | Dnevna potrošnja struje                                                                                                                                                                                                                                   | Günlük elektrik tüketimi                                                                                                                                                                                                                                                                              |
| AW | Dnevna poraba goriva                                                                                                                                                                                                                                                                        | Vuorokautinen polttoaineenkulutus                                                                                                                                                                                                                       | Daglig bränsleförbrukning                                                                                                                                                                                                                                                                                                                                                   | Dnevna potrošnja goriva                                                                                                                                                                                                                                   | Günlük yakıt tüketimi                                                                                                                                                                                                                                                                                 |
| AX | Kontaktni podatki                                                                                                                                                                                                                                                                           | Yhteystedot                                                                                                                                                                                                                                             | Kontakt                                                                                                                                                                                                                                                                                                                                                                     | Kontakt detalji                                                                                                                                                                                                                                           | Kontakt ayrıntıları                                                                                                                                                                                                                                                                                   |
| AY | <sup>(*)</sup> Za toplotne črpalke za ogrevanje prostorov in kombinirane grelnike s toplotno črpalke je nazivna izhodna toplota Prated enaka nazivni obremenitvi za ogrevanje Pdesignh, nazivna izhodna toplota dodatnega grelnika Psup pa je enaka dodatni zmogljivosti ogrevanja sup(Tj). | <sup>(*)</sup> Lämpöpumpputilalämmittimillä ja lämpöpumpuyhdistelmälämmittimillä nimellislämpöteho Prated on yhtä suuri kuin lämmityksen mitoituskuorma Pdesignh ja lisälämmittimen nimellislämpöteho Psup on yhtä suuri kuin lisälämmitysteho sup(Tj). | <sup>(*)</sup> För värmare med värmepump för rumsuppvärmning och pannor med inbyggd tappvarmvattenberedning och med värmepump är den nominella avgivna värmeeffekten Prated lika med den dimensionerade värmekapaciteten Pdesignh, och den nominella avgivna värmeeffekten hos en extra värmegenerator Psup är lika med den kompletterande uppvärmningskapaciteten sup(Tj). | <sup>(*)</sup> Za grejače prostora toplotne pumpe i kombinovane grejače pumpe, nazivni izlaz Prated je jednak opterećenju dizajna za grejanje Pdesignh, a nazivni izlaz toplotne dodatnog grejača Psup je jednak dodatnom kapacitetu za grejanje sup(Tj). | <sup>(*)</sup> Isı pompası alan ısıtıcılar ve ısı pompası kombinasyon ısıtıcıları için Prated Pdesignh (Nominal Güç ısıtma için Dizayn Yüklü) için tasarımı yüküne eşittir ve yedek ısıtıcı Psup (Ek ısıtıcının Kayıtlı ısı Gücü) nominal ısı çıkışı ısıtıcı desteği (Tj) yedek kapasitesine eşittir. |
| AZ | <sup>(**)</sup> Če Cdh ni določen z meritvami, privzeti koeficient degradacije znaša Cdh = 0,9.                                                                                                                                                                                             | <sup>(**)</sup> Jos Cdh:n arvoa ei määritetä mittamalla, alenemiskertoimen oletusarvo on Cdh = 0,9.                                                                                                                                                     | <sup>(**)</sup> Om Cdh inte bestäms genom mätningar ska degraderingskoefficienten vara Cdh = 0,9.                                                                                                                                                                                                                                                                           | <sup>(**)</sup> Ako Cdh nije određen merenjem, onda podrazumevani koefijcient degradacije iznosi Cdh = 0,9.                                                                                                                                               | <sup>(**)</sup> Cdh (bozulma katsayısı) ölçüm ile belirlenmemişse varsayılan bozulma katsayısı Cdh = 0,9'dur.                                                                                                                                                                                         |
| BA | <sup>(i)</sup> Pri sestavljanju, nameščanju tervzdrževanju izdelka upoštevajte previdnostne ukrepe, ki so navedeni v priročniku za uporabo in namestitve.                                                                                                                                   | <sup>(i)</sup> Asennus- tai käyttöoppaassa kuvattuja turvaohteita on noudatettava laitteen kokoamisen, asentamisen ja huollon aikana.                                                                                                                   | <sup>(i)</sup> Försiktighetsåtgärderna som beskrivs i installationsmanualen/bruksanvisningen måste följas vid montering, installation och underhåll av denna produkt.                                                                                                                                                                                                       | <sup>(i)</sup> Mere opreza opisane u priručniku za instalaciju/korisnika se moraju preduzeti prilikom sklopavanja, instaliranja i održavanja ovog proizvoda.                                                                                              | <sup>(i)</sup> Kurulum/kullanıcı kılavuzunda açıklanan önlemler bu ürünü monte ederken, kurarken veya ürüne bakım yaparken dikkate alınmalıdır.                                                                                                                                                       |
| BB | <sup>(2)</sup> Če ste strokovnjak in iščete informacije o neporočenem razstavljanju in demontaži, pošljite e-pošto sporočilo na: erims.sec@samsung.com                                                                                                                                      | <sup>(2)</sup> Jos olet ammattiasentaja ja haluat lisätietoja asennuksen turvallisuudesta purkamisesta, lähetettäkää sähköpostia osoitteeseen erims.sec@samsung.com                                                                                     | <sup>(2)</sup> Om du är en professionell användare som letar efter information om icke-destruktiv demontering och isärtagande av dammsugaren, kan du skicka ett e-postmeddelande till: erims.sec@samsung.com                                                                                                                                                                | <sup>(2)</sup> Ako ste profesionalac u potrazi za nedestruktivim rasplaganjem i demontiranjem, pošaljite nam e-poruku na e-adresu: erims.sec@samsung.com                                                                                                  | <sup>(2)</sup> İmha edici olmayan demontaj ve parçalarına ayırma işlemleri hakkında bilgi almak isteyen bir profesyonelseniz lütfen şu adrese bir e-posta gönderin: erims.sec@samsung.com                                                                                                             |

**COMMISSION REGULATION (EU) 327/2011<sup>i)</sup>**  
**ECODESIGN REQUIREMENTS FOR FANS<sup>ii)</sup>**

|   |                                |                   |                              |
|---|--------------------------------|-------------------|------------------------------|
| A | Overall efficiency             | $\eta$            | 47,6                         |
| B | Measurement category           | A-D               | B                            |
| C | Efficiency category            | -                 | Total                        |
| D | Efficiency grade               | N                 | 58                           |
| E | VSD Information                | -                 | 1)                           |
| F | Year of manufacture            | -                 | 2)                           |
| G | Manufacturer's name            | -                 | Samsung Electronics Co., Ltd |
| H | Commercial Registration number | -                 | 124-81-00998                 |
| I | Place of manufacturer          | -                 | 3)                           |
| J | Product's model number         | Fan               | DB94-08404                   |
|   |                                | Motor             | DB31-00675G                  |
| K | Rated motor power input(s)     | kW                | 0,226                        |
| L | Flow rate(s)                   | m <sup>3</sup> /s | 2,597                        |
| M | Pressure(s)                    | Pa                | 15,4                         |
| N | Rotations per minute           | rpm               | 600                          |
| O | Specific ratio                 | -                 | 1                            |
| P | General Information            | -                 | 4)                           |

|   |                                                                                                                                                                                         |                                                                                                                                                                                                                           |  |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Q | 1) The calculation of fan efficiency assumed use of a VSD. A variable speed drive is integrated within the fan.                                                                         |                                                                                                                                                                                                                           |  |
| R | 2) First manufactured in 2021 and in continuous production since.                                                                                                                       |                                                                                                                                                                                                                           |  |
| S | 3) (Maetan-dong) ,129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do , Korea 16677                                                                                                    |                                                                                                                                                                                                                           |  |
| T | 4) All relevant information for disassembly, recycling, disposal, installation, use and maintenance of the fan are provided in the installation and user manual of the Air Conditioner. |                                                                                                                                                                                                                           |  |
| U | Contact details :                                                                                                                                                                       | Samsung, PO Box 12987, Blackrock, Co. Dublin. IE or Euro QA Lab. Saxony Way, Yateley, Hampshire GU46 6GG, UK<br>Samsung Türkiye Merkez Ofis, Flatofis İstanbul İŞ Merkezi Otak 1 lar Caddesi No: 78 Kat 3 No: B3 İstanbul |  |
| V | If you are a professional looking for information on non-destructive disassembly, dismantling and battery removability, please send an email to: erims.sec@samsung.com.                 |                                                                                                                                                                                                                           |  |

| No. | English(EN)                                                                                                                                                                             | Spanish(ES)                                                                                                                                                                                                  | French(FR)                                                                                                                                                                                                                  | Italian(IT)                                                                                                                                                                                     |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| i   | Commission Regulation (EU) No 327/2011                                                                                                                                                  | REGLAMENTO (UE) No 327/2011 DE LA COMISIÓN                                                                                                                                                                   | RÈGLEMENT (UE) No 327/2011 DE LA COMMISSION                                                                                                                                                                                 | REGOLAMENTO (UE) N. 327/2011 DELLA COMMISSIONE                                                                                                                                                  |
| ii  | ECODESIGN REQUIREMENTS FOR FANS                                                                                                                                                         | requisitos de diseño ecológico para los ventiladores                                                                                                                                                         | d'exigences en matière d'écoconception applicables aux ventilateurs                                                                                                                                                         | per la progettazione ecocompatibile di ventilatori                                                                                                                                              |
| iii | Static                                                                                                                                                                                  | estático                                                                                                                                                                                                     | statique                                                                                                                                                                                                                    | statica                                                                                                                                                                                         |
| iv  | Fan Motor                                                                                                                                                                               | Motor del ventilador                                                                                                                                                                                         | Moteur du ventilateur                                                                                                                                                                                                       | Ventilatore Motore                                                                                                                                                                              |
| A   | Overall efficiency                                                                                                                                                                      | eficiencia global                                                                                                                                                                                            | rendement global                                                                                                                                                                                                            | efficienza complessiva                                                                                                                                                                          |
| B   | Measurement category                                                                                                                                                                    | Categoría de medición                                                                                                                                                                                        | Catégorie de mesure                                                                                                                                                                                                         | Categoria di misura                                                                                                                                                                             |
| C   | Efficiency category                                                                                                                                                                     | Categoría de eficiencia                                                                                                                                                                                      | Catégorie de rendement                                                                                                                                                                                                      | Categoria di efficienza                                                                                                                                                                         |
| D   | Efficiency grade                                                                                                                                                                        | Grado de eficiencia                                                                                                                                                                                          | Niveau de rendement                                                                                                                                                                                                         | Grado di efficienza                                                                                                                                                                             |
| E   | VSD Information                                                                                                                                                                         | Información VSD                                                                                                                                                                                              | Informations VSD                                                                                                                                                                                                            | Informazioni sul sistema VSD                                                                                                                                                                    |
| F   | Year of manufacture                                                                                                                                                                     | Año de fabricación                                                                                                                                                                                           | Année de fabrication                                                                                                                                                                                                        | Anno di costruzione                                                                                                                                                                             |
| G   | Manufacture's name                                                                                                                                                                      | Nombre del fabricante                                                                                                                                                                                        | Nom du fabricant                                                                                                                                                                                                            | Nome del Costruttore                                                                                                                                                                            |
| H   | Commercial Registration number                                                                                                                                                          | Número de registro comercial                                                                                                                                                                                 | Numéro d'enregistrement commercial                                                                                                                                                                                          | Matricola commerciale                                                                                                                                                                           |
| I   | Place of manufacturer                                                                                                                                                                   | Sede social del fabricante                                                                                                                                                                                   | Lieu de fabrication                                                                                                                                                                                                         | Luogo di costruzione                                                                                                                                                                            |
| J   | Product's model number                                                                                                                                                                  | Número de modelo del producto                                                                                                                                                                                | Numéro de modèle du produit                                                                                                                                                                                                 | Modello                                                                                                                                                                                         |
| K   | Rated motor power input(s)                                                                                                                                                              | Entrada de potencia nominal del motor                                                                                                                                                                        | Puissance(s) nominale(s) du moteur                                                                                                                                                                                          | Potenza(e) assorbita(e) nominale(i)                                                                                                                                                             |
| L   | Flow rate(s)                                                                                                                                                                            | Caudal                                                                                                                                                                                                       | Débit(s)                                                                                                                                                                                                                    | Portata(e) d'aria                                                                                                                                                                               |
| M   | Pressure(s)                                                                                                                                                                             | Presión                                                                                                                                                                                                      | Pression(s)                                                                                                                                                                                                                 | Prevalenza€                                                                                                                                                                                     |
| N   | Rotations per minute                                                                                                                                                                    | Rotaciones por minuto                                                                                                                                                                                        | Tours par minute                                                                                                                                                                                                            | Velocità di rotazione                                                                                                                                                                           |
| O   | Specific ratio                                                                                                                                                                          | Relación específica                                                                                                                                                                                          | Rapport spécifique                                                                                                                                                                                                          | Rapporto specifico                                                                                                                                                                              |
| P   | General Information                                                                                                                                                                     | Información general                                                                                                                                                                                          | Informations générales                                                                                                                                                                                                      | Informazioni generali                                                                                                                                                                           |
| Q   | 1) The calculation of fan efficiency assumed use of a VSD<br>A variable speed drive is integrated within the fan                                                                        | 1) El cálculo de la eficiencia del ventilador presupone el uso de un VSD<br>Un variador de velocidad (VSD) está integrado en el ventilador                                                                   | 1) Le calcul du rendement du ventilateur en présupposant une utilisation d'un VSD<br>Un variateur de vitesse est intégré dans le ventilateur                                                                                | 1) Il rendimento del ventilatore è calcolato tenendo conto dell'uso del sistema VSD. Il ventilatore è infatti dotato di azionamento a velocità variabile                                        |
| R   | 2) First manufactured in 2012 and in continuous production since                                                                                                                        | 2) Fabricado por primera vez en 2012 y se mantiene en producción desde este año                                                                                                                              | 2) Fabriqué tout d'abord en 2012 et en production continue depuis                                                                                                                                                           | 2) In produzione continuamente dal 2012                                                                                                                                                         |
| S   | 3) 129, Samsung-ro, Yeongtong gu, Suwon-si, Gyeonggi-do, Republic of Korea, 16677                                                                                                       | 3) 129, Samsung-ro, Yeongtong gu, Suwon-si, Gyeonggi-do, República de Corea, 16677                                                                                                                           | 3) 129, Samsung-ro, Yeongtong gu, Suwon-si, Gyeonggi-do, République de Corée, 16677                                                                                                                                         | 3) 129, Samsung-ro, Yeongtong gu, Suwon-si, Gyeonggi-do, Republic of Corea, 16677                                                                                                               |
| T   | 4) All relevant information for disassembly, recycling, disposal, installation, use and maintenance of the fan are provided in the installation and user manual of the Air Conditioner. | 4) Toda la información pertinente sobre desmontaje, reciclaje, eliminación, instalación, uso y mantenimiento del ventilador se proporciona en el manual de instalación y del usuario del aire acondicionado. | 4) Toutes les informations concernant le démontage, le recyclage, la mise au rebut, l'installation, l'utilisation et l'entretien du ventilateur sont fournies dans le manuel d'installation et d'utilisation du climatiseur | 4) I Manuali di Installazione ed Uso dei climatizzatore riportano tutte le informazioni necessarie per lo smontaggio, il riciclo, lo smaltimento l'installazione e la gestione del ventilatore. |
| U   | Contact details :                                                                                                                                                                       | Datos de contacto :                                                                                                                                                                                          | Coordonnées de contact :                                                                                                                                                                                                    | Dettagli di contatto :                                                                                                                                                                          |
| V   | If you are a professional looking for information on non-destructive disassembly, dismantling and battery removability, please send an email to: erims.sec@samsung.com.                 | Si es usted un profesional que busca información sobre el desmontaje, el desmantelamiento y la retirada no destructivos de la batería, envíe un correo electrónico a: erims.sec@samsung.com.                 | Si vous êtes un professionnel à la recherche d'informations sur le démontage non destructif, le désassemblage et le retrait de la batterie, veuillez envoyer un e-mail à l'adresse: erims.sec@samsung.com.                  | Se l'utente è un professionista in cerca di informazioni su modalità non distruttive di smontaggio, smantellamento e rimozione batterie, inviare un'e-mail a: erims.sec@samsung.com.            |

| No. | Portuguese(PT)                                                                                                                                                                                                                                                                                                                                                                                                                             | German(DE)                                                                                                                                                                                       | Greek(EL)                                                                                                                                                                                                             | Dutch(NL)                                                                                                                                                                                          |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| i   | REGULAMENTO (UE) N.º 327/2011 DA COMISSÃO                                                                                                                                                                                                                                                                                                                                                                                                  | VERORDNUNG (EU) Nr. 327/2011 DER KOMMISSION                                                                                                                                                      | KANONISΜΟΣ (ΕΕ) αριθ. 327/2011 ΤΗΣ ΕΠΙΤΡΟΠΗΣ                                                                                                                                                                          | VERORDENING (EU) Nr. 327/2011 VAN DE COMMISSIE                                                                                                                                                     |
| ii  | requisitos de concepção ecológica de ventoinhas                                                                                                                                                                                                                                                                                                                                                                                            | Anforderungen an die umweltgerechte Gestaltung von Ventilatoren                                                                                                                                  | απαιτήσεις οικολογικού σχεδιασμού ανεμιστήρων                                                                                                                                                                         | eisen inzake ecologisch ontwerp voor ventilatoren                                                                                                                                                  |
| iii | estática                                                                                                                                                                                                                                                                                                                                                                                                                                   | statisch                                                                                                                                                                                         | στατική                                                                                                                                                                                                               | statisch                                                                                                                                                                                           |
| iv  | Motor de ventoinha                                                                                                                                                                                                                                                                                                                                                                                                                         | Ventilatormotor                                                                                                                                                                                  | Μοτέρ ανεμιστήρα                                                                                                                                                                                                      | Ventilatormotor                                                                                                                                                                                    |
| A   | Eficiência global                                                                                                                                                                                                                                                                                                                                                                                                                          | Gesamteffizienz                                                                                                                                                                                  | η συνολική απόδοση                                                                                                                                                                                                    | totale efficiëntie                                                                                                                                                                                 |
| B   | Categoria de medição                                                                                                                                                                                                                                                                                                                                                                                                                       | Messkategorie                                                                                                                                                                                    | Μετρητική κατηγορία                                                                                                                                                                                                   | Meetcategorie                                                                                                                                                                                      |
| C   | Categoria de eficiência                                                                                                                                                                                                                                                                                                                                                                                                                    | Effizienz-kategorie                                                                                                                                                                              | Κατηγορία απόδοσης                                                                                                                                                                                                    | Efficiëntie-categorie                                                                                                                                                                              |
| D   | Nível de eficiência                                                                                                                                                                                                                                                                                                                                                                                                                        | Effizienzgrad                                                                                                                                                                                    | Βαθμός απόδοσης                                                                                                                                                                                                       | Efficiëntiegraad                                                                                                                                                                                   |
| E   | Informação de VV                                                                                                                                                                                                                                                                                                                                                                                                                           | Angaben zur Drehzahlregelung                                                                                                                                                                     | Πληροφορίες VSD                                                                                                                                                                                                       | VSD-gegevens                                                                                                                                                                                       |
| F   | Ano de fabrico                                                                                                                                                                                                                                                                                                                                                                                                                             | Herstellungsjahr                                                                                                                                                                                 | Έτος κατασκευής                                                                                                                                                                                                       | Bouwjaar                                                                                                                                                                                           |
| G   | Nome do fabricante                                                                                                                                                                                                                                                                                                                                                                                                                         | Name des Herstellers                                                                                                                                                                             | Όνομα κατασκευαστή                                                                                                                                                                                                    | Naam van fabrikant                                                                                                                                                                                 |
| H   | Número de registo comercial                                                                                                                                                                                                                                                                                                                                                                                                                | Amtliche Registrierungsnummer                                                                                                                                                                    | Αριθμός καταχώρισης στο εμπορικό μητρώο                                                                                                                                                                               | Handelsregistratienummer                                                                                                                                                                           |
| I   | Sede do fabricante                                                                                                                                                                                                                                                                                                                                                                                                                         | Niederlassungsort des Herstellers                                                                                                                                                                | Τόπος κατασκευής                                                                                                                                                                                                      | Vestigingsplaats van fabrikant                                                                                                                                                                     |
| J   | Número de modelo do produto                                                                                                                                                                                                                                                                                                                                                                                                                | Modellnummer des Produkts                                                                                                                                                                        | Αριθμός μοντέλου προϊόντος                                                                                                                                                                                            | Modelnummer product                                                                                                                                                                                |
| K   | Potência(s) nominal(is) de entrada do                                                                                                                                                                                                                                                                                                                                                                                                      | Nennmotoreingangsleistung(en)                                                                                                                                                                    | Ονομαστική ισχύς εισόδου μοτέρ                                                                                                                                                                                        | Nominaal opgenomen vermogen motor                                                                                                                                                                  |
| L   | Débito(s)                                                                                                                                                                                                                                                                                                                                                                                                                                  | Volumenstrom (-ströme)                                                                                                                                                                           | Παροχή                                                                                                                                                                                                                | Stroomsnelheid                                                                                                                                                                                     |
| M   | Pressão(ões)                                                                                                                                                                                                                                                                                                                                                                                                                               | Druck (Drücke)                                                                                                                                                                                   | Πίεση                                                                                                                                                                                                                 | Druk                                                                                                                                                                                               |
| N   | Rotações por minuto                                                                                                                                                                                                                                                                                                                                                                                                                        | Umdrehungen pro Minute                                                                                                                                                                           | Στροφές ανά λεπτό                                                                                                                                                                                                     | Omwentelingen per minuut                                                                                                                                                                           |
| O   | Rácio específico                                                                                                                                                                                                                                                                                                                                                                                                                           | Spezifisches Verhältnis                                                                                                                                                                          | Ειδικός λόγος                                                                                                                                                                                                         | Specifieke verhouding                                                                                                                                                                              |
| P   | Informações gerais                                                                                                                                                                                                                                                                                                                                                                                                                         | Allgemeine Informationen                                                                                                                                                                         | Γενικές πληροφορίες                                                                                                                                                                                                   | Algemene informatie                                                                                                                                                                                |
| Q   | 1) O cálculo da eficiência da ventoinha pressupõe a utilização de um VV. Um variador de velocidade está integrado na ventoinha                                                                                                                                                                                                                                                                                                             | 1) Die Berechnung der Ventilatoreffizienz beruht auf der Annahme, dass eine Drehzahlregelung zum Einsatz kommt. In diesen Ventilator ist eine Drehzahlregelung integriert.                       | 1) Ο υπολογισμός της απόδοσης ανεμιστήρα υποθέτει ότι χρησιμοποιείται σύστημα VSD. Ένα σύστημα μετάδοσης μεταβλητής ταχύτητας είναι ενσωματωμένο στον ανεμιστήρα.                                                     | 1) Efficiëntie berekend met gebruik van VSD. Een aandrijving met variabele snelheid (VSD) is ingebouwd in de ventilator                                                                            |
| R   | 2) Fabricado pela primeira vez em 2012 e em produção contínua desde então                                                                                                                                                                                                                                                                                                                                                                  | 2) Beginn der Herstellung 2012, seither fortlaufende Produktion                                                                                                                                  | 2) Πρώτη κατασκευή το 2012 και σε συνεχή παραγωγή από τότε                                                                                                                                                            | 2) Doorlopend geproduceerd vanaf 2012                                                                                                                                                              |
| S   | 3) 129, Samsung-ro, Yeongtong gu, Suwon-si, Gyeonggi-do, República da Coreia, 16677                                                                                                                                                                                                                                                                                                                                                        | 3) 129, Samsung-ro, Yeongtong gu, Suwon-si, Gyeonggi-do, Republik Korea, 16677                                                                                                                   | 3) 129, Samsung-ro, Yeongtong gu, Suwon-si, Gyeonggi-do, Δημοκρατία της Κορέας, 16677                                                                                                                                 | 3) 129, Samsung-ro, Yeongtong gu, Suwon-si, Gyeonggi-do, Republiek Korea, 16677                                                                                                                    |
| T   | 4) Todas as informações pertinentes para desmontagem, reciclagem, eliminação, instalação, utilização e manutenção da ventoinha são fornecidas no manual de instalação e do utilizador do aparelho de ar condicionado. 4) Todas as informações pertinentes para desmontagem, reciclagem, eliminação, instalação, utilização e manutenção da ventoinha são fornecidas no manual de instalação e do utilizador do aparelho de ar condicionado | 4) Alle für Zerlegung, Recycling, Entsorgung, Einbau, Betrieb und Instandhaltung des Ventilators relevanten Information werden im Installations- und Benutzerhandbuch des Klimageräts angegeben. | 4) Όλες οι σχετικές πληροφορίες για την αποσυναρμολόγηση, την ανακύκλωση, την απόρριψη, την εγκατάσταση, τη χρήση και τη συντήρηση του ανεμιστήρα παρέχονται στο εγχειρίδιο εγκατάστασης και χρήσης του κλιματιστικού | 4) Alle relevante informatie voor demontage, recycling, afvoer, installatie, gebruik en onderhoud van de ventilator is te vinden in de installatie- en gebruikershandleiding van de airconditioner |
| U   | Dados de contacto :                                                                                                                                                                                                                                                                                                                                                                                                                        | Kontaktinformationen :                                                                                                                                                                           | Στοιχεία επικοινωνίας :                                                                                                                                                                                               | Contactgegevens :                                                                                                                                                                                  |
| V   | Se for um profissional à procura de informações sobre a remoção da bateria e desmontagem não destrutiva, envie um e-mail para: erims.sec@samsung.com.                                                                                                                                                                                                                                                                                      | Wenn Sie ein Fachmann sind, der Informationen über die nicht-destruktive Demontage, Zerlegung und Batterientnahmefähigkeit sucht, schreiben Sie bitte eine E-Mail an: erims.sec@samsung.com.     | Αν είστε επαγγελματίας και αναζητάτε πληροφορίες σχετικά με τη μη καταστροφική αποσυναρμολόγηση, την αποξήλωση και τη δυνατότητα αφαίρεσης της μπαταρίας στείλτε email στη διεύθυνση: erims.sec@samsung.com.          | Als u een professional bent die informatie zoekt over niet-destructieve demontage, ontmanteling en de verwijderbaarheid van de batterij, stuur dan een e-mail naar: erims.sec@samsung.com.         |

| No. | Polish(PL)                                                                                                                                                                                            | Hungarian(HU)                                                                                                                                                                                                            | Czech(CS)                                                                                                                                                                           | Slovak(SK)                                                                                                                                                                                    |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| i   | ROZPORZĄDZENIE KOMISJI (UE) NR 327/2011                                                                                                                                                               | A BIZOTTSÁG 327/2011/EU RENDELETE                                                                                                                                                                                        | NAŘÍZENÍ KOMISE (EU) č. 327/2011                                                                                                                                                    | NARIADENIE KOMISIE (EÚ) č. 327/2011                                                                                                                                                           |
| ii  | wymogów dotyczących ekoprojektu dla wentylatorów                                                                                                                                                      | ventilátorok környezetbarát tervezésére vonatkozó követelmények tekintetében történő                                                                                                                                     | požadavky na ekodesign ventilátorů                                                                                                                                                  | požiadavky na ekodizajn ventilátorov                                                                                                                                                          |
| iii | statyczna                                                                                                                                                                                             | Statikus hatásfok                                                                                                                                                                                                        | statická                                                                                                                                                                            | statická                                                                                                                                                                                      |
| iv  | Silnik wentylatora                                                                                                                                                                                    | Ventilátormotor                                                                                                                                                                                                          | Motor ventilátoru                                                                                                                                                                   | Motor ventilátora                                                                                                                                                                             |
| A   | sprawność ogólna                                                                                                                                                                                      | az η általános hatásfok                                                                                                                                                                                                  | celková účinnost                                                                                                                                                                    | celková účinnosť                                                                                                                                                                              |
| B   | Kategoria pomiarowa                                                                                                                                                                                   | Mérési kategória                                                                                                                                                                                                         | Kategorie měření                                                                                                                                                                    | Kategória merania                                                                                                                                                                             |
| C   | Kategoria sprawności                                                                                                                                                                                  | Hatásfok-kategória                                                                                                                                                                                                       | Kategorie účinnosti                                                                                                                                                                 | Kategória účinnosti                                                                                                                                                                           |
| D   | Współczynnik sprawności                                                                                                                                                                               | Hatásfokjelző szám                                                                                                                                                                                                       | Třída účinnosti                                                                                                                                                                     | Stupeň účinnosti                                                                                                                                                                              |
| E   | Informacje o układzie regulacji prędkości                                                                                                                                                             | Frekvenciaváltó adatai                                                                                                                                                                                                   | Informace VSD                                                                                                                                                                       | Informácie o pohone s premenlivými otáč                                                                                                                                                       |
| F   | obrotowej                                                                                                                                                                                             | A gyártás éve                                                                                                                                                                                                            | Rok výroby                                                                                                                                                                          | Rok výroby                                                                                                                                                                                    |
| G   | Nazwa producenta                                                                                                                                                                                      | A gyártó neve                                                                                                                                                                                                            | Název výrobce                                                                                                                                                                       | Názov výrobcu                                                                                                                                                                                 |
| H   | Numer rejestru handlowego                                                                                                                                                                             | Cégjegyzékszám                                                                                                                                                                                                           | Číslo komerční registrace                                                                                                                                                           | Identifikačné číslo výrobcu                                                                                                                                                                   |
| I   | Miejsce produkcji                                                                                                                                                                                     | A gyártó működési helye                                                                                                                                                                                                  | Sídlo výrobce                                                                                                                                                                       | Sídlo výrobcu                                                                                                                                                                                 |
| J   | Numer modelu produktu                                                                                                                                                                                 | A termék típuszáma                                                                                                                                                                                                       | Číslo modelu produktu                                                                                                                                                               | Číslo modelu produktu                                                                                                                                                                         |
| K   | Znamionowy pobór mocy silnika                                                                                                                                                                         | Mért felvett motorteljesítmény(ek)                                                                                                                                                                                       | Jmenovité příkony motoru                                                                                                                                                            | Menovitý príkon motora                                                                                                                                                                        |
| L   | Natężenie przepływu                                                                                                                                                                                   | Mért tömegáram(ok)                                                                                                                                                                                                       | Průtoky                                                                                                                                                                             | Prietoková rýchlosť                                                                                                                                                                           |
| M   | Ciśnienie                                                                                                                                                                                             | Nyomás(ok)                                                                                                                                                                                                               | Tlaky                                                                                                                                                                               | Tlak                                                                                                                                                                                          |
| N   | Obroty na minutę                                                                                                                                                                                      | Percenkénti fordulatszám                                                                                                                                                                                                 | Otáčky za minutu                                                                                                                                                                    | Otáčky/min.                                                                                                                                                                                   |
| O   | Współczynnik charakterystyczny                                                                                                                                                                        | Nyomáсарány                                                                                                                                                                                                              | Specifický poměr                                                                                                                                                                    | Pomer výkonu k hmotnosti                                                                                                                                                                      |
| P   | Informacje ogólne                                                                                                                                                                                     | Általános információk                                                                                                                                                                                                    | Obecné informace                                                                                                                                                                    | Všeobecné informácie                                                                                                                                                                          |
| Q   | 1) W obliczeniu wydajności wentylatora uwzględniono zastosowanie układu regulacji prędkości obrotowej. Układ regulacji prędkości obrotowej stanowi element konstrukcji wentylatora.                   | 1. A ventilátor hatásfokának számítása frekvenciaváltó feltételezésével történő<br>A ventilátor tartalmazza a frekvenciaváltót                                                                                           | 1) Výpočet účinnosti ventilátoru předpokládal využití VSD<br>Pohon s proměnnými otáčkami je integrovaný do ventilátoru                                                              | 1) Pri výpočte účinnosti ventilátora sa predpokladalo používanie pohonu s premenlivými otáčkami. Vo ventilátore je integrovaný pohon s premenlivými otáčkami.                                 |
| R   | 2) Wyprodukowano po raz pierwszy w 2012 r., pozostaje w ciągłej produkcji.                                                                                                                            | 2. 2012. óta folyamatosan gyártják                                                                                                                                                                                       | 2) Vyrobeno poprvé v roce 2012 a od té doby v nepřetržité produkci                                                                                                                  | 2) Prvýkrát vyrobené v roku 2012 a odvtedy sa nepretržite vyrába.                                                                                                                             |
| S   | 3) 129, Samsung-ro, Yeongtong gu, Suwon-si, Gyeonggi-do, Republika Korei, 16677                                                                                                                       | 3. 129, Samsung-ro, Yeongtong gu, Suwon-si, Gyeonggi-do, Koreai Köztársaság, 16677                                                                                                                                       | 3) 129, Samsung-ro, Yeongtong gu, Suwon-si, Gyeonggi-do, Korejská republika, 16677                                                                                                  | 3) 129, Samsung-ro, Yeongtong gu, Suwon-si, Gyeonggi-do, Republic of Korea, 16677                                                                                                             |
| T   | 4) Wszystkie odnośne informacje dotyczące demontażu, recyklingu, utylizacji, montażu, eksploatacji i konserwacji wentylatora znajdują się w instrukcji instalacji i instrukcji obsługi klimatyzatora. | 4. A ventilátor szétszerelésével, újrafeldolgozásával, ártalmatlanításával, beszerelésével, használatával és karbantartásával kapcsolatos megfelelő információk a légkondicionáló felhasználói kézikönyvében találhatók. | 4) Všechny informace související s demontáží, recyklací, likvidací, instalací, použitím a údržbou ventilátoru jsou uvedeny v instalační a uživatelské příručce jednotky klimatizace | 4) Všetky relevantné informácie o demontáži, recyklácii, likvidácii, inštalácii, používaní a údržbe ventilátora sú uvedené v inštaláčnej a používateľskej príručke klimatizačného zariadenia. |
| U   | Dane kontaktowe :                                                                                                                                                                                     | Névjegy részletek :                                                                                                                                                                                                      | Kontaktní údaje :                                                                                                                                                                   | Kontaktné údaje :                                                                                                                                                                             |
| V   | Jeśli potrzebujesz informacji na temat demontażu nieniszczącego oraz możliwości usunięcia baterii, wyślij wiadomość e-mail na adres: erims.sec@samsung.com.                                           | Ha a nem destruktív jellegű szétszerelésről, bontásról és akkumulátor-eltávolításról keres információt szakemberként, kérjük, küldjön egy e-mailt a következő címre: erims.sec@samsung.com.                              | Pokud jste odborníci, kteří hledají informace o nedeštruktivní demontáži, rozebrání, možnosti vyjmutí baterií, zašlete e-mail na: erims.sec@samsung.com.                            | Ak ste odborný pracovník a máte záujem o informácie o nedeštruktívnom rozobratí, rozmontovaní a možnosti vybratia batérie, pošlite e-mail na adresu: erims.sec@samsung.com.                   |

| No. | Romanian(RO)                                                                                                                                                                                                             | Bulgarian(BG)                                                                                                                                                                                                        | Croatian(HR)                                                                                                                                                                                    | Serbian(SR)                                                                                                                                                                  |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| i   | REGULAMENTUL (UE) NR. 327/2011 AL COMISIEI                                                                                                                                                                               | РЕГЛАМЕНТ (ЕС) № 327/2011 НА КОМИСИЯТА                                                                                                                                                                               | UREDBA KOMISIJE (EU) br. 327/2011                                                                                                                                                               | Регламент (ЕС) № 327/2011                                                                                                                                                    |
| ii  | cerințele de proiectare ecologică pentru ventilatoarele                                                                                                                                                                  | изискванията за екопроектиране на вентилатори                                                                                                                                                                        | zahtjeve za ekološki dizajn za ventilatore                                                                                                                                                      | Екодизајн захтеви за вентилаторе                                                                                                                                             |
| iii | static                                                                                                                                                                                                                   | статично налягане                                                                                                                                                                                                    | statička                                                                                                                                                                                        | Statično                                                                                                                                                                     |
| iv  | Motor ventilator                                                                                                                                                                                                         | Двигател на вентилатор                                                                                                                                                                                               | Motor ventilatora                                                                                                                                                                               | Motor ventilatora                                                                                                                                                            |
| A   | randamentul total                                                                                                                                                                                                        | Обща ефективност                                                                                                                                                                                                     | cjelokupna učinkovitost                                                                                                                                                                         | Ukupna efikasnost                                                                                                                                                            |
| B   | Categorii de măsurare                                                                                                                                                                                                    | Категория на измерване                                                                                                                                                                                               | Kategorija mjerenja                                                                                                                                                                             | Kategorija merenja                                                                                                                                                           |
| C   | Categorii randament                                                                                                                                                                                                      | атегория на ефективност                                                                                                                                                                                              | Kategorija učinkovitosti                                                                                                                                                                        | Kategorija efikasnosti                                                                                                                                                       |
| D   | Nivel de randament                                                                                                                                                                                                       | Степен на ефективност                                                                                                                                                                                                | Stupanj učinkovitosti                                                                                                                                                                           | Ocena efikasnosti                                                                                                                                                            |
| E   | Informații VSD                                                                                                                                                                                                           | Информация за VSD (Регулатор на оборотите)                                                                                                                                                                           | Podaci o pogonu promjenjive brzine                                                                                                                                                              | Informacije o inverterskom pogonu                                                                                                                                            |
| F   | Anul fabricației                                                                                                                                                                                                         | Година на производство                                                                                                                                                                                               | Godina proizvodnje                                                                                                                                                                              | Godina proizvodnje                                                                                                                                                           |
| G   | Numele producătorului                                                                                                                                                                                                    | Име на производител                                                                                                                                                                                                  | Naziv proizvođača                                                                                                                                                                               | Naziv proizvođača                                                                                                                                                            |
| H   | Număr de înregistrare comercială                                                                                                                                                                                         | Номер на търговска регистрация                                                                                                                                                                                       | Broj upisa u trgovački registar                                                                                                                                                                 | Matični broj kompanije                                                                                                                                                       |
| I   | Locația producătorului                                                                                                                                                                                                   | Адрес на производителя                                                                                                                                                                                               | Sjedište proizvođača                                                                                                                                                                            | Mesto proizvodnje                                                                                                                                                            |
| J   | Numărul modelului produsului                                                                                                                                                                                             | Номер на модела на продукта                                                                                                                                                                                          | Broj modela proizvoda                                                                                                                                                                           | Broj modela proizvoda                                                                                                                                                        |
| K   | Intrare (intrări) putere nominală motor                                                                                                                                                                                  | Номинална входна мощност на мотора                                                                                                                                                                                   | Nazivna ulazna snaga motora                                                                                                                                                                     | Nominalna ulazna snaga motora                                                                                                                                                |
| L   | Debit (debituri)                                                                                                                                                                                                         | Дебит                                                                                                                                                                                                                | Protok                                                                                                                                                                                          | Protoci                                                                                                                                                                      |
| M   | Presiune (presiuni)                                                                                                                                                                                                      | Налягане                                                                                                                                                                                                             | Tlak                                                                                                                                                                                            | Pritisci                                                                                                                                                                     |
| N   | rotații pe minut                                                                                                                                                                                                         | Обороти в минута                                                                                                                                                                                                     | Okretaji u minuti                                                                                                                                                                               | Obrtaja u minutu                                                                                                                                                             |
| O   | Rată specifică                                                                                                                                                                                                           | Специфичен коефициент                                                                                                                                                                                                | Specifični omjer                                                                                                                                                                                | Specifični odnos                                                                                                                                                             |
| P   | Informații generale                                                                                                                                                                                                      | Обща информация                                                                                                                                                                                                      | Opći podaci                                                                                                                                                                                     | Osnovne informacije                                                                                                                                                          |
| Q   | 1) Calcularea eficienței ventilatorului asumă utilizarea unui VSD<br>O unitate de viteză variabilă este integrată într-un ventilator                                                                                     | 1) Изчисленията за ефективност на вентилатора предполагат използване на VSD (Регулатор на оборотите)<br>Във вентилатора е вграден регулатор на оборотите                                                             | 1) Izračun učinkovitosti ventilatora podrazumijeva upotrebu pogona promjenjive brzine<br>Pogon promjenjive brzine ugrađen je u ventilator                                                       | 1) Izračunavanje efikasnosti ventilatora pod pretpostavkom da se koristi inverterski pogon<br>Inverterski pogon (pogon s promenljivom brzinom) je integrisan u ventilator    |
| R   | 2) Fabricat prima oară în 2012, se fabrică în continuare                                                                                                                                                                 | 2) Първо произведен през 2012 г. и оттогава се произвежда непрекъснато                                                                                                                                               | 2) Prvi je put proizveden 2012. godine i od tada se neprekidno proizvodi                                                                                                                        | 2) Prvi put proizvedeno 2012. godine i od tada se neprestano proizvodi                                                                                                       |
| S   | 3) 129, Samsung-ro, Yeongtong gu, Suwon-si, Gyeonggi-do, Republica Coreea, 16677                                                                                                                                         | 3) 129, Samsung-ro, Yeongtong gu, Suwon-si, Gyeonggi-do, Република Корея, 16677                                                                                                                                      | 3) 129, Samsung-ro, Yeongtong gu, Suwon-si, Gyeonggi-do, Republika Koreja, 16677                                                                                                                | 3) 129, Samsung-ro, Yeongtong gu, Suwon-si, Gyeonggi-do, Republika Koreja, 16677                                                                                             |
| T   | 4) Toate informațiile relevante pentru dezasamblare, reciclare, eliminare, instalare, utilizare și întreținere a ventilatorului sunt furnizate în manualul de utilizare și instalare a aparatului de aer condiționat     | 4) Цялата релевантна информация за разглобяване, рециклиране, изхвърляне, монтиране, използване и поддръжка на вентилатора е предоставена в ръководството за инсталиране и ръководството за потребителя на климатика | 4) Svi podaci relevantni za rastavljanje, recikliranje, odlaganje, postavljanje, upotrebu i održavanje ventilatora navedeni su u uputama za postavljanje i korisničkom priručniku klima-uređaja | 4) Sve informacije o rasklapanju, recikliranju, odlaganju, ugradnji, korišćenju i održavanju ventilatora dostupne su u priručniku za ugradnju i korišćenje klima-uređaja     |
| U   | Detalii de contact :                                                                                                                                                                                                     | Данни за контакт :                                                                                                                                                                                                   | Kontaktni podaci :                                                                                                                                                                              | Kontakt detalji :                                                                                                                                                            |
| V   | Dacă sunteți un profesionist care are nevoie de informații în ceea ce privește dezasamblarea, demontarea și îndepărtarea bateriei într-un mod non-distructiv, va rugăm să trimiteți un e-mail la: erims.sec@samsung.com. | В случай, че сте специалист, търсещ информация за безразрушително разглобяване, демонтаж и сваляне на батерията, моля, изпратете имейл на адрес: erims.sec@samsung.com.                                              | Ako ste profesionalac koji traži informacije o nedestruktivnom rastavljanju, demontaži i mogućnosti uklanjanja baterije, pošaljite e-poruku na: erims.sec@samsung.com.                          | Ako ste profesionalac u potrazi za informacijama o nedestruktivnom rasklapanju, demontiranju i uklanjanju baterija, pošaljite nam e-poruku na adresu: erims.sec@samsung.com. |



| No. | Slovenian(SL)                                                                                                                                                                          | Danish(DA)                                                                                                                                                                                            | Swedish(SV)                                                                                                                                                                                      | Finnish(FI)                                                                                                                                                                   |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| i   | UREDBA KOMISIJE (EU) št. 327/2011                                                                                                                                                      | KOMMISSIONENS FORORDNING (EU) Nr. 327/2011                                                                                                                                                            | KOMMISSIONENS FÖRORDNING (EU) nr 327/2011                                                                                                                                                        | KOMISSION ASETUS (EU) N:o 327/2011,                                                                                                                                           |
| ii  | okoljsko primerno zasnov                                                                                                                                                               | vidt angår krav til miljøvenligt design af elmotordrevne ventilatorer                                                                                                                                 | krav ekodesign för fläktar                                                                                                                                                                       | ekologista suunnittelua vaatimusten osalta puhaltimien                                                                                                                        |
| iii | statična                                                                                                                                                                               | statisk                                                                                                                                                                                               | Statisk                                                                                                                                                                                          | staattinen                                                                                                                                                                    |
| iv  | Motor ventilatorja                                                                                                                                                                     | Blæsermotor                                                                                                                                                                                           | Fläktmotor                                                                                                                                                                                       | Puhallinmoottori                                                                                                                                                              |
| A   | celotna učinkovitost                                                                                                                                                                   | samlet virkningsgrad                                                                                                                                                                                  | Totalverkningsgrad                                                                                                                                                                               | yleinen hyötysuhde                                                                                                                                                            |
| B   | Merilna kategorija                                                                                                                                                                     | Måleopstilling                                                                                                                                                                                        | Mättnings- kategori                                                                                                                                                                              | Liitäntätapa                                                                                                                                                                  |
| C   | Kategorija učinkovitosti                                                                                                                                                               | Type ventilator-virknings-grad                                                                                                                                                                        | Typ av verkningsgrad                                                                                                                                                                             | Hyötysuhdeluokka                                                                                                                                                              |
| D   | Raven učinkovitosti                                                                                                                                                                    | Virkningsgradklassificering                                                                                                                                                                           | Verkningsgrad                                                                                                                                                                                    | Hyötysuhdetaso                                                                                                                                                                |
| E   | Informacije o pogonu spremenljive hitrosti                                                                                                                                             | VSD-informationer                                                                                                                                                                                     | VSD-information                                                                                                                                                                                  | Taajuusmuuttajan tiedot                                                                                                                                                       |
| F   | Leto proizvodnje                                                                                                                                                                       | Fremstillingsår                                                                                                                                                                                       | Tillverksingsår                                                                                                                                                                                  | Valmistusvuosi                                                                                                                                                                |
| G   | Ime proizvajalca                                                                                                                                                                       | Producentens navn                                                                                                                                                                                     | Tillverkarens namn                                                                                                                                                                               | Valmistajan nimi                                                                                                                                                              |
| H   | Registracijska številka podjetja                                                                                                                                                       | Kommercielt registreringsnummer                                                                                                                                                                       | Kommersiellt registreringsnummer                                                                                                                                                                 | Y-tunnus                                                                                                                                                                      |
| I   | Kraj proizvodnje                                                                                                                                                                       | Produktionssted                                                                                                                                                                                       | Tillverkningsplats                                                                                                                                                                               | Valmistuspaikka                                                                                                                                                               |
| J   | Številka modela izdelka                                                                                                                                                                | Produktmodellens nummer                                                                                                                                                                               | Produktens modellnummer                                                                                                                                                                          | Laitteen mallinumero                                                                                                                                                          |
| K   | Nazivna vhodna moč motorja                                                                                                                                                             | Angivet/angivne motoreffektindgang€                                                                                                                                                                   | Beräknad ingångseffekt motor                                                                                                                                                                     | Moottorin nimellisteho(t)                                                                                                                                                     |
| L   | Hitrost pretoka                                                                                                                                                                        | Gennemstrømningsmængde@                                                                                                                                                                               | Flöde(n)                                                                                                                                                                                         | Virtausnopeus (-nopeudet)                                                                                                                                                     |
| M   | Tlak                                                                                                                                                                                   | Tryk                                                                                                                                                                                                  | Tryck                                                                                                                                                                                            | Paine(et)                                                                                                                                                                     |
| N   | Obrati na minuto                                                                                                                                                                       | Omdrejninger pr. minut                                                                                                                                                                                | Varv per minut                                                                                                                                                                                   | Kierrokssia minuutissa                                                                                                                                                        |
| O   | Določeno razmerje                                                                                                                                                                      | Specifikt forhold                                                                                                                                                                                     | Specifikt förhållande                                                                                                                                                                            | Ominaisuusuhde                                                                                                                                                                |
| P   | Splošne informacije                                                                                                                                                                    | Generelle informationer                                                                                                                                                                               | Allmän information                                                                                                                                                                               | Yleistietoja                                                                                                                                                                  |
| Q   | 1) Izračun učinkovitosti ventilatorja pri predvideni uporabi pogona spremenljive hitrosti. Pogon spremenljive hitrosti je vgrajen v ventilator.                                        | 1) Beregningen af blæseeffektivitet antager brug af en VSD Et gear med variabel hastighed er integreret i blæseren                                                                                    | 1) Beräkningen av fläkteffektivitet antar att en VSD används En variabel hastighetsdrivning är integrerad i fläkten                                                                              | 1) Puhaltimien hyötysuhde laskettuna taajuusmuuttajan oletetun käytön perusteella. Taajuusmuuttaja on integroitu puhaltimeen.                                                 |
| R   | 2) Prvič proizveden leta 2012, od takrat dalje v neprekinjeni proizvodnji.                                                                                                             | 2) Første gang produceret i 2012 og i kontinuerlig produktion siden                                                                                                                                   | 2) Tillverkades först 2012 och i kontinuerlig produktion sedan dess                                                                                                                              | 2) Valmistus aloitettu vuonna 2012 ja jatkuu edelleen.                                                                                                                        |
| S   | 3) 129, Samsung-ro, Yeongtong gu, Suwon-si, Gyeonggi-do, Republika Koreja, 443–742.                                                                                                    | 3) 129, Samsung-ro, Yeongtong gu, Suwon-si, Gyeonggi-do, Republiken Korea, 16677                                                                                                                      | 3) 129, Samsung-ro, Yeongtong gu, Suwon-si, Gyeonggi-do, Sydkorea, 16677                                                                                                                         | 3) 129, Samsung-ro, Yeongtong gu, Suwon-si, Gyeonggi-do, Korean tasavalta, 16677                                                                                              |
| T   | 4) Vse informacije o razstavljanju, recikliranju, odstranjevanju, namestitvi, uporabi in vzdrževanju ventilatorja so na voljo v priročniku za uporabo in namestitev klimatske naprave. | 4) Alle relevante informationer for adskillelse, genbrug, bortskaffelse, installation, brug og vedligeholdelse af blæseren findes i installations- og brugervejledningerne til aircondition anlægget. | 4) All relevant information om demontering, återvinning, omhändertagande, installation, användning och underhåll av fläkten finns i installations- och användarhandboken för luftkonditioneraren | 4) Kaikki puhaltimien purkamista, kierrätystä, hävittämistä, asennusta, käyttöä ja ylläpitoa koskevat tiedot ovat ilmalämpöpumpun asennus- ja käyttöoppaassa.                 |
| U   | Podatki za stik :                                                                                                                                                                      | Kontaktoplysninger :                                                                                                                                                                                  | Kontaktuppgifter :                                                                                                                                                                               | Yhteystiedot :                                                                                                                                                                |
| V   | Če ste strokovnjak, ki išče informacije o nedestruktivnem razstavljanju, demontaži in odstranjevanju baterije, pošljite e-pošto na naslov: erims.sec@samsung.com.                      | Send en e-mail til erims.sec@samsung.com., hvis du er en fagperson, som søger oplysninger om, hvordan enheden kan skilles ad og batteriet fjernes, uden at forårsage skade.                           | Om du är yrkesperson och söker efter information om icke-destruktiv demontering, isärtagning och borttagbara batterier, kan du skriva till: erims.sec@samsung.com.                               | Jos olet ammattilainen ja haluat tietoja tuhoamattomasta purkamisesta, hajottamisesta ja akun irrotettavuudesta, lähetä sähköpostiviesti osoitteeseen: erims.sec@samsung.com. |

| No. | Estonian(ET)                                                                                                                                                                              | Latvian(LV)                                                                                                                                                                                                      | Lithuanian(LT)                                                                                                                                                                                   |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| i   | KOMISJONI MÄÄRUS (EL) nr 327/2011,                                                                                                                                                        | KOMISIJAS REGULA (ES) Nr. 327/2011                                                                                                                                                                               | KOMISIJOS REGLAMENTAS (ES) Nr. 327/2011                                                                                                                                                          |
| ii  | ökodisaini nõuetega ventilaatoritele                                                                                                                                                      | ekodizaina prasībām ventilatoriem                                                                                                                                                                                | ekologinio projektavimo reikalavimai ventilatorių                                                                                                                                                |
| iii | staatiline                                                                                                                                                                                | statiskā                                                                                                                                                                                                         | statisis                                                                                                                                                                                         |
| iv  | Ventilaatori mootor                                                                                                                                                                       | Ventilatora motors                                                                                                                                                                                               | Ventilatoriaus variklis                                                                                                                                                                          |
| A   | üldine energiatõhusus                                                                                                                                                                     | vispārējā efektivitāte                                                                                                                                                                                           | visuminis našumas                                                                                                                                                                                |
| B   | Mõõtekategooria                                                                                                                                                                           | Mērijumu kategorija                                                                                                                                                                                              | Matavimo kategorija                                                                                                                                                                              |
| C   | Energiatõhususe kategooria                                                                                                                                                                | Efektivitātes kategorija                                                                                                                                                                                         | Našumo kategorija                                                                                                                                                                                |
| D   | Energiatõhususe klass                                                                                                                                                                     | Efektivitātes pakāpe                                                                                                                                                                                             | Našumo klasė                                                                                                                                                                                     |
| E   | VSD teave                                                                                                                                                                                 | VSD (mainīgā ātruma piedziņas) informācija                                                                                                                                                                       | VSD informacija                                                                                                                                                                                  |
| F   | Tootmisaasta                                                                                                                                                                              | Ražošanas gads                                                                                                                                                                                                   | Pagaminimo metai                                                                                                                                                                                 |
| G   | Tootja nimi                                                                                                                                                                               | Ražotāja nosaukums                                                                                                                                                                                               | Gamintojo pavadinimas                                                                                                                                                                            |
| H   | Äriregistri number                                                                                                                                                                        | Uzņēmuma reģistrācijas numurs                                                                                                                                                                                    | Kommercinis registracijos numeris                                                                                                                                                                |
| I   | Tootmiskoht                                                                                                                                                                               | Ražotāja atrašanās vieta                                                                                                                                                                                         | Gamintojo adresas                                                                                                                                                                                |
| J   | Toote mudeli number                                                                                                                                                                       | Izstrādājuma modeļa numurs                                                                                                                                                                                       | Gaminio modelio numeris                                                                                                                                                                          |
| K   | Mootori nimisendvõimsus(ed)                                                                                                                                                               | Nominālā motora jauda(-s)                                                                                                                                                                                        | Vardinė variklio galios įvestis (-ys)                                                                                                                                                            |
| L   | Voolu määrad                                                                                                                                                                              | Plūsmas ātrums(-i)                                                                                                                                                                                               | Tėkmės srautas (-ai)                                                                                                                                                                             |
| M   | Rõhk (rõhud)                                                                                                                                                                              | Spiediens(-i)                                                                                                                                                                                                    | Slėgis (-iai)                                                                                                                                                                                    |
| N   | Pööret minutis                                                                                                                                                                            | Apgrīzieni minūtē                                                                                                                                                                                                | Apsukos per minutę                                                                                                                                                                               |
| O   | Spetsiifiline määrad                                                                                                                                                                      | Īpašā attiecība                                                                                                                                                                                                  | Tikslus koeficientas                                                                                                                                                                             |
| P   | Üldine teave                                                                                                                                                                              | Vispārējā informācija                                                                                                                                                                                            | Bendroji informacija                                                                                                                                                                             |
| Q   | 1) Ventilaatori tõhususe arvutamisel eeldati VSD kasutamist.<br>Ventilaatorisse on integreeritud muutuva kiirusega ajam.                                                                  | 1) Ventilatora efektivitātes aprēķins pieņemot, ka tiek izmantota VSD (mainīgā ātruma piedziņa).<br>Mainīga ātruma piedziņa ir iebūvēta ventilatorā.                                                             | 1) Ventilatoriaus efektyvumo skaičiavimas laikant, kad naudojamas VSD<br>Ventilatoriuje yra integruota kintamojo greičio pavara                                                                  |
| R   | 2) Esmatootmisaasta 2012 ja sellest alates seeriatootmises.                                                                                                                               | 2) Pirmā modeļa ražošana tika uzsākta 2012. gadā un turpinās arī mūsdienās.                                                                                                                                      | 2) Pirmą kartą pagaminta 2012 m., tada gaminama nuolat                                                                                                                                           |
| S   | 3) 129, Samsung-ro, Yeongtong gu, Suwon-si, Gyeonggi-do, Korea Vabariik, 16677                                                                                                            | 3) 129, Samsung-ro, Yeongtong gu, Suwon-si, Gyeonggi-do, Korejas Republika, 16677                                                                                                                                | 3) 129, „Samsung-ro“, „Yeongtong gu“, „Suwon-si“, „Gyeonggi-do“, Korėjos Respublika, 16677                                                                                                       |
| T   | 4) Kogu ventilaatori demonteerimist, ringlussevõttu, kasutuselt kõrvaldamist, paigaldamist, kasutamist ja hooldamist puudutav teave on toodud kliimaseadme paigaldus- ja kasutusjuhendis. | 4) Visa nepieciešamā informācija par ventilatora izjaukšanu, atkārtotu pārstrādi, izmešanu atkritumos, uzstādīšanu, lietošanu un apkopi ir atrodama gaisa kondicioniera uzstādīšanas un lietošanas rokasgrāmatā. | 4) Visa informacija, susijusi su ventilatoriaus išmontavimu, perdirbimu, šalinimu, montavimu, naudojimu ir technine priežiūra, yra pateikiama oro kondicionieriaus montavimo ir naudojimo vadove |
| U   | Kontaktandmed :                                                                                                                                                                           | Kontaktinformācija :                                                                                                                                                                                             | Kontaktinė informacija :                                                                                                                                                                         |
| V   | Kui te olete professionaal, kes soovib teavet mittepurustava lahtivõtmise, demonteerimise ja aku eemaldamise kohta, saatke e-kiri aadressile: erims.sec@samsung.com.                      | Ja esat profesionālis un meklējat informāciju par drošu demontāžu, izjaukšanu un akumulatora izņemšanu, lūdzu, nosūtiet e-pasta ziņojumu uz adresi: erims.sec@samsung.com.                                       | Jei esate specialistas ir ieškote informacijos kaip išrinkti ir išmontuoti nepadarant žalos arba išimti bateriją, kreipkitės el. paštu: erims.sec@samsung.com.                                   |

| No. | Maltese(MT)                                                                                                                                                                                                        | Norwegian(NO)                                                                                                                                                                    | Türkçe(TR)                                                                                                                                                                                                    |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| i   | REGOLAMENT TAL-KUMMISSJONI (UE) Nru 327/2011                                                                                                                                                                       | Kommisjonsforordning (EU) nr 327/2011                                                                                                                                            | SVGM: 2019/15                                                                                                                                                                                                 |
| ii  | rekwiżiti ta' ekodisinn għal fannijiet                                                                                                                                                                             | Krav til økodesign for fans                                                                                                                                                      | ELEKTRİK GİRİŞ GÜCÜ 125 W İLE 500 kW ARASINDA OLAN MOTORLARLA TAHRİK EDİLEN FANLARLA İLGİLİ ÇEVREYE DUYARLI TASARIM GEREKLERİNE DAİR TEBLİĞ                                                                   |
| iii | statika                                                                                                                                                                                                            | Statisk                                                                                                                                                                          | Statik                                                                                                                                                                                                        |
| iv  | Mutur tal-Fann                                                                                                                                                                                                     | Viftemotor                                                                                                                                                                       | Fan Motoru                                                                                                                                                                                                    |
| A   | l-effiċjenza globali                                                                                                                                                                                               | Total effektivitet                                                                                                                                                               | Genel verimlilik                                                                                                                                                                                              |
| B   | Kategorija tal-kejl                                                                                                                                                                                                | Målingskategori                                                                                                                                                                  | Ölçüm kategorisi                                                                                                                                                                                              |
| C   | Kategorija ta' effiċjenza                                                                                                                                                                                          | Effektivitetskategori                                                                                                                                                            | Verimlilik kategorisi                                                                                                                                                                                         |
| D   | Grad ta' effiċjenza                                                                                                                                                                                                | Effektivitetsgrad                                                                                                                                                                | Verimlilik derecesi                                                                                                                                                                                           |
| E   | Informazzjoni VSD                                                                                                                                                                                                  | VSD-informasjon                                                                                                                                                                  | VSD Bilgisi                                                                                                                                                                                                   |
| F   | Sena tal-manifattura                                                                                                                                                                                               | Produksjonsår                                                                                                                                                                    | Üretim yılı                                                                                                                                                                                                   |
| G   | L-isem tal-manifattur                                                                                                                                                                                              | Produsentens navn                                                                                                                                                                | Üretici adı                                                                                                                                                                                                   |
| H   | Numru tar-Registrazzjoni Kummercjali                                                                                                                                                                               | Kommersielt registreringsnummer                                                                                                                                                  | Ticari Tescil numarası                                                                                                                                                                                        |
| I   | Post tal-manifattur                                                                                                                                                                                                | Produksjonssted                                                                                                                                                                  | Üretici yeri                                                                                                                                                                                                  |
| J   | Numru tal-mudell tal-prodott                                                                                                                                                                                       | Produktets modellnummer                                                                                                                                                          | Ürünün model numarası                                                                                                                                                                                         |
| K   | Input(s) tal-qawwa tal-mutur ikklassifikat(i)                                                                                                                                                                      | Klassifiserte motorstrøminntak                                                                                                                                                   | Nominal motor gücü girişleri                                                                                                                                                                                  |
| L   | Rata(i) tal-fluss                                                                                                                                                                                                  | Strømningshastighet(er)                                                                                                                                                          | Akış hızları                                                                                                                                                                                                  |
| M   | Pressjoni(jiet)                                                                                                                                                                                                    | Trykk                                                                                                                                                                            | Basınçlar                                                                                                                                                                                                     |
| N   | Rotazzjonijiet fil-minuta                                                                                                                                                                                          | Omdreininger per minutt                                                                                                                                                          | Dakika tur sayısı                                                                                                                                                                                             |
| O   | Proporzjon speċifiku                                                                                                                                                                                               | Spesifikt forhold                                                                                                                                                                | Özel oran                                                                                                                                                                                                     |
| P   | Informazzjoni Ġenerali                                                                                                                                                                                             | Generell informasjon                                                                                                                                                             | Genel bilgiler                                                                                                                                                                                                |
| Q   | 1) Il-kalkolazzjoni tal-effiċjenza tal-fann b'suppożizzjoni ta' użu ta' VSD. Hemm mutur ta' veloċità varjabbli integrat fil-fann                                                                                   | 1) Beregningen av vifteeffektiviteten antok bruken av en VSD<br>En variabel hastighetsdrift er integrert i viften                                                                | 1) Fan verimliliği hesaplanırken, fanın içine bir VSD (değişken hızlı sürücü) entegre edildiği varsayılmıştır                                                                                                 |
| R   | 2) Immanifatturat għall-ewwel darba fl-2012 u fi produzzjoni kontinwa minn dak iż-żmien                                                                                                                            | 2) Først produsert i 2012 og i kontinuerlig produksjon siden da                                                                                                                  | 2) İlk olarak 2012 yılında üretilmiştir ve sürekli üretimdedir                                                                                                                                                |
| S   | 3) 129, Samsung-ro, Yeongtong gu, Suwon-si, Gyeonggi-do, Repubblika tal-Korea, 16677                                                                                                                               | 3) 129, Samsung-ro, Yeongtong gu, Suwon-si, Gyeonggi-do, Republikken Korea, 16677                                                                                                | 3) 129, Samsung-ro, Yeongtong gu, Suwon-si, Gyeonggi-do, Kore Cumhuriyeti, 16677                                                                                                                              |
| T   | 4) L-informazzjoni kollha relevanti dwar iż-żarmar, ir-riċiklaġġ, ir-rimi, l-installazzjoni, l-użu u l-manutenzjoni tal-fann hija pprovduta fil-manwal tal-installazzjoni u tal-utenti tal-Kundizzjonatur tal-Arja | 4) All relevant informasjon for demontering, resirkulering, kassering, installasjon, bruk og vedlikehold av viften finnes i installasjons- og brukerhåndboken til klimaapparatet | 4) Fanın sökülmesi, geri dönüştürülmesi, atılması, montajı, kullanımı ve bakımı ile ilgili tüm bilgiler Klimanın kurulum ve kullanım kılavuzunda verilmiştir.                                                 |
| U   | Detallji ta' min tista' tikkuntattja :                                                                                                                                                                             | Kontaktopplysninger :                                                                                                                                                            | Kontakt ayrıntıları :                                                                                                                                                                                         |
| V   | Jekk int professjonista li qed tfittex informazzjoni dwar żmantellar, żarmar u tneħħija ta' batteriji li mhux distruttivi, jekk jogħġbok ibgħat email lil: erims.sec@samsung.com.                                  | Hvis du er fagperson og vil ha informasjon om ikke-destruktiv demontering og utskiftbare batterier, kan du sende e-post til: erims.sec@samsung.com.                              | Demontaj, parçalarına ayırma ve batarya çıkarma işlemlerinin hasar oluşmadan yapılmasıyla ilgili bilgi almak isteyen bir profesyonel çalışsanız lütfen şu adrese bir e-posta gönderin: erims.sec@samsung.com. |