

COMMISSION REGULATION (EU) No 206/2012 ¹⁾

ECODESIGN REQUIREMENTS FOR AIR CONDITIONERS ^(A)

AR09TXCAAWKN+AR09TXCAAWKN / AJ050TXJ2KG

Function (indicate if percent) ^(B)	If function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average' ^(C)		
cooling ^(D)	Y ^(I)	Average (mandatory) ^(F)	Y ^(I)
heating ^(E)	Y ^(I)	Warmer (if designated) ^(G)	N ^(J)
		Colder (if designated) ^(H)	N ^(J)

Item ^(K)	Symbol ^(L)	Value ^(M)	Unit ^(N)
Design load^(O)			
Cooling ^(D)	P _{designc}	5,0	kW
heating/Average ^(P)	P _{designh}	4,2	kW
heating/Warmer ^(Q)	P _{designh}	-	kW
heating/Colder ^(R)	P _{designh}	-	kW
Declared capacity^(*) for cooling, at indoor temperature 27(19) °C and outdoor temperature T_J^(T)			
T _J = 35 °C	P _{dc}	5,0	kW
T _J = 30 °C	P _{dc}	3,7	kW
T _J = 25 °C	P _{dc}	2,4	kW
T _J = 20 °C	P _{dc}	1,4	kW
Declared capacity^(*) for heating/Average season, at indoor temperature 20 °C and outdoor temperature T_J^(V)			
T _J = -7 °C	P _{dh}	3,7	kW
T _J = 2 °C	P _{dh}	2,3	kW
T _J = 7 °C	P _{dh}	1,5	kW
T _J = 12 °C	P _{dh}	1,3	kW
T _J = bivalent temperature ^(AB)	P _{dh}	3,7	kW
T _J = operating limit ^(AC)	P _{dh}	3,4	kW
Declared capacity^(*) for heating/Warmer season, at indoor temperature 20 °C and outdoor temperature T_J^(A)			
T _J = 2 °C	P _{dh}	-	kW
T _J = 7 °C	P _{dh}	-	kW
T _J = 12 °C	P _{dh}	-	kW
T _J = bivalent temperature ^(AB)	P _{dh}	-	kW
T _J = operating limit ^(AC)	P _{dh}	-	kW
Declared capacity^(*) for heating/Colder season, at indoor temperature 20 °C and outdoor temperature T_J^(Z)			
T _J = -7 °C	P _{dh}	-	kW
T _J = 2 °C	P _{dh}	-	kW
T _J = 7 °C	P _{dh}	-	kW
T _J = 12 °C	P _{dh}	-	kW
T _J = bivalent temperature ^(AB)	P _{dh}	-	kW
T _J = operating limit ^(AC)	P _{dh}	-	kW
T _J = -15 °C	P _{dh}	-	kW
Bivalent temperature^(AD)			
heating/Average ^(P)	T _{biv}	-7	°C
heating/Warmer ^(Q)	T _{biv}	-	°C
heating/Colder ^(R)	T _{biv}	-	°C
Cycling interval capacity^(AF)			
for cooling ^(AH)	P _{cycc}	-	kW
for heating ^(AI)	P _{cyh}	-	kW
Degradation co-efficient cooling ^{(**)(AJ)}	C _{dc}	0,25	kW
Electric power input in power modes other than 'active mode'^(AL)			
off mode ^(AM)	P _{off}	0,0	kW
standby mode ^(AN)	P _{sb}	0,0	kW
thermostat-off mode ^(AO)	P _{to}	0,0	kW
crankcase heater mode ^(AP)	P _{ck}	0,0	kW
Capacity control (indicate one of three options)^(AS)			
fixed ^(AT)		N	
staged ^(AU)		N	
variable ^(AV)		Y	
Contact details for obtaining more information^(BC)			

Item ^(K)	Symbol ^(L)	Value ^(M)	Unit ^(N)
Seasonal efficiency^(S)			
Cooling ^(D)	SEER	8,5	-
heating/Average ^(P)	SCOP/A	4,6	-
heating/Warmer ^(Q)	SCOP/W	-	-
heating/Colder ^(R)	SCOP/C	-	-
Declared energy efficiency ratio^(*), at indoor temperature 27(19) °C and outdoor temperature T_J^(U)			
T _J = 35 °C	EERd	4,1	-
T _J = 30 °C	EERd	6,5	-
T _J = 25 °C	EERd	10,6	-
T _J = 20 °C	EERd	14,7	-
Declared coefficient of performance^(*)/Average season, at indoor temperature 20 °C and outdoor temperature T_J^(W)			
T _J = -7 °C	COPd	2,8	-
T _J = 2 °C	COPd	4,7	-
T _J = 7 °C	COPd	6,2	-
T _J = 12 °C	COPd	7,6	-
T _J = bivalent temperature ^(AB)	COPd	2,8	-
T _J = operating limit ^(AC)	COPd	2,5	-
Declared coefficient of performance^(*)/Warmer season, at indoor temperature 20 °C and outdoor temperature T_J^(Y)			
T _J = 2 °C	COPd	-	-
T _J = 7 °C	COPd	-	-
T _J = 12 °C	COPd	-	-
T _J = bivalent temperature ^(AB)	COPd	-	-
T _J = operating limit ^(AC)	COPd	-	-
Declared coefficient of performance^(*)/Colder season, at indoor temperature 20 °C and outdoor temperature T_J^(AA)			
T _J = -7 °C	COPd	-	-
T _J = 2 °C	COPd	-	-
T _J = 7 °C	COPd	-	-
T _J = 12 °C	COPd	-	-
T _J = bivalent temperature ^(AB)	COPd	-	-
T _J = operating limit ^(AC)	COPd	-	-
T _J = -15 °C	COPd	-	-
Operating limit temperature^(AE)			
heating/Average ^(P)	T _{ol}	-10	°C
heating/Warmer ^(Q)	T _{ol}	-	°C
heating/Colder ^(R)	T _{ol}	-	°C
Cycling interval efficiency^(AG)			
for cooling ^(AH)	EER _{cycc}	-	-
for heating ^(AI)	COP _{cycc}	-	-
Degradation co-efficient heating ^{(**)(AK)}	C _{dh}	0,25	-
Annual electricity consumption^(AQ)			
Cooling ^(D)	Q _{CE}	205	kWh/a ^(AR)
heating/Average ^(P)	Q _{HE}	1270	kWh/a ^(AR)
heating/Warmer ^(Q)	Q _{HE}	-	kWh/a ^(AR)
heating/Colder ^(R)	Q _{HE}	-	kWh/a ^(AR)
Other items^(AW)			
Sound power level (indoor/outdoor) ^(AX)	L _{WA}	56/61	dB(A)
Global warming potential ^(AY)	GW _P ^(BA)	657	kgCO ₂ eq. ^(BB)
Rated air flow (indoor/outdoor) ^(AZ)	-	1370/2067	m ³ /h

BD * = For staged capacity units, two values divided by a slash (/) will be declared in each box in the section 'Declared capacity of the unit' and 'declared EER/COP' of unit.

BE ** = If default C_d = 0,25 is chosen then (results from) cycling tests are not required. Otherwise either the heating or cooling cycling test value is required.

