

SAMSUNG



Samsung Air Conditioner



2020 AIR CONDITIONER LINE-UP

COMMON CONCERNS WHEN USING AN AIR CONDITIONER



Health Concerns

“With the cold wind directly blowing at me, I usually get sore throat, colds and occasional headaches.”



High Electricity Bill

“Even if it’s hot, I had to limit my use of the aircon, because I’m scared of our electricity bill spiking up!”



Interrupted Sleep

“Because the direct cold air keeps hitting me at the middle of the night, most often than not I wake up and lose precious sleep.”



Slow Cooling

“There have been instances when I had to stay under my aircon just to instantly feel cool. I wish there was an easy way that I could get cool easily, once I step inside the room.”



Heightened Asthma & Allergy

“The direct wind triggers my asthma and allergies. I hate having to choose between feeling hot, or having allergies because of my aircon. When will I ever feel comfortable?”



Too Fragile

“It’s so stressful when my aircon breaks down easily in times when I need it the most, especially during hot months.”



THINGS TO CONSIDER WHEN BUYING AN AIR CONDITIONER



Space

The size of the room determines the volume of air that needs to be cooled. See table guide on the recommended capacity per room size.

COOLING CAPACITY	RECOMMENDED AREA (MAX)
1.0 HP	12 square meters
1.5 HP	17 square meters
2.0 HP	24 square meters
2.5 HP	30 square meters

Disclaimer: Recommended capacity are estimates based on the average room conditions of a bedroom. Capacity may vary depending on actual room condition.



Heat Source

Sun-exposed windows and walls can add up to the heat load of a room. Electrical appliances and lights, especially incandescent bulbs also emit heat that can affect needed capacity of your air conditioner.



Users

Consider the number of people who will be occupying the room. People emit body heat that can affect the cooling efficiency of the air conditioner. The more people in the room, the higher cooling needs.



Energy Efficiency

Choose an air conditioner with digital inverter technology to save energy. Samsung’s Digital Inverter Boost Technology maintains the desired temperature without frequently turning the compressor on and off, so there’s less fluctuation.



Noise

An air conditioner, especially in the bedroom, should have less noise to give the family a good night’s sleep. Samsung air conditioners work much more smoothly and quietly with its stable operation, producing less noise and vibration.

COMFORTABLE COOLING

Wind-Free™ Technology

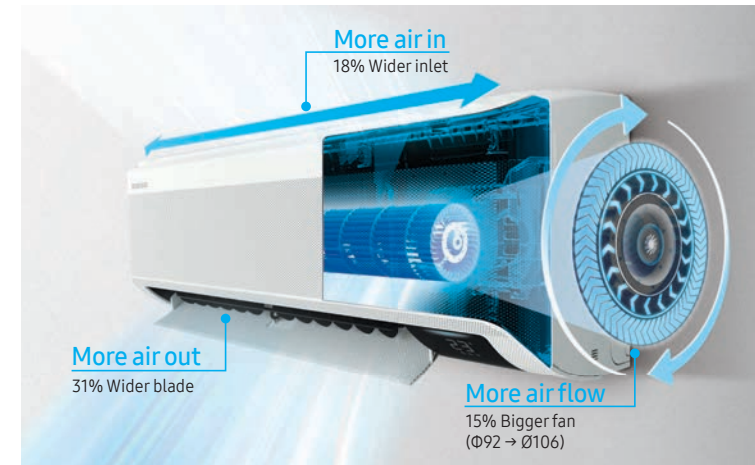
Wind-Free™ Cooling effectively maintains a comfortable level of coolness without the unpleasant feeling of direct cold wind. Cool air is gently dispersed through 23,000 micro holes creating a "Still Air environment", so you don't feel too hot or too cold.



FAST COOLING

Fast Cooling

Designed to cool faster, farther and wider.



The room cools faster because the Digital Inverter Boost technology dramatically shortens the time it takes for the compressor to reach maximum power.

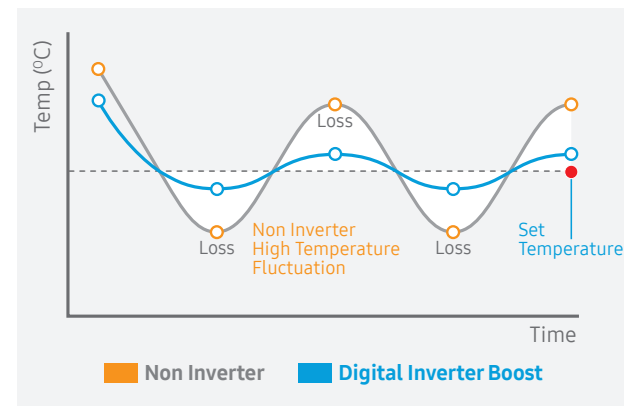
Its advanced design also has a 15% bigger fan, 18% wider inlet and a 31% wider blade. So cool air is dispersed farther and wider into every corner of a room, reaching up to 15 meters**.

* Tested on the AR12TXCAWKEU model compared with the Samsung conventional model AQ12EASER.
** Tested on the AR24TXCAWKNEU model.

ENERGY-SAVING

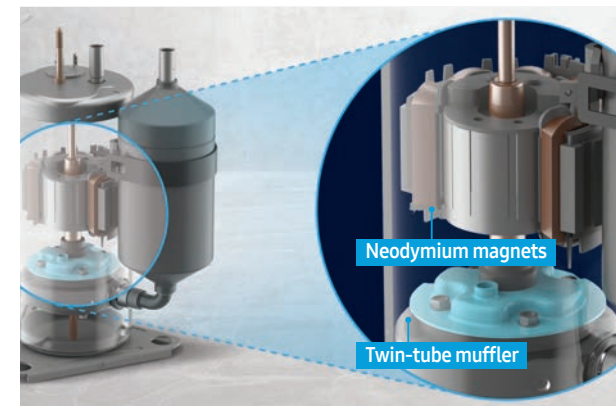
Digital Inverter Boost

Automatic compressor adjustment to save energy.



Save money everyday with the highly energy-efficient Digital Inverter Boost technology. Unlike conventional fixed-speed compressors, it maintains the desired temperature without frequently turning on and off, so there's less fluctuation.

* Tested on the AR09TXCAWKNEU model compared with the Samsung conventional model AQ09TSLXEA.

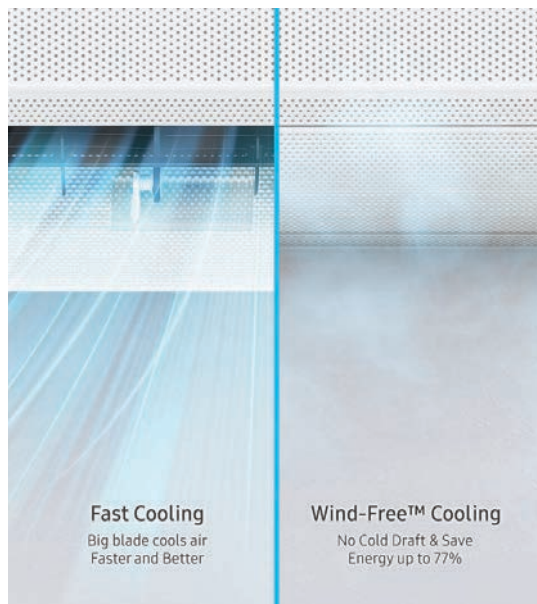


It also uses strong magnets made of neodymium and includes a twin tube muffler, so it works efficiently and produces less noise and vibration. It optimizes power usage when cooling to reduce energy consumption by up to 73%*.



Fast Cooling

The Wind-Free™ Air Conditioner cools the room like any other air conditioner once the unit is turned on. When it reaches the desired temperature, you can change the mode to Wind-Free Cooling.

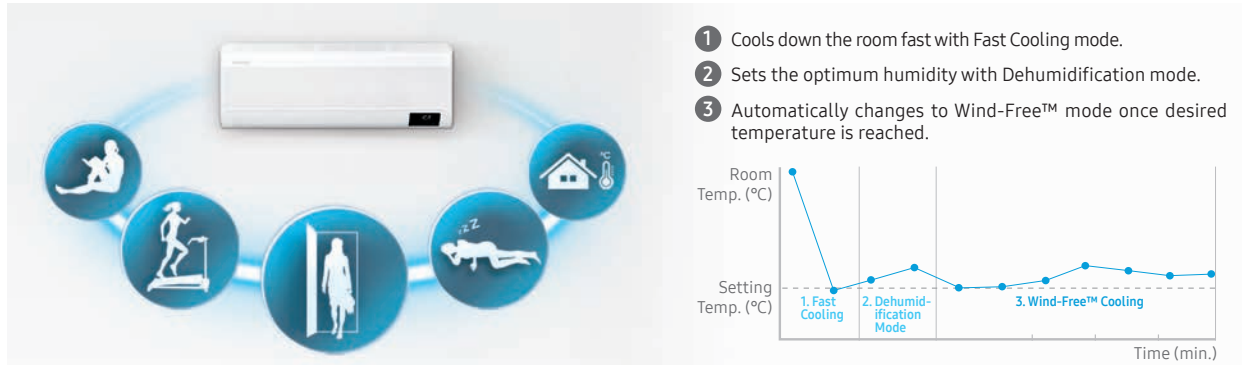


Wind-Free™ Cooling

Wind-Free™ Cooling mode can be set manually on the remote or the SmartThings app. AI Auto Cooling also functions to automatically change the mode depending on your usage pattern.

AI-Auto Cooling

Automatically optimizes the temperature by analyzing your usage behavior and living conditions.



Experience an intelligent way of living with AI Auto Cooling*. After connecting to your Samsung account, it automatically optimizes the various modes by analyzing the room condition and your usage patterns**. Based on your preferred temperature and the outside temperature, it automatically switches to the most appropriate mode, including Wind-Free™, Fast, and Normal Cooling, to maintain the optimal room conditions and keep you feeling comfortable.

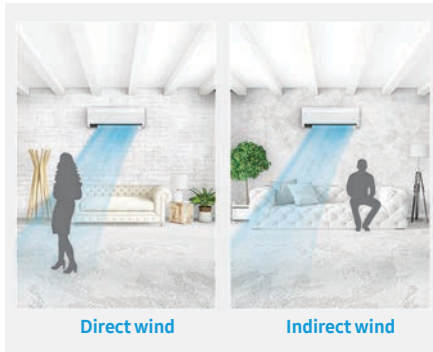
* A Wi-Fi connection and a Samsung account are required. ** Stores user data, preferences and usage patterns to suggest the most useful options.

Motion Detector Sensor

Cools efficiently based on your movement and preference.

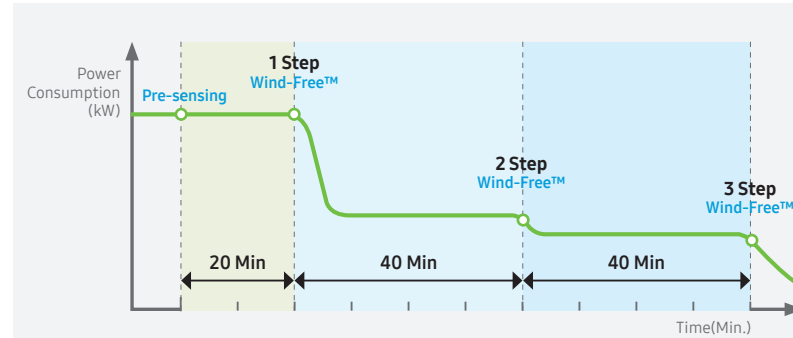
Airflow Control by Preference

Changes airflow direction based on your preference.



Energy Saving by Detecting Absence

Automatically switches to energy saving mode upon the absence of movement and switches back on when movement is detected.



* Tested normal option in motion saver (+20 min / +40 min / +40 min, Wind-Free™) compared accumulated power consumption for 3 hr in cool.

SmartThings

Control the air conditioner remotely and monitor its energy consumption from your mobile phone.



* Available on Android and iOS devices. A Wi-Fi connection and a Samsung account are required.

Voice Control

Control your Air Conditioner with voice recognition via Bixby 2.0.



* Certain models may not support voice control feature.

** Voice control supported in English (US, UK, Indian), Chinese, Korean, French, German, Italian Spanish and Portuguese.

Tri-Care Filter

Keep the air clean by capturing dust, viruses, bacteria and allergen. It includes a high-density filter that extracts large household dust particles, fibers and animal hairs. It also has a Zeolite Coating Filter that captures fine dust, and eliminates potentially dangerous viruses, bacteria and allergens.

* Tested in Korea test lab, Data has been measured under specific testing conditions and may vary depending on environmental factors and individual use.



99%
Anti-bacteria



99%
Anti-virus



98%
Anti-allergy

Easy Filter Plus

Easy filter plus is located outside, on top, so it can be easily removed and cleaned.

A clean filter keeps air contaminants from circulating. Thus, reducing the risk of allergic reactions, sneezing, and coughing



Easy to detach



Easy to clean



ENVIRONMENT-FRIENDLY

R32 Refrigerant

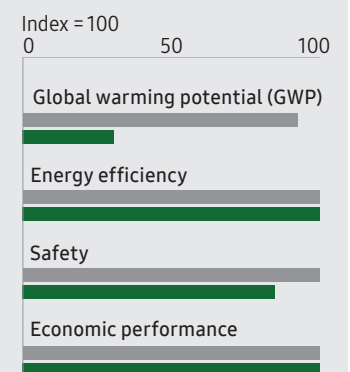
Samsung presents a new era of air conditioners with R32 refrigerant to help protect the ozone layer and address global warming.

Why is R32 refrigerant better?

- 1 Lower Global Warming Potential compared to R410A used by conventional models.
- 2 High Refrigeration Capacity and Thermal conductivity, meaning maximum efficiency and 30% reduction in changing volume.
- 3 Non-toxic and easy-to-recycle.
- 4 Zero Ozone Depletion Potential (ODP)

Environmental impact: R410A compared to R32

- R410A (HFC): Refrigerants currently used in industrialised countries
- R32 (HFC): Next-generation refrigerants



Triple Protector Plus

Long-lasting performance with advanced durability and protection from power surges.

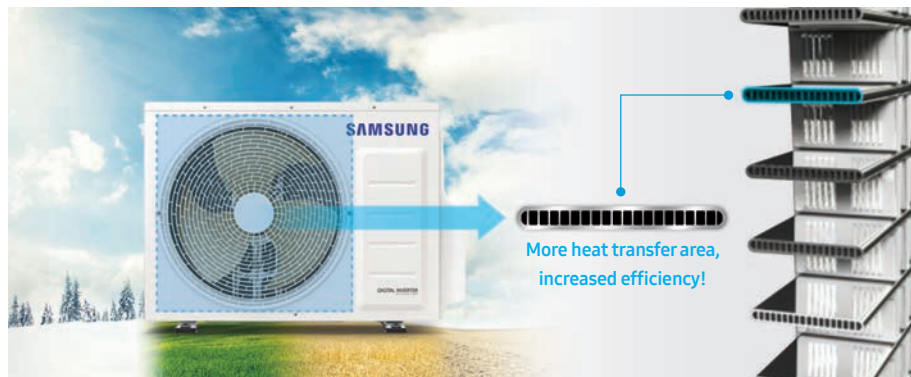


* Normal Working Range : 187Vac ~ 265Vac
 * The voltage value may different because the voltage ripple value is different depending on the load
 * Tested on the AR12TXEAAWKNEU model compared with the Samsung conventional model AS18FCMID.
 * Tested on the AR10TYCABWKNST model compared with the Samsung conventional model AS18FCMID.

- 1 Compressor Protector** prevents damage from unstable electrical condition and low voltage.
- 2 Controller Protector** adjusts to avoid breakdown from voltage surge.
- 3 Fin Protection** has multi-channel condenser designed with strong corrosion-resistant material to protect from rusting even in harsh condition.

DuraFin™

Maintains the performance and efficiency of the heat exchanger without becoming corroded.



DuraFin™ heat exchanger

Enhance the performance and efficiency of the Heat Exchanger using the DuraFin™. It is made of a much denser material and is thicker in design. Its improved coating also has more corrosion resistance. DuraFin™ passed the accelerated Sea Water Acetic Acid Test (SWAAT) for corrosion over 100 days*.

* Based on the AR13TYHYBWKNST model compared with the Samsung conventional model AR18JRFNFWK.

10 Year Warranty Compressor

The Digital Inverter Compressor provides more credible durability with its 10 year warranty.



Samsung also offers 1 year warranty for parts & labor on all wall-mounted split-type air conditioners.



WIND-FREE PLUS				Net Dimension (WxHxD, mm)	
Capacity (HP)	Model	SRP	Cooling Capacity (Min-Max), Btu/hr	Indoor	Outdoor
1.0 HP	AR10TYCAGWKNTC	P 49,995	10,550 (3,692-13,715)	820 x 299 x 215	790 x 548 x 285
1.5 HP	AR13TYCAGWKNTC	P 53,995	12,660 (3,692-14,770)	820 x 299 x 215	790 x 548 x 285
2.0 HP	AR18TYCAGWKNTC	P 64,995	19,000 (5,480-23,700)	1055 x 299 x 215	790 x 548 x 285
2.5 HP	AR24TYCAGWKNTC	P 73,995	23,400 (5,000-27,000)	1055 x 299 x 215	880 x 638 x 310

PREMIUM INVERTER WIND-FREE PLUS



- Wind-Free™ Cooling
- AI Auto Cooling
- Motion Detector Sensor
- Smart Wi-Fi
- Digital Inverter Boost
- Fast Cooling Mode
- Tri-Care Filter
- DuraFin™
- Dehumidification Mode
- 10-Year Warranty on Compressor

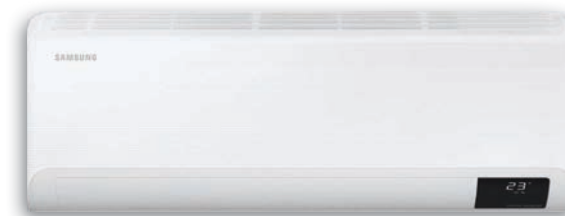


WIND-FREE				Net Dimension (WxHxD, mm)	
Capacity (HP)	Model	SRP	Cooling Capacity (Min-Max), Btu/hr	Indoor	Outdoor
1.0 HP	AR09TYGCGWKNTC	P 39,995	10,200 (5,000-13,860)	820 x 299 x 215	720 x 548 x 265
1.5 HP	AR12TYGCGWKNTC	P 43,995	12,660 (5,000-14,000)	820 x 299 x 215	720 x 548 x 265
2.0 HP	AR18TYGCGWKNTC	P 54,995	19,000 (5,480-23,700)	1055 x 299 x 215	790 x 548 x 285
2.5 HP	AR24TYGCGWKNTC	P 63,995	23,400 (5,000-27,000)	1055 x 299 x 215	880 x 638 x 310

BASIC INVERTER WIND-FREE



- Wind-Free™ Cooling
- Digital Inverter Boost
- Tri-Care Filter
- Easy Filter Plus
- DuraFin™
- Triple Protector Plus
- Dehumidification Mode
- Fast Cooling Mode
- Eco Mode
- 10-Year Warranty on Compressor



S-INVERTER				Net Dimension (WxHxD, mm)	
Capacity (HP)	Model	SRP	Cooling Capacity (Min-Max), Btu/hr	Indoor	Outdoor
1.0 HP	AR09TYHYEWKNTC	P 29,995	9,917 (4,650-11,400)	820 x 299 x 215	660 x 475 x 242
1.5 HP	AR12TYHYEWKNTC	P 33,995	12,660 (4,750-14,770)	820 x 299 x 215	660 x 475 x 242
2.0 HP	AR18TYHYEWKNTC	P 44,995	19,000 (7,900-21,500)	820 x 299 x 215	660 x 475 x 242
2.5 HP	AR24TYHYEWKNTC	P 53,995	23,400 (5,000-27,000)	1055 x 299 x 215	880 x 638 x 310

BASIC INVERTER S-INVERTER



- Digital Inverter Boost
- Fast Cooling Mode
- Triple Protector Plus
- Easy Filter Plus
- DuraFin™
- Dehumidification Mode
- Quiet Mode
- R32 Refrigerant
- 10-Year Warranty on Compressor



ROOM AIR CONDITIONER INSTALLATION SUBSIDY

WHEN YOU BUY ANY PARTICIPATING SAMSUNG WALL MOUNTED AIR CONDITIONER FROM SELECT DEALERS

When availing from dealers with in-house aircon installers, discount will be reflected in their installation quotation. When availing from dealers without in-house aircon installers, discount will be outright deduction from the unit price.



PREMIUM INVERTER : WIND-FREE PLUS



BASIC INVERTER : WIND-FREE



BASIC INVERTER : S-INVERTER

Promo is from May 1 - December 31, 2020

Per DTI FTEB Permit No. 05874, Series of 2020.
Terms and conditions apply.



Need help on installation or knowing which capacity is right for you?
Please contact our toll free number at the back.

SPLIT TYPE FLOOR STANDING



MIRAGE BASIC INVERTER

- Digital Inverter Technology
- Full HD Filter
- Turbo Cooling
- Dehumidifier
- 4-Way Air Swing
- Auto Shutter
- Anti Corrosion Fin
- Touch Display Panel
- 5-Year Warranty on Compressor



MIRAGE				Net Dimension (WxHxD, mm)	
Capacity (HP)	Model	SRP	Cooling Capacity (Min-Max), Btu/hr	Indoor	Outdoor
4.0 HP	AF36MV1MAEENTC	P 114,995	36,100 (7,300 - 38,000)	610 x 1850 x 400	880 x 798 x 310
5.0 HP	AF48MV1MAEENTC	P 154,995	48,600 (14,000 - 56,000)	610 x 1850 x 400	940 x 1210 x 330



Digital Inverter

The Digital Inverter Technology maintains the desired temperature without frequently shutting the compressor on and off, consuming up to 70% less energy versus non-inverters.



Dehumidifier

The built-in dehumidifier reduces humidity in the air, safeguarding your home from bacteria and mold.



Full HD Filter

The full high density filter can collect up to 60% of bacteria, dust and other allergens.

SAMSUNG

System Air Conditioner



GREENWOOD FISH MARKET
SINGAPORE



Ceiling design by Hawkins Brown



Round design, Even cooling

BENEFITS OF SAMSUNG COMMERCIAL AIR CONDITIONERS

Samsung's CAC air conditioning systems use advanced technologies to ensure optimal comfort in almost any commercial environment, with a superior performance and near-silent operation, while also minimizing running costs and energy consumption.

Eco-Friendliness

Help to conserve the ozone layer and minimize global warming with a next generation refrigerant.

High Energy Efficiency

Reduce energy consumption and costs with a dual inverter system featuring simultaneous compressor operation for higher performance.

Quick and Efficient Cooling

Enjoy a comfortable environment even in extreme climates with advanced temperature control and a rapid cooling performance.

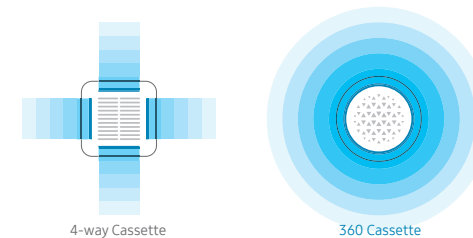
Wide Range of Indoor Units

A universal outdoor unit with various capacities supports many types of indoor unit. Connect up to four indoor units with a single outdoor unit.

Versatile Piping Installation

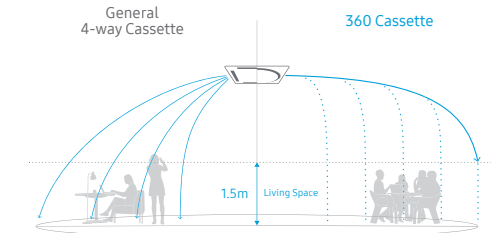
Install more easily with a flexible piping system allowing 4 different pipe directions.

Cold-draft Free



Comfortable airflow helps avoid cold-draft.

Omni-Directional Air Outlet



Evenly circulates air and cools every corner.

First Circular Cassette Design



Innovative and elegant design adds value to any existing space.

Bladeless Design Ensures No Loss of Airflow

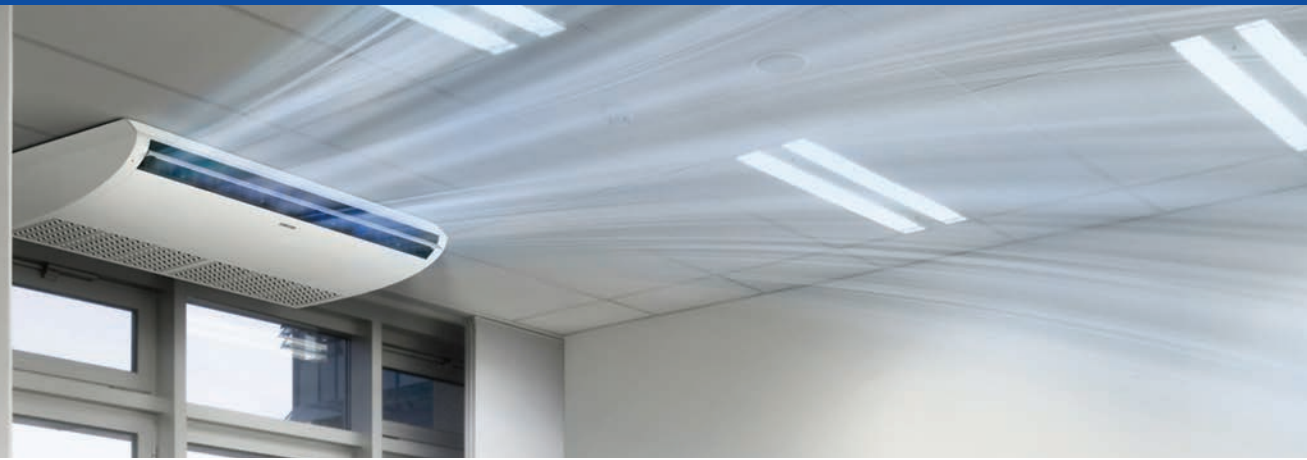


Bladeless outlet provides 100% of air volume without any loss.

Samsung 360 Casette Air Conditioner

With its elegant circular design, it blends easily into any setting. 360° airflow ensures even, draft-free cooling, reaching every corner of the room.

COMMERCIAL AIR CONDITIONERS



360 CASSETTE



- Cold-draft Free
- 360 degree airflow
- World's first circular design
- Bladeless air outlet
- Stylish design
- Customizable panel design
- Circular LED display window
- Easy to install

360 CASSETTE			Dimension (WxHxD, mm)		
Capacity (HP)	Model	SRP	Cooling Capacity (Min-Max), Btu/hr	Indoor	Outdoor
2.5 HP	AC024MN4PKH/VN	P112,000	24,000 (7,500 - 28,500)	947 x 281 x 947	880 x 798 x 310
4.0 HP	AC036MN4PKH/VN	P151,000	34,000 (10,200 - 40,900)	947 x 365 x 947	940 x 998 x 330
6.0 HP	AC048MN4PKH/VN	P180,000	46,000 (11,900 - 52,900)	947 x 365 x 947	940 x 1210 x 330

*SRP based on white panel.
** Additional P5,000 for black panel.



4-WAY CASSETTE



- Fast cooling
- Comfortable temperature
- Easy air flow distribution
- Lightweight design
- Optimal airflow for high ceilings
- Easy-to-clean blades
- Individual blade control
- Flexible pipe installation

4-WAY CASSETTE			Dimension (WxHxD, mm)		
Capacity (HP)	Model	SRP	Cooling Capacity (Min-Max), Btu/hr	Indoor	Outdoor
2.5 HP	AC024MN4DKH/VN	P99,500	24,000 (7,500 - 28,500)	840 x 204 x 840	880 x 798 x 310
4.0 HP	AC036MN4DKH/VN	P137,500	34,000 (10,200 - 40,900)	840 x 288 x 840	940 x 998 x 330
5.0 HP	AC048MN4DKH/VN	P165,500	46,000 (11,900 - 52,900)	840 x 288 x 840	940 x 1210 x 330
6.0 HP	AC054MN4DKH/VN	P178,500	50,000 (12,000 - 59,000)	840 x 288 x 840	940 x 1420 x 330



CEILING SUSPENDED



- Powerful cooling performance
- Wide and long distance cooling
- Lower noise level
- Filter dust alarm
- Up to 15m elevation for installation
- Slim and compact design
- 2-way installation options
- 5-year warranty on compressor

CEILING SUSPENDED			Dimension (WxHxD, mm)		
Capacity (HP)	Model	SRP	Cooling Capacity (Min-Max), Btu/hr	Indoor	Outdoor
4.0 HP	AC036MNC DKH/VN	P154,500	34,100 (10,200 - 40,900)	1650 x 235 x 675	940 x 998 x 330
5.0 HP	AC048MNC DKH/VN	P179,500	45,700 (11,900 - 52,900)	1650 x 235 x 675	940 x 1210 x 330
6.0 HP	AC054MNC DKH/VN	P192,500	52,200 (14,700 - 60,000)	1650 x 235 x 675	940 x 1420 x 330



CEILING CONCEALED DUCTED



- Powerful cooling performance
- Aero-dynamic blade
- Wide range of ESP (External Static Pressure)
- Twin rotary BLDC compressor
- 3-way service access
- Compact and lightweight design
- Slim design (Narrow width)
- 5-year warranty on compressor

CEILING CONCEALED DUCTED			Dimension (WxHxD, mm)		
Capacity (HP)	Model	SRP	Cooling Capacity (Min-Max), Btu/hr	Indoor	Outdoor
2.0 HP	AC018MNM DKH/VN	P90,500	18,000 (3,750 - 21,000)	850 x 250 x 700	880 x 638 x 310
2.5 HP	AC024MNM DKH/VN	P99,500	24,200 (7,500 - 28,500)	850 x 250 x 700	880 x 798 x 310
4.0 HP	AC036MNM DKH/VN	P139,500	34,100 (10,200 - 40,900)	1200 x 250 x 700	940 x 998 x 330
5.0 HP	AC048MNM DKH/VN	P168,500	45,700 (11,900 - 52,900)	1300 x 300 x 700	940 x 1210 x 330
6.0 HP	AC054MNM DKH/VN	P190,500	52,200 (14,700 - 60,000)	1200 x 360 x 650	940 x 1420 x 330

*All models in 220V except when indicated otherwise.



Cold-draft Free

A bladeless design softly disperses cool air across the room, making you comfortably cool without feeling a cold draft.



360 Degree Airflow

The Samsung circular 360 cassettes blow cool air in all directions to evenly circulate and cool every corner of the room preventing creation of areas with uneven airflow where cool air can't reach.



Samsung's 1st Circular Design

Samsung's 1st circular cassette has an innovative circular design that can match a multitude of interior designs, so it perfectly fits in everywhere.



Powerful Cooling

Its simple and stylish indoor unit delivers a powerful cooling performance. It cools a larger area much faster as well as blending harmoniously into any workplace.



Wide and Long Distance Cooling

Samsung Big Ceiling air conditioner's powerful cooling means you can cool a larger space in shorter time. It blows cool air over a distance of 15m.



Lower Noise Level

An enlarged blade, single motor and enhanced fan make its noise level lower than other conventional models.

Wind-Free Plus Specifications

Wind-Free Plus		Indoor Unit		AR24TYCAGWKNTC	AR18TYCAGWKNTC	AR13TYCAGWKNTC	AR10TYCAGWKNTC
		Outdoor Unit		AR24TYCAGWKXTC	AR18TYCAGWKXTC	AR13TYCAGWKXTC	AR10TYCAGWKXTC
Performance	EER/COP [kJ/hW]		EER (Cooling)	11.70	12.50	13.19	14.26
	CSPF			4.90	5.33	6.04	6.45
	Air Circulation (Max) [m ² /min]			179	179	11.2	10.7
	Moisture Removal [L/hr]			2.5	2.0	1.5	1.0
Electrical Data	Energy Efficiency	Operating Current (Cooling) [A]		8.8	7.2	4.6	3.6
		Power Consumption (Cooling) [W]		2,000 W	1,520 W	960 W	740 W
	Power Source	Power Source [V,Hz,Φ]		220~240V/60Hz/1P	220~240V/60Hz/1P	220~240V/60Hz/1P	220~240V/60Hz/1P
Physical Specification	Weight (kg)	Net	Indoor	11.6	11.7	9.1	9.1
			Outdoor	35.6	30.1	26.3	26.3
W/O Pipe	Set (20/40ft/40ft HC)			65 / 138 / 154	80 / 168 / 198	87 / 182 / 216	87 / 182 / 216
	Indoor (20/40ft/40ft HC)			240 / 496 / 550	240 / 496 / 550	304 / 640 / 720	304 / 640 / 720
	Outdoor (20/40ft/40ft HC)			90 / 189 / 189	196 / 400 / 400	111 / 234 / 312	111 / 234 / 312
Technical Information	Piping Length & Height	Piping Length (Max) [m]		30	30	15	15
		Piping Height (Max) [m]		15	15	8	8
	Refrigerant Type	Refrigerant Type		R32	R32	R32	R32
		Factory Charging [kg]		0.80	0.73	0.65	0.65
	SVC Valve	SVC Valve (Liquid) [ODxL]		6.35	6.35	6.35	6.35
		SVC Valve (Gas) [ODxL]		15.88	12.7	9.52	9.52
General Feature	Airflow	Wind-Free		•	•	•	•
		Air Direction Control	(Up/Down)	Auto	Auto	Auto	Auto
			(Left/Right)	Auto	Auto	Auto	Auto
		Air Flow Control Step (Cool/Fan)		5/4	5/4	5/4	5/4
		Auto Fan speed		•	•	•	•
	Air Purification	Easy Filter Plus	Anti-Bacteria	•	•	•	•
		Tri-Care Filter	Anti-Bacteria/Anti-Virus/Anti-Allergy	•	•	•	•
		Auto Clean (Self Cleaning)		•	•	•	•
	Convenience	Smart Things		•	•	•	•
		MDS (Motion Detect Sensor)		•	•	•	•
Filter Cleaning Indicator		•	•	•	•		
Indoor Temp. Display		•	•	•	•		
Remote Controller		Spec (Temp)	Setting Temp.	Setting Temp.	Setting Temp.	Setting Temp.	
		Holder	RS-3	RS-3	RS-3	RS-3	
				•	•	•	
888 or 88 Display		All off	All off	All off	All off		
		LED Display	All off	All off	All off		
Beep On/Off		•	•	•	•		
24-Hour Timer / Real Timer		24 Hr	24 Hr	24 Hr	24 Hr		
Auto Restart		•	•	•	•		
Low Ambient	Condition		T1	T1	T1	T1	
	Cooling (C °)		16~46	16~46	16~46	16~46	
Operating Mode	Auto Mode	AI Auto with WIFI & MDS (direct/Indirect)		•	•	•	•
		W/O Wifi		NO	NO	NO	NO
	Fast Cool		•	•	•	•	
	Good Sleep		•	•	•	•	
	Eco mode		•	•	•	•	
	Dehumidification		•	•	•	•	
	Fan Mode		•	•	•	•	
	Quiet		•	•	•	•	
	Outdoor Unit & PBA	Compressor Type		BLDC	BLDC	BLDC	BLDC
		Triple Protector	Anti-Corrosion Fin	•	•	•	•
Compressor Protector			•	•	•	•	
PBA Protector			•	•	•	•	
Condensor Type		PFC 1.4	PFC 1.4	PFC 1.4	PFC 1.4		
Windows Display	Type		88 Display + 3 LED	88 Display + 3 LED	88 Display + 3 LED	88 Display + 3 LED	
	LED Spec	AI		AI	AI	AI	
		Timer		Timer	Timer	Timer	
		Wi-Fi		Wi-Fi	Wi-Fi	Wi-Fi	

Wind-Free Specifications

Wind-Free Plus		Indoor Unit		AR24TYGCGWKNTC	AR18TYGCGWKNTC	AR12TYGCGWKNTC	AR09TYGCGWKNTC
		Outdoor Unit		AR24TYGCGWKXTC	AR18TYGCGWKXTC	AR12TYGCGWKXTC	AR09TYGCGWKXTC
Performance	EER/COP [kJ/hW]		EER (Cooling)	11.70	12.50	12.06	12.00
	CSPF			17.9	17.9	11.2	10.7
	Air Circulation (Max) [m ² /min]			2.5	2.0	1.5	1
	Moisture Removal [L/hr]			8.8	7.2	7.0	5.5
Electrical Data	Energy Efficiency	Operating Current (Cooling) [A]		2,000	1,520	1,050	850
		Power Consumption (Cooling) [W]		220~240V/60Hz/1P	220~240V/60Hz/1P	220~240V/60Hz/1P	220~240V/60Hz/1P
	Power Source	Power Source [V,Hz,Φ]		11.6	11.7	9.2	9.2
Physical Specification	Weight (kg)	Net	Indoor	35.6	30.1	23.2	23.2
			Outdoor	35.6	30.1	26.3	26.3
W/O Pipe	Set (20/40ft/40ft HC)			65 / 138 / 154	80 / 168 / 198	96 / 197 / 232	96 / 197 / 232
	Indoor (20/40ft/40ft HC)			240 / 496 / 550	240 / 496 / 550	304 / 640 / 720	304 / 640 / 720
	Outdoor (20/40ft/40ft HC)			90 / 189 / 189	196 / 400 / 400	126 / 267 / 356	126 / 267 / 356
Technical Information	Piping Length & Height	Piping Length (Max) [m]		30	30	15	15
		Piping Height (Max) [m]		15	15	7	7
	Refrigerant Type	Refrigerant Type		R32	R32	R32	R32
		Factory Charging [kg]		0.80	0.73	0.55	0.55
	SVC Valve	SVC Valve (Liquid) [ODxL]		6.35	6.35	6.35	6.35
		SVC Valve (Gas) [ODxL]		15.88	12.7	9.52	9.52
General Feature	Airflow	Wind-Free		•	•	•	•
		Air Direction Control	(Up/Down)	Auto	Auto	Auto	Auto
			(Left/Right)	Auto	Auto	Auto	Auto
		Air Flow Control Step (Cool/Fan)		5/4	5/4	5/4	5/4
		Auto Fan speed		•	•	•	•
	Air Purification	Easy Filter Plus	Anti-Bacteria	•	•	•	•
		Tri-Care Filter	Anti-Bacteria/Anti-Virus/Anti-Allergy	•	•	•	•
		Auto Clean (Self Cleaning)		•	•	•	•
	Convenience	Smart Things		NO	NO	NO	NO
		MDS (Motion Detect Sensor)		NO	NO	NO	NO
Filter Cleaning Indicator		•	•	•	•		
Indoor Temp. Display		•	•	•	•		
Remote Controller		Spec (Temp)	Setting Temp.	Setting Temp.	Setting Temp.	Setting Temp.	
		Holder	RS-3	RS-3	RS-3	RS-3	
				•	•	•	
888 or 88 Display		All off	All off	All off	All off		
		LED Display	All off	All off	All off		
Beep On/Off		•	•	•	•		
24-Hour Timer / Real Timer		24 Hr	24 Hr	24 Hr	24 Hr		
Auto Restart		•	•	•	•		
Low Ambient	Condition		T1	T1	T1	T1	
	Cooling (C °)		16~46	16~46	16~46	16~46	
Operating Mode	Auto Mode	AI Auto with WIFI & MDS (direct/Indirect)		NO	NO	NO	NO
		W/O Wifi		•	•	•	•
	Fast Cool		•	•	•	•	
	Good Sleep		•	•	•	•	
	Eco mode		•	•	•	•	
	Dehumidification		•	•	•	•	
	Fan Mode		•	•	•	•	
	Quiet		•	•	•	•	
	Outdoor Unit & PBA	Compressor Type		BLDC	BLDC	BLDC	BLDC
		Triple Protector	Anti-Corrosion Fin	•	•	•	•
Compressor Protector			•	•	•	•	
PBA Protector			•	•	•	•	
Condensor Type		PFC 1.4	PFC 1.4	PFC 1.4	PFC 1.4		
Windows Display	Type		88 Display + 2 LED	88 Display + 2 LED	88 Display + 2 LED	88 Display + 2 LED	
	LED Spec	Timer		Timer	Timer	Timer	
		NO		NO	NO	NO	
		NO		NO	NO	NO	

S-Inverter Specifications

Wind-Free Plus		Indoor Unit		AR24TYHYEWKNTC	AR18TYHYEWKNTC	AR13TYHYEWKNTC	AR10TYHYEWKNTC
		Outdoor Unit		AR24TYHYEWKXTC	AR18TYHYEWKXTC	AR13TYHYEWKXTC	AR10TYHYEWKXTC
Performance	EER/COP [kJ/hW]		EER (Cooling)	11.70	11.05	10.13	10.84
	CSPF			18.6	14.2	10.9	8.1
	Air Circulation (Max) [m ² /min]			2.5	2.0	1.5	1.0
	Moisture Removal [L/hr]			8.8	11.5	8.0	6.5
Electrical Data	Energy Efficiency	Operating Current (Cooling) [A]		2000	1720	1,250	915
		Power Consumption (Cooling) [W]		220~240V/60Hz/1P	220~240V/60Hz/1P	220~240V/60Hz/1P	220~240V/60Hz/1P
Physical Specification	Power Source	Power Source [V,Hz,Φ]		11.5	10.2	9.2	8.6
		Weight (kg)	Net	Indoor	35.3	30.2	19.3
W/O Pipe			Indoor	Outdoor	35.6	30.1	26.3
		Set (20/40ft/40ft HC)		65 / 138 / 154	120 / 248 / 280	120 / 248 / 280	120 / 248 / 280
		Indoor (20/40ft/40ft HC)		240 / 496 / 550	304 / 640 / 720	304 / 640 / 720	304 / 640 / 720
Outdoor (20/40ft/40ft HC)		90 / 189 / 189	196 / 400 / 400	196 / 400 / 400	196 / 400 / 400		
Technical Information	Piping Length & Height	Piping Length (Max) [m]		30	20	15	15
		Piping Height (Max) [m]		15	12	7	7
	Refrigerant Type	Refrigerant Type		R32	R32	R32	R32
		Factory Charging [kg]		0.80	0.70	0.50	0.50
SVC Valve	SVC Valve (Liquid) [ODxL]		6.35	6.35	6.35	6.35	
	SVC Valve (Gas) [ODxL]		15.88	12.7	9.52	9.52	
General Feature	Airflow	Wind-Free		NO	NO	NO	NO
		Air Direction Control	(Up/Down)	Auto	Auto	Auto	Auto
			(Left/Right)	Auto	Auto	Auto	Auto
		Air Flow Control Step (Cool/Fan)		5/4	5/4	5/4	5/4
		Auto Fan speed		●	●	●	●
	Air Purification	Easy Filter Plus		Anti-Bacteria	●	●	●
		Tri-Care Filter	Anti-Bacteria/Anti-Virus/Anti-Allergy	NO	NO	NO	NO
		Auto Clean (Self Cleaning)		●	●	●	●
	Convenience	Smart Things		NO	NO	NO	NO
		MDS (Motion Detect Sensor)		NO	NO	NO	NO
Filter Cleaning Indicator		●	●	●	●		
Indoor Temp. Display		●	●	●	●		
Remote Controller		Spec (Temp)	Setting Temp.	Setting Temp.	Setting Temp.	Setting Temp.	
			RS-3	RS-3	RS-3	RS-3	
		Holder	●	●	●	●	
			888 or 88 Display	All off	All off	All off	All off
LED Display		All off	All off	All off	All off		
Beep On/Off		●	●	●	●		
24-Hour Timer / Real Timer		24 Hr	24 Hr	24 Hr	24 Hr		
Auto Restart		●	●	●	●		
Low Ambient	Condition		T1	T1	T1	T1	
	Cooling (C °)		16~46	16~46	16~46	16~46	
Operating Mode	Auto Mode	AI Auto with WIFI & MDS (direct/Indirect)		NO	NO	NO	NO
		W/O Wifi		●	●	●	●
	Fast Cool		●	●	●	●	
	Good Sleep		●	●	●	●	
	Eco mode		●	●	●	●	
	Dehumidification		●	●	●	●	
	Fan Mode		●	●	●	●	
	Quiet		●	●	●	●	
Outdoor Unit & PBA	Compressor Type		BLDC	BLDC	BLDC	BLDC	
	Triple Protector	Anti-Corrosion Fin		●	●	●	●
		Compressor Protector		●	●	●	●
		PBA Protector		●	●	●	●
Condensator Type		PFC 1.4	PFC 1.4	PFC 1.4	PFC 1.4		
Windows Display	Type		88 Display + 2 LED	88 Display + 2 LED	88 Display + 2 LED	88 Display + 2 LED	
	LED Spec		NO	NO	NO	NO	
	Timer		NO	NO	NO	NO	

Floor Standing Specifications

Floor Standing	Indoor Unit		AF48MV1MAEENTC	AF36MV1MAEENTC
	Outdoor Unit		AF48MV1MAEEXTC	AF36MV1MAEEXTC
Capacity [kJ/h]	Cooling		48,600 kJ/h	36,100 kJ/h
	Cooling (Min-Max)		14,000 ~ 56,000 kJ/h	7,300 ~ 38,000 kJ/h
Performance	Air Circulation (Max) [m ² /min]		36 m ² /min	27 m ² /min
	Moisture Removal [L/hr]		5.09 L/hr	3.72 L/hr
Noise Level Pressure [dBA]	Indoor High/Low		51 dBA	45 dBA
	Outdoor High		53 dBA	51 dBA
Electrical Data	Operating Current (Cooling) [A]		22.4 A	16.8 A
	Power Consumption (Cooling) [W]		5,180 W	3,900 W
	Power Source [Φ,V,Hz]		1,220-240,50/60	1,220-240,50/60
Technical Information	Piping Length (Max) [m]		75 m	50 m
	Piping Height (Max) [m]		30 m	30 m
	Refrigerant Type		R410A	R410A
	Factory Charging [kg]		2.9 kg	1.5 kg
	SVC Valve (Liquid) [ODxL]		9.52 (3/8")	9.52 (3/8")
	SVC Valve (Gas) [ODxL]		15.88 (5/8")	15.88 (5/8")
	Compressor Type		Twin BLDC Rotary	Twin BLDC Rotary
	Condenser Type		F&T	PFC
	Low Ambient (Cooling) [°C]		-15 ~ 46 °C	-15 ~ 46 °C
	Physical Specifications	Net Dimensions (Indoor, WxHxD) [mm]		610 x 1850 x 400 mm
Net Dimensions (Outdoor, WxHxD) [mm]		940 x 1210 x 330 mm	880 x 798 x 310 mm	
Net Weight (Indoor) [kg]		45 kg	43 kg	
Net Weight (Outdoor) [kg]		85.5 kg	51 kg	
Air Flow	Air Direction Control (Up/Down)		AUTO	AUTO
	Air Direction Control (Left/Right)		AUTO	AUTO
	Air Flow Control Step (Cool/Fan)		4	4
	Auto Fan speed		✓	✓
Air Purification	Pre-Filter		✓	✓
	Full HD Filter		✓	✓
Operating Mode	Dehumidification		✓	✓
	Fan Mode		✓	✓
	Turbo Mode		✓	✓
Convenience	(Display On/Off) 88 Display LED		✓	✓
	Beep On/Off		✓	✓
	Indoor Temp. Display		✓	✓
	24-Hour Timer		✓	✓
	Auto Restart		✓	✓
	Remote Controller		✓	✓
Outdoor Unit & PBA (Triple Protector)	Anti-Corrosion Fin		✓	✓

360 Cassette Specifications

360 CASSETTE	Indoor Unit	AC024MN4PKH/VN	AC036MN4PKH/VN	AC048MN4PKH/VN
	Outdoor Unit	AC024MXADKH/VN	AC036MXADKH/VN	AC048MXADKH/VN
System	Mode	Heat pump	Heat pump	Heat pump
Capacity	Cooling [kW]	2.20/7.03/8.35 kW	3.00/9.96/12.00 kW	3.50/13.48/15.50 kW
	Cooling [Btu/h]	7,500/24,000/28,500 Btu/h	10,200/34,000/40,900 Btu/h	11,900/46,000/52,900 Btu/h
	Heating [kW]	1.90/7.91/9.38 kW	2.20/11.14/15.50 kW	3.50/15.53/18.00 kW
	Heating [Btu/h]	6,500/27,000/32,000 Btu/h	7,500/38,000/52,900 Btu/h	11,900/53,000/61,400 Btu/h
Power Input (Nominal)	Cooling 1)	0.35/2.47/3.45 kW	0.60/3.38/4.70 kW	0.80/4.47/6.44 kW
	Heating 2)	0.35/2.40/3.5 kW	0.46/3.12/5.40 kW	0.70/4.55/7.36 kW
Current Input (Nominal)	Cooling 1)	2.0/11.2/15.0 A	3.00/15.10/20.40 A	3.70/20.00/28.00 A
	Heating 2)	2.0/10.9/15.5 A	2.50/14.60/23.00 A	3.50/19.50/32.00 A
Power	MCA [A]	21.5 A	25.5 A	33.5 A
	MFA [A]	25.0 A	30.0 A	40.0 A
Energy Efficiency	EER (Nominal Cooling)	2.85	2.94	3.01
	COP (Nominal Heating)	3.3	3.56	3.41
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm	9.52 mm	9.52 mm
	Liquid Pipe (Φ, inch)	1/4"	3/8"	3/8"
	Gas Pipe (Φ, mm)	15.88 mm	15.88 mm	15.88 mm
	Gas Pipe (Φ, inch)	5/8"	5/8"	5/8"
	Installation Max. Length [m]	50 m	50 m	75 m
	Installation Max. Height [m]	30 m	30 m	30 m
Field Wiring	Transmission Cable	0.75↑	0.75	0.75
Refrigerant	Type	R410A	R410A	R410A
	Control Method	EEV	EEV	EEV
	Factory Charging (kg)	2.0 kg	3.0 kg	3.4 kg
	Power Supply (Indoor Unit) [Φ, #, V, Hz]	1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60
Fan	Type	Turbo Fan	Turbo Fan	Turbo Fan
	Motor (Output) [W]	65 W	97 W	97 W
	Number of Unit (EA)	1 EA	1 EA	1 EA
	Air Flow Rate (High / Mid / Low) [CMM]	17.5/15.9/14.3 CMM	31.20/25.50/19.80 CMM	32.40/27.10/22.80 CMM
	Air Flow Rate(High/Mid/Low)[L/S]	291.7/265.0/238.3	520.00/425.00/330.00	540.00/451.67/380.00
	Drain	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	36/33/29 dBA	44/39/33 dBA	45/41/37 dBA
External Dimension (Indoor Unit)	Net Weight(kg)	20.2 kg	23.5 kg	25.5 kg
	Net Dimensions (WxHxD) (mm)	947 x 281 x 947 mm	947 x 365 x 947 mm	947 x 365 x 947 mm
Panel Size	Panel model	PC4NUNMAN (Round, white) PC4NUDMAN (Square, white) PC4NBNMAN (Round, black) PC4NBDMAN (Square, black)	PC4NUNMAN (Round, white) PC4NUDMAN (Square, white) PC4NBNMAN (Round, black) PC4NBDMAN (Square, black)	PC4NUNMAN (Round, white) PC4NUDMAN (Square, white) PC4NBNMAN (Round, black) PC4NBDMAN (Square, black)
	Panel Net Weight (kg)	3.6 kg	3.5 kg	3.5 kg
	Net Dimensions (WxHxD) (mm)	1000 x 66 x 1000 mm	1000 x 66 x 1000 mm	1000 x 66 x 1000 mm
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60	
Compressor	Type	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
	Model	UG4T200FUAE4	UG8T300FUBJU	UG5TK1450FJX
	Output(kW)	1.79 kW	2.82 kW	4.19 kW
	Oil (Type)	POE	PVE	PVE
	Oil (Initial Charge) [cc]	650 cc	1,200 cc	1,700 cc
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CMM]	51 CMM	78 CMM	111 CMM
	Air Flow Rate (Cooling) [L/S]	850	1,300	1,850
Sound (Outdoor Unit)	Sound Pressure (Cooling / Heating) [dB(A)]	49/51 dBA	52/54 dBA	53/54 dBA
External Dimension (Outdoor Unit)	Net Weight(kg)	54.0 kg	72.0 kg	87.0 kg
	Net Dimensions (WxHxD) (mm)	880 x 798 x 310 mm	940 x 998 x 330 mm	940 x 1210 x 330 mm
Operating Temp. Range	Cooling (°C)	-15~50 °C	-15~50 °C	-15~50 °C
	Heating (°C)	-20~24 °C	-20~24 °C	-20~24 °C

4-Way Cassette Specifications

4-WAY CASSETTE	Indoor Unit	AC024MN4DKH/VN	AC036MN4DKH/VN
	Outdoor Unit	AC024MXADKH/VN	AC036MXADKH/VN
System	Mode	Heat pump	Heat pump
Capacity	Cooling [kW]	2.20/7.03/8.35 kW	3.00/9.96/12.00 kW
	Cooling [Btu/h]	7,500/24,000/28,500 Btu/h	10,200/34,000/40,900 Btu/h
	Heating [kW]	1.90/7.91/9.38 kW	2.20/11.14/15.50 kW
	Heating [Btu/h]	6,500/27,000/32,000 Btu/h	7,500/38,000/52,900 Btu/h
Power Input (Nominal)	Cooling 1)	0.35/2.36/3.45 kW	0.60/3.10/4.70 kW
	Heating 2)	0.35/2.35/3.50 kW	0.46/3.08/5.40 kW
Current Input (Nominal)	Cooling 1)	2.0/10.3/15.0 A	3.00/13.60/20.40 A
	Heating 2)	2.0/10.4/15.5 A	2.50/13.60/23.00 A
Power	MCA [A]	21.0 A	25.0 A
	MFA [A]	25.0 A	30.0 A
Energy Efficiency	EER (Nominal Cooling)	2.98	3.21
	COP (Nominal Heating)	3.37	3.61
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm	9.52 mm
	Liquid Pipe (Φ, inch)	1/4"	3/8"
	Gas Pipe (Φ, mm)	15.88 mm	15.88 mm
	Gas Pipe (Φ, inch)	5/8"	5/8"
	Installation Max. Length [m]	50 m	50 m
	Installation Max. Height [m]	30 m	30 m
Field Wiring	Transmission Cable	0.75↑	0.75
Refrigerant	Type	R410A	R410A
	Control Method	EEV	EEV
	Factory Charging (kg)	2.0 kg	3.0 kg
Power Supply (Indoor Unit) [Φ, #, V, Hz]	1,2,220-240,50/60	1,2,220-240,50/60	
Fan	Type	Turbo Fan	Turbo Fan
	Motor (Output) [W]	65 W	97 W
	Number of Unit (EA)	1 EA	1 EA
	Air Flow Rate (High / Mid / Low) [CMM]	19.5/16.5/14.5 CMM	31.00/25.00/19.00 CMM
	Air Flow Rate(High/Mid/Low)[L/S]	325.0/275.0/241.7	516.67/416.67/316.67
Drain	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	36/33/29 dBA	44/39/33 dBA
External Dimension (Indoor Unit)	Net Weight(kg)	14.5 kg	18.0 kg
	Shipping Weight (kg)	18.0 kg	22.0 kg
	Net Dimensions (WxHxD) (mm)	840 x 204 x 840 mm	840 x 288 x 840 mm
	Shipping Dimensions (WxHxD) (mm)	898 x 275 x 898 mm	898 x 357 x 898 mm
Panel Size	Panel model	PC4NUSKAN	PC4NUSKAN
	Panel Net Weight (kg)	5.9 kg	5.9 kg
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	1,2,220-240,50/60	1,2,220-240,50/60	
Compressor	Type	Twin BLDC Rotary	Twin BLDC Rotary
	Model	UG4T200FUAE4	UG8T300FUBJU
	Output(kW)	1.79 kW	2.82 kW
	Oil (Type)	POE	PVE
	Oil (Initial Charge) [cc]	650 cc	1,200 cc
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CMM]	51 CMM	78 CMM
	Air Flow Rate (Cooling) [L/S]	850	1,300
Sound (Outdoor Unit)	Sound Pressure (Cooling / Heating) [dB(A)]	49/51 dBA	52/54 dBA
External Dimension (Outdoor Unit)	Net Weight(kg)	54.0 kg	72.0 kg
	Net Dimensions (WxHxD) (mm)	880 x 798 x 310 mm	940 x 998 x 330 mm
Operating Temp. Range	Cooling (°C)	-15~50 °C	-15~50 °C
	Heating (°C)	-20~24 °C	-20~24 °C

4-Way Cassette Specifications

4-WAY CASSETTE	Indoor Unit	AC048MN4DKH/VN	AC054MN4DKH/VN
	Outdoor Unit	AC048MXADKH/VN	AC054MXADKH/VN
System	Mode	Heat pump	Heat pump
Capacity	Cooling [kW]	3.50/13.48/15.50 kW	3.52/14.65/17.29 kW
	Cooling [Btu/h]	11,900/46,000/52,900 Btu/h	12,000/50,000/59,000 Btu/h
	Heating [kW]	3.50/15.53/18.00 kW	3.52/17.30/19.92 kW
	Heating [Btu/h]	11,900/53,000/61,400 Btu/h	12,000/59,000/68,000 Btu/h
Power Input (Nominal)	Cooling 1)	0.80/4.47/6.44 kW	0.90/5.63/6.80 kW
	Heating 2)	0.70/4.55/7.36 kW	0.90/5.76/7.35 kW
Current Input (Nominal)	Cooling 1)	3.70/20.00/28.00 A	3.7/24.5/30.0 A
	Heating 2)	3.50/19.50/32.00 A	3.7/24.7/32.0 A
Power	MCA [A]	33.0 A	33.0 A
	MFA [A]	40.0 A	40.0 A
Energy Efficiency	EER (Nominal Cooling)	3.01	2.6
	COP (Nominal Heating)	3.41	3
Piping Connections	Liquid Pipe (Φ, mm)	9.52 mm	9.52 mm
	Liquid Pipe (Φ, inch)	3/8"	3/8"
	Gas Pipe (Φ, mm)	15.88 mm	19.05 mm
	Gas Pipe (Φ, inch)	5/8"	3/4"
	Installation Max. Length [m]	75 m	75 m
	Installation Max. Height [m]	30 m	30 m
Field Wiring	Transmission Cable	0.75	0.75†
Refrigerant	Type	R410A	R410A
	Control Method	EEV	EEV
	Factory Charging (kg)	3.4 kg	3.8 kg
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50/60	1,2,220-240,50/60
Fan	Type	Turbo Fan	Turbo Fan
	Motor (Output) [W]	97 W	97 W
	Number of Unit (EA)	1 EA	1 EA
	Air Flow Rate (High / Mid / Low) [CMM]	32.00/27.00/22.00 CMM	33.1/27.5/22.0 CMM
	Air Flow Rate(High/Mid/Low)[L/S]	533.33/450.00/366.67	551.7/458.3/366.7
Drain	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	45/41/37 dBA	45/41/37 dBA
External Dimension (Indoor Unit)	Net Weight(kg)	20.0 kg	20.0 kg
	Shipping Weight (kg)	24.0 kg	23.5 kg
	Net Dimensions (WxHxD) (mm)	840 x 288 x 840 mm	840 x 288 x 840 mm
	Shipping Dimensions (WxHxD) (mm)	898 x 357 x 898 mm	898 x 357 x 898 mm
Panel Size	Panel model	PC4NUSKAN	PC4NUSKAN
	Panel Net Weight (kg)	5.9 kg	5.9 kg
	Net Dimensions (WxHxD) (mm)	950 x 45 x 950 mm	950 x 45 x 950 mm
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50/60	1,2,220-240,50/60
Compressor	Type	Twin BLDC Rotary	Twin BLDC Rotary
	Model	UG5TK1450FJX	UG5TK5450FJX
	Output(kW)	4.19 kW	4.12 kW
	Oil (Type)	PVE	PVE
	Oil (Initial Charge) [cc]	1,700 cc	1,700 cc
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CMM]	111 CMM	112 CMM
	Air Flow Rate (Cooling) [L/S]	1,850	1,867
Sound (Outdoor Unit)	Sound Pressure (Cooling / Heating) [dB(A)]	53/54 dBA	56/56 dBA
External Dimension (Outdoor Unit)	Net Weight(kg)	87.0 kg	98.0 kg
	Net Dimensions (WxHxD) (mm)	940 x 1210 x 330 mm	940 x 1420 x 330 mm
	Shipping Dimensions (WxHxD) (mm)	995 x 1598 x 426 mm	995 x 1598 x 426 mm
Operating Temp. Range	Cooling (°C)	-15~50 °C	-15~50 °C
	Heating (°C)	-20~24 °C	-20~24 °C

Ceiling Suspended Specifications

CEILING SUSPENDED	Indoor Unit	AC036MNC DKH/VN	AC048MNC DKH/VN	AC054MNC DKH/VN
	Outdoor Unit	AC036MXADKH/VN	AC048MXADKH/VN	AC054MXADKH/VN
System	Mode	Heat pump	Heat pump	Heat pump
Capacity	Cooling [kW]	3.00/10.00/12.00 kW	3.50/13.40/15.50 kW	4.31/15.30/17.58 kW
	Cooling [Btu/h]	10,200/34,100/40,900 Btu/h	11,900/45,700/52,900 Btu/h	14,700/52,200/60,000 Btu/h
	Heating [kW]	2.20/11.20/15.50 kW	3.50/15.50/18.00 kW	4.70/17.30/20.80 kW
	Heating [Btu/h]	7,500/38,200/52,900 Btu/h	11,900/52,900/61,400 Btu/h	16,000/59,000/71,000 Btu/h
Power Input (Nominal)	Cooling 1)	0.60/3.40/4.70 kW	0.80/4.45/6.44 kW	0.95/5.46/7.00 kW
	Heating 2)	0.46/3.20/5.40 kW	0.70/4.54/7.36 kW	0.95/5.40/7.40 kW
Current Input (Nominal)	Cooling 1)	3.00/14.60/20.40 A	3.70/20.00/28.00 A	4.0/24.0/31.0 A
	Heating 2)	2.50/14.20/23.00 A	3.50/19.50/32.00 A	4.0/22.9/32.0 A
Power	MCA [A]	26.0 A	34.0 A	34.0 A
	MFA [A]	30.0 A	40.0 A	40.0 A
Energy Efficiency	EER (Nominal Cooling)	2.94	3.01	2.8
	COP (Nominal Heating)	3.5	3.41	3.2
Piping Connections	Liquid Pipe (Φ, mm)	9.52 mm	9.52 mm	9.52 mm
	Liquid Pipe (Φ, inch)	3/8"	3/8"	3/8"
	Gas Pipe (Φ, mm)	15.88 mm	15.88 mm	19.05 mm
	Gas Pipe (Φ, inch)	5/8"	5/8"	3/4"
	Installation Max. Length [m]	50 m	75 m	75 m
	Installation Max. Height [m]	30 m	30 m	30 m
Field Wiring	Transmission Cable	0.75	0.75	0.75†
Refrigerant	Type	R410A	R410A	R410A
	Control Method	EEV	EEV	EEV
	Factory Charging (kg)	3.0 kg	3.4 kg	3.8 kg
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60
Fan	Type	Sirroco	Sirroco	Sirroco
	Motor (Output) [W]	244 W	244 W	244 W
	Number of Unit (EA)	4 EA	4 EA	4 EA
	Air Flow Rate (High / Mid / Low) [CMM]	26.00/23.00/19.00 CMM	34.00/27.00/23.00 CMM	37.0/31.0/26.0 CMM
	Air Flow Rate(High/Mid/Low)[L/S]	433.33/383.33/316.67	566.67/450.00/383.33	616.7/516.7/433.3
Drain	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	42/38/34 dBA	46/42/38 dBA	50/47/43 dBA
External Dimension (Indoor Unit)	Net Weight(kg)	41.4 kg	41.4 kg	42.5 kg
	Shipping Weight (kg)	48.0 kg	48.0 kg	48.0 kg
	Net Dimensions (WxHxD) (mm)	1650 x 235 x 675 mm	1650 x 235 x 675 mm	1650 x 235 x 675 mm
	Shipping Dimensions (WxHxD) (mm)	1739 x 321 x 758 mm	1739 x 321 x 758 mm	1739 x 321 x 758 mm
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60
Compressor	Type	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
	Model	UG8T300FUBJU	UG5TK1450FJX	UG5TK5450FJX
	Output(kW)	2.82 kW	4.19 kW	4.12 kW
	Oil (Type)	PVE	PVE	PVE
	Oil (Initial Charge) [cc]	1,200 cc	1,700 cc	1,700 cc
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CMM]	78 CMM	111 CMM	112 CMM
	Air Flow Rate (Cooling) [L/S]	1,300	1,850	1,867
Sound (Outdoor Unit)	Sound Pressure (Cooling / Heating) [dB(A)]	52/54 dBA	53/54 dBA	56/56 dBA
External Dimension (Outdoor Unit)	Net Weight(kg)	72.0 kg	87.0 kg	98.0 kg
	Shipping Weight (kg)	77.0 kg	97.0 kg	108.0 kg
	Net Dimensions (WxHxD) (mm)	940 x 998 x 330 mm	940 x 1210 x 330 mm	940 x 1420 x 330 mm
Operating Temp. Range	Cooling (°C)	-15~50 °C	-15~50 °C	-15~50 °C
	Heating (°C)	-20~24 °C	-20~24 °C	-20~24 °C

Ceiling Concealed Ducted Specifications

CEILING DUCTED	Indoor Unit	AC018MNMDKH/VN	AC024MNMDKH/VN	AC036MNMDKH/VN
	Outdoor Unit	AC018MXADKH/VN	AC024MXADKH/VN	AC036MXADKH/VN
System	Mode	Heat pump	Heat pump	Heat pump
Capacity	Cooling [kW]	1.10/5.28/6.15 kW	2.20/7.10/8.35 kW	3.00/10.00/12.00 kW
	Cooling [Btu/h]	3,750/18,000/21,000 Btu/h	7,500/24,200/28,500 Btu/h	10,200/34,100/40,900 Btu/h
	Heating [kW]	1.06/6.00/7.20 kW	1.90/8.00/9.38 kW	2.20/11.20/15.50 kW
	Heating [Btu/h]	3,600/20,500/24,600 Btu/h	6,500/27,300/32,000 Btu/h	7,500/38,200/52,900 Btu/h
Power Input (Nominal)	Cooling 1)	0.34/1.92/2.10 kW	0.35/2.59/3.45 kW	0.60/3.50/4.70 kW
	Heating 2)	0.26/1.80/2.20 kW	0.35/2.50/3.50 kW	0.46/3.30/5.40 kW
Current Input (Nominal)	Cooling 1)	1.8/8.4/9.5 A	2.0/11.4/15.0 A	3.00/15.10/20.40 A
	Heating 2)	1.7/8.1/10.0 A	2.0/11.0/15.5 A	2.50/14.00/23.00 A
Power	MCA [A]	22.5 A	22.5 A	26.5 A
	MFA [A]	25.0 A	25.0 A	30.0 A
Energy Efficiency	EER (Nominal Cooling)	2.75	2.74	2.86
	COP (Nominal Heating)	3.34	3.2	3.39
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm	6.35 mm	9.52 mm
	Liquid Pipe (Φ, inch)	1/4"	1/4"	3/8"
	Gas Pipe (Φ, mm)	12.7 mm	15.88 mm	15.88 mm
	Gas Pipe (Φ, inch)	1/2"	5/8"	5/8"
	Installation Max. Length [m]	30 m	50 m	50 m
	Installation Max. Height [m]	20 m	30 m	30 m
Field Wiring	Transmission Cable	0.75↑	0.75↑	0.75
Refrigerant	Type	R410A	R410A	R410A
	Control Method	EEV	EEV	EEV
	Factory Charging (kg)	1.5 kg	2.0 kg	3.0 kg
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60
Fan	Type	Sirocco	Sirocco	Sirocco
	Motor (Output) [W]	153 W	153 W	153 W
	Number of Unit (EA)	2 EA	2 EA	3 EA
	Air Flow Rate (High / Mid / Low) [CMM]	14.5/12.0/9.5 CMM	17.0/14.0/11.0 CMM	28.00/25.00/22.00 CMM
	Air Flow Rate(High/Mid/Low)[L/S]	241.6/200.0/158.3	283.3/233.3/183.3	466.67/416.67/366.67
	External Static Pressure (Min / Std / Max) [mmAq]	3.0/3.0/15.0 mmAq	3.0/3.0/15.0 mmAq	0.0/4.0/15.0 mmAq
	External Static Pressure (Min / Std / Max) [Pa]	29.42/29.42/147.10 Pa	29.42/29.42/147.10 Pa	0.00/39.23/147.10 Pa
Drain	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	29/26/23 dBA	30/27/24 dBA	34/32/30 dBA
External Dimension (Indoor Unit)	Net Weight(kg)	27.0 kg	27.0 kg	33.4 kg
	Net Dimensions (WxHxD) (mm)	850 x 250 x 700 mm	850 x 250 x 700 mm	1200 x 250 x 700 mm
Additional Accessories	Drain Pump	DC	DC	
	Drain Pump Max. Lifting Height/Displacement	750/24	750/24	
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60
Compressor	Type	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
	Model	UG9TK3150FE4	UG4T200FUAE4	UG8T300FUBJU
	Output(kW)	1.42 kW	1.79 kW	2.82 kW
	Oil (Type)	POE	POE	PVE
	Oil (Initial Charge) [cc]	500 cc	650 cc	1,200 cc
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CMM]	40 CMM	51 CMM	78 CMM
	Air Flow Rate (Cooling) [L/S]	667	850	1,300
Sound (Outdoor Unit)	Sound Pressure (Cooling / Heating) [dB(A)]	48/48 dBA	49/51 dBA	52/54 dBA
External Dimension (Outdoor Unit)	Net Weight(kg)	43.0 kg	54.0 kg	72.0 kg
	Net Dimensions (WxHxD) (mm)	880 x 638 x 310 mm	880 x 798 x 310 mm	77.0 kg
Operating Temp. Range	Cooling (°C)	-15~50 °C	-15~50 °C	940 x 998 x 330 mm
	Heating (°C)	-20~24 °C	-20~24 °C	-15~50 °C

Ceiling Concealed Ducted Specifications

CEILING DUCTED	Indoor Unit	AC048MNMDKH/VN	AC054MNMDKH/VN
	Outdoor Unit	AC048MXADKH/VN	AC054MXADKH/VN
System	Mode	Heat pump	Heat pump
Capacity	Cooling [kW]	3.50/13.40/15.50 kW	4.31/15.30/17.58 kW
	Cooling [Btu/h]	11,900/45,700/52,900 Btu/h	14,700/52,200/60,000 Btu/h
	Heating [kW]	3.50/15.50/18.00 kW	4.70/17.30/20.80 kW
	Heating [Btu/h]	11,900/52,900/61,400 Btu/h	16,000/59,000/71,000 Btu/h
Power Input (Nominal)	Cooling 1)	0.80/4.45/6.44 kW	0.95/5.10/7.00 kW
	Heating 2)	0.70/4.54/7.36 kW	0.95/5.16/7.40 kW
Current Input (Nominal)	Cooling 1)	3.70/20.00/28.00 A	4.0/22.6/31.0 A
	Heating 2)	3.50/19.50/32.00 A	4.0/22.7/32.0 A
Power	MCA [A]	34.5 A	34.7 A
	MFA [A]	40.0 A	40.0 A
Energy Efficiency	EER (Nominal Cooling)	3.01	3
	COP (Nominal Heating)	3.41	3.35
Piping Connections	Liquid Pipe (Φ, mm)	9.52 mm	9.52 mm
	Liquid Pipe (Φ, inch)	3/8"	3/8"
	Gas Pipe (Φ, mm)	15.88 mm	19.05 mm
	Gas Pipe (Φ, inch)	5/8"	3/4"
	Installation Max. Length [m]	75 m	75 m
	Installation Max. Height [m]	30 m	30 m
Field Wiring	Transmission Cable	0.75	0.75↑
Refrigerant	Type	R410A	R410A
	Control Method	EEV	EEV
	Factory Charging (kg)	3.4 kg	3.8 kg
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50/60	1,2,220-240,50/60
Fan	Type	Sirocco	Sirocco
	Motor (Output) [W]	244 W	350 W
	Number of Unit (EA)	3 EA	2 EA
	Air Flow Rate (High / Mid / Low) [CMM]	33.00/28.00/23.00 CMM	50.0/44.5/39.0 CMM
	Air Flow Rate(High/Mid/Low)[L/S]	550.00/466.67/383.33	833.3/741.7/650.0
	External Static Pressure (Min / Std / Max) [mmAq]	0.0/5.2/15.0 mmAq	5.2/5.2/15.0 mmAq
	External Static Pressure (Min / Std / Max) [Pa]	0.00/50.99/147.10 Pa	50.99/50.99/147.10 Pa
Drain	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	37/34/30 dBA	44/40/36 dBA
External Dimension (Indoor Unit)	Net Weight(kg)	38.6 kg	53.4 kg
	Net Dimensions (WxHxD) (mm)	1300 x 300 x 700 mm	1200 x 360 x 650 mm
Additional Accessories	Drain Pump		DC
	Drain Pump Max. Lifting Height/Displacement		750/24
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50/60	1,2,220-240,50/60
Compressor	Type	Twin BLDC Rotary	Twin BLDC Rotary
	Model	UG5TK1450FJX	UG5TK5450FJX
	Output(kW)	4.19 kW	4.12 kW
	Oil (Type)	PVE	PVE
	Oil (Initial Charge) [cc]	1,700 cc	1,700 cc
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CMM]	111 CMM	112 CMM
	Air Flow Rate (Cooling) [L/S]	1,850	1,867
Sound (Outdoor Unit)	Sound Pressure (Cooling / Heating) [dB(A)]	53/54 dBA	56/56 dBA
External Dimension (Outdoor Unit)	Net Weight(kg)	87.0 kg	98.0 kg
	Net Dimensions (WxHxD) (mm)	97.0 kg	940 x 1420 x 330 mm
Operating Temp. Range	Cooling (°C)	940 x 1210 x 330 mm	-15~50 °C
	Heating (°C)	-15~50 °C	-20~24 °C

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Samsung Electronics Philippines Corporation

9th Floor, Science Hub Tower 4, McKinley Hill Cyberpark, Fort Bonifacio, Taguig City
Contact Number: 7-214-7777

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