Samsung Air Conditioner

COMMON CONCERNS WHEN USING AN AIR CONDITIONER

Health Concerns

"I learned that viruses spread easily in enclosed air conditioned rooms, so we try as much as we can to stay in open spaces nowadays. At this point, I'm not willing to risk safety over convenience.

High Electricity Bill

"Even if it's hot, I have to limit my use of the aircon, because I'm scared of our electricity bill will spike up."

Too Chilly and Uncomfortable

"The air directly blown onto my skin makes me feel too chilly and uncomfortable. It always gets in the way of my productivity by daytime or interrupts my sleep at night."

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."

Installation and Maintenance

"I find it burdensome to arrange service appointments. Most of the time, I'm not even sure how to reach customer service the easiest way possible."

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	WindFree™ MODELS	SPLIT-TYPE S-INVERTER AND WINDOW-TYPE INVERTER MODELS
1.0 HP	up to 16 sqm	up to 15 sqm
1.5 HP	17–20 sqm	16–20 sqm
2.0 HP	21–32 sqm	21–32 sqm
2.5 HP	33–40 sqm	33–40 sqm

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

Users

More people in the room means more body heat and the higher chance of spreading the virus in an enclosed space. When choosing an air conditioner, it is best to consider cooling efficiency and air purifying features.

Heat Source

More occupants mean that the aircon has to generate enough power to cool the place, plus the chances of viruses spreading around and dust created are much higher.

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 ensure the family's good night sleep. Samsung air conditioners work much more smoothly and quietly with its stable operation, producing less noise and vibration.

Disclaimer: Best to consult with an authorized service center / installer to survey the area for a more accurate assessment on the best unit and capacity to purchase. To know the nearest service center in your area, you may call our hotline • 1-800-10-726-7864 (PLDT Toll Free) • 1-800-8-726-7864 (Globe Toll Free) • (02) 8-422-2111 (TV & Digital Appliances) or visit our website at www.samsung.com/ph/support/aircon-customer-support/
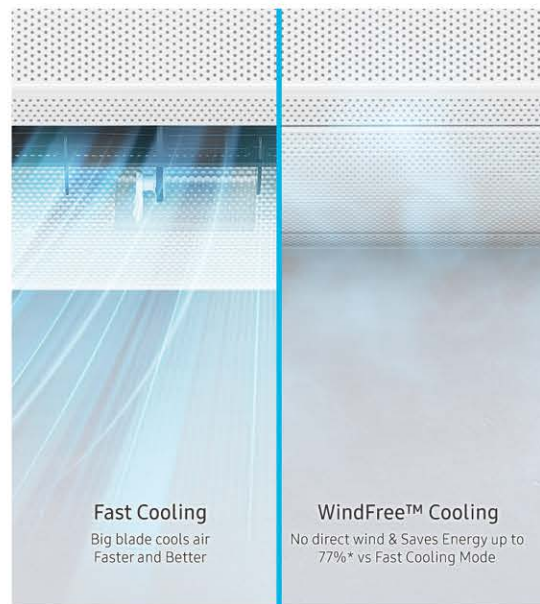
WindFree™ Technology

WindFree™ Cooling efficiently 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 comfortable environment while effectively reducing the risk of viral transmissions due to less movement and spread of droplets in the air.

Fast Cooling

The WindFree™ 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 WindFree™ Cooling.
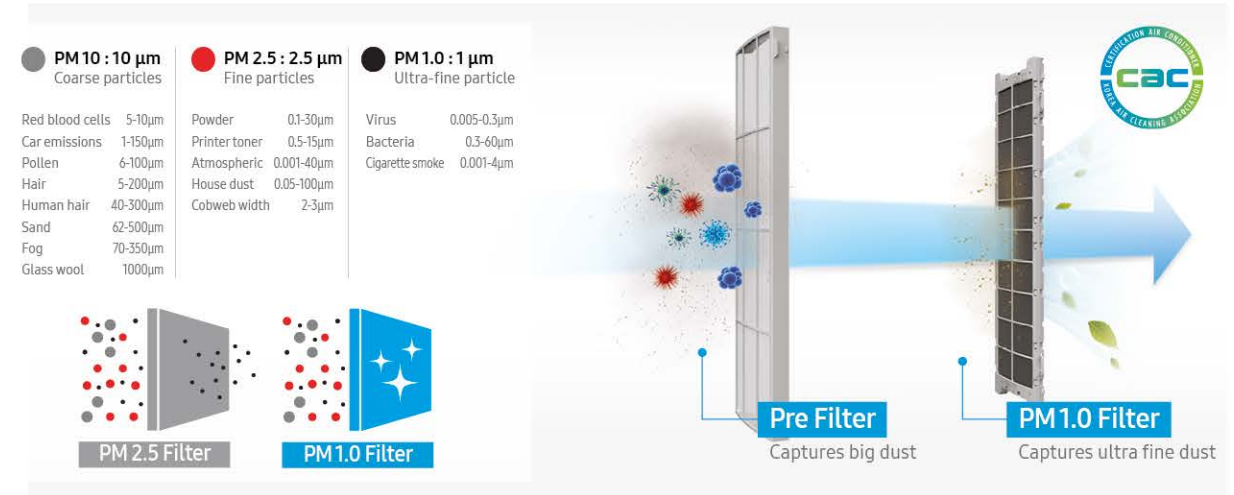
WindFree™ Cooling

WindFree™ 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.

Fast Cooling — Big blade cools air Faster and Better

WindFree™ Cooling — No direct wind & Saves Energy up to 77%* vs Fast Cooling Mode

*Tested on the AR07T9170HA3 model, based on the power consumption of Fast Cooling mode vs. WindFree™ cooling mode.

Air Purifier PM 1.0 Filter

PM 1.0 Filter works just like a stand-alone air purifier. Equipped with Electrostatic Chargers, this filter captures and destroys ultra fine particles with its 99% cleaning efficiency. Be assured that the air you breathe is free from dusts, bacteria, viruses, and other harmful substances suspended invisibly in the air.

PM 10 : 10 μm Coarse particles
PM 2.5 : 2.5 μm Fine particles
PM 1.0 : 1 μm Ultra-fine particle

Red blood cells	5-10μm	Powder	0.1-30μm
Car emissions	1-150μm	Printer toner	0.5-15μm
Pollen	6-100μm	Atmospheric	0.001-40μm
Hair	5-200μm	House dust	0.05-100μm
Human hair	40-300μm	Cobweb width	2-3μm
Sand	62-500μm	Virus	0.005-0.3μm
Fog	70-350μm	Bacteria	0.3-60μm
Glass wool	1000μm	Cigarette smoke	0.001-4μm

PM 2.5 Filter | PM 1.0 Filter

Pre Filter — Captures big dust
PM 1.0 Filter — Captures ultra fine dust

99% Anti-bacteria
99% Anti-virus
98% Anti-allergy

Air Quality Display

Easily monitor the quality of the air around you with color and numeric indicators. The goal is to reach and keep it at color blue, which means good air quality, all day long.

Air Purity Level based on number and color display

100 Very poor | 75 Poor | 35 Normal | 10 Good
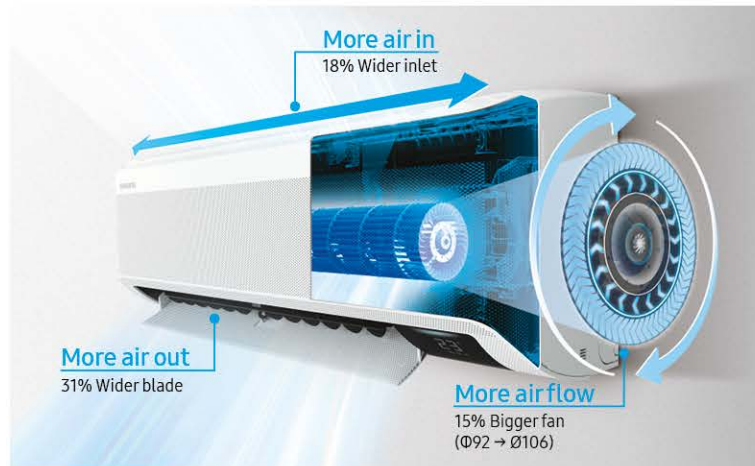
Easy Maintenance

Maintain the fresh air quality with a clean filter. Locate it from outside, at the top, then easily detach and follow these steps to keep your air conditioner working efficiently with less effort.

Soak the filter in a solution of water and mild detergent for 30 min.

Rinse the filter and let it air dry in a well-ventilated area that is out of direct sunlight.

FAST COOLING

Fast Cooling

Designed to cool 43%* faster, farther and wider.

More air in
18% Wider inlet

More air out
31% Wider blade

More air flow
15% Bigger fan
(Φ92 → Φ106)

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 AR12TXCAAWKEU model compared with the Samsung conventional model AQ12EASER.
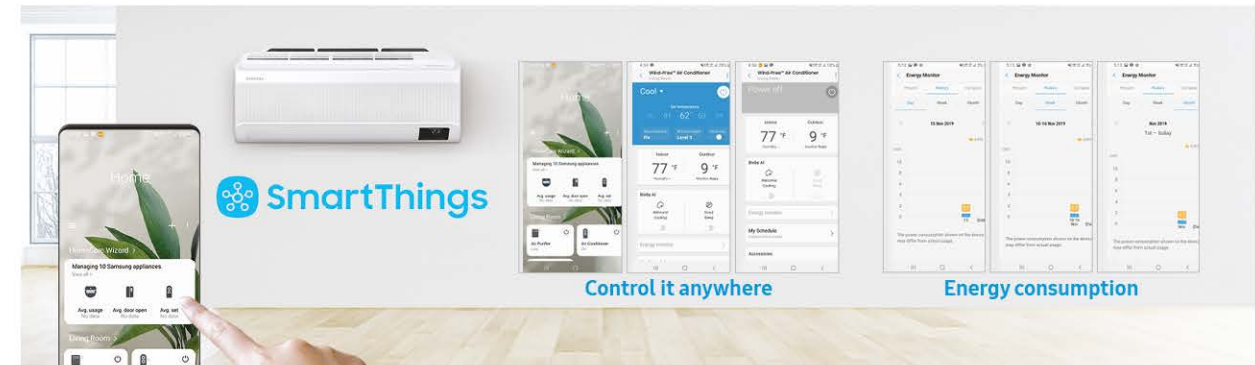** Tested on the AR24TXFCAWKNEU model.

ENERGY-SAVING

Digital Inverter Boost

Automatic compressor adjustment to save energy. Provides energy savings of up to 73%* with highly efficient Digital Inverter Boost technology that optimizes power usage while producing less noise and vibration.

Temp (°C)

Loss

Loss — Non Inverter High Temperature Fluctuation

Set Temperature

Loss

Time

■ Non Inverter ■ Digital Inverter Boost

Neodymium magnets

Twin-tube muffler

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.

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%*.

* Tested on the AR09TXCAAWKNEU model compared with the Samsung conventional model AQ09TSLXEA.

SmartThings

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

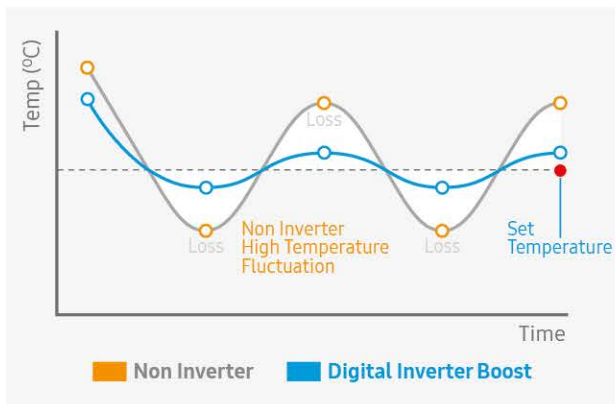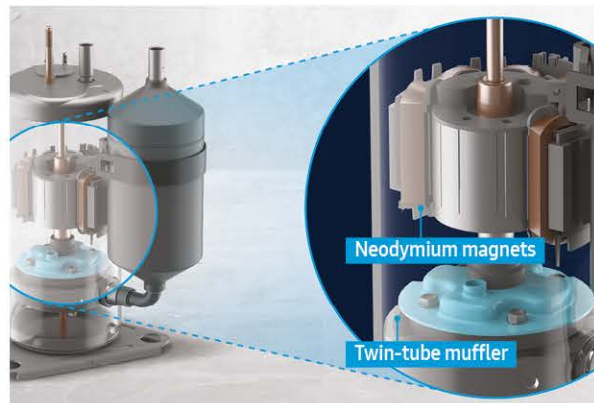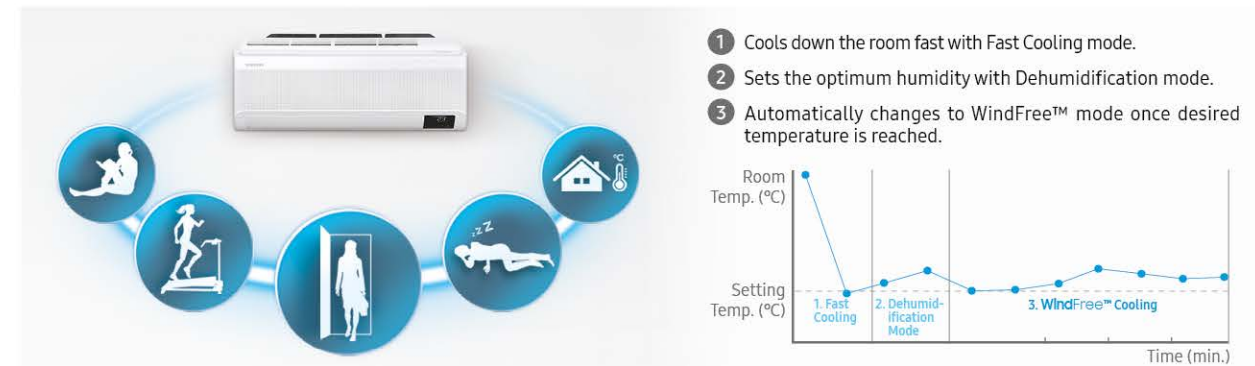* Available on Android and iOS devices. A Wi-Fi connection and a Samsung account are required.

Control it anywhere　　　**Energy consumption**

AI Auto Cooling

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

1. Cools down the room fast with Fast Cooling mode.
2. Sets the optimum humidity with Dehumidification mode.
3. Automatically changes to WindFree™ mode once desired temperature is reached.

Room Temp. (°C)

Setting Temp. (°C)

1. Fast Cooling　　2. Dehumidification Mode　　3. WindFree™ Cooling

Time (min.)

Based on your preferred room temperature and the current outdoor temperature, AI Auto Cooling* automatically adjusts** the settings and turns on the most appropriate mode, including WindFree™, Fast Cooling, and Normal Cooling.

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

Voice Control

Control your Air Conditioner with voice recognition via Bixby 2.0.

Voice controls supports the following commands

1. Turn on(off) the air conditioner.
2. Turn on(off) the WindFree™.
3. Raise(Lower) the temperature.
4. Change the mode to Dehumidification/Auto/Cooling/Heating.
5. Change the wind strength to Auto/Low/Medium/High.
6. Check the temperature setting of the air conditioner.
7. Check the indoor temperature of the room.
8. Check the fan speed of the air conditioner.
9. Check the mode of the air conditioner.

* Certain models may not support voice control feature.
** Voice control supported in English (US, UK, Indian), Chinese, Korean, French, German, Italian, Spanish, and Portuguese.

ⓑ Bixby

Triple Protector Plus

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

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 conditions.

3. Fin protection
2. Controller protector
1. Compressor protector

* Normal Working Range : 187Vac ~ 265Vac
* The voltage value may differ 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.

DuraFin™

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

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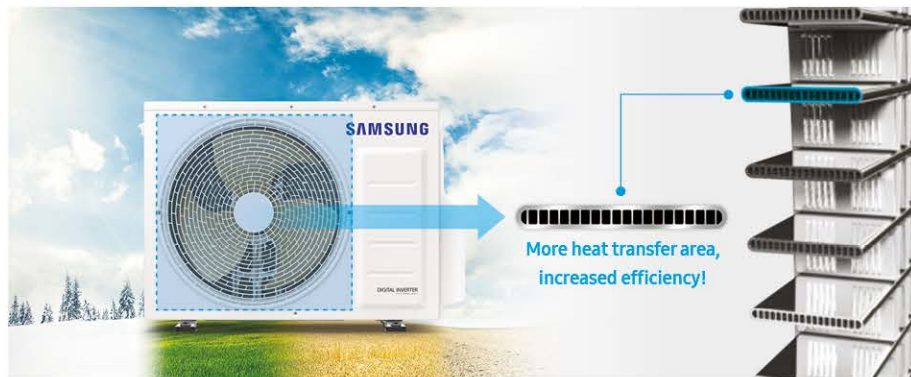
Enhance the performance and efficiency of the Heat Exchanger using the DuraFin™. It is made of a much denser material and is thicker in design. Its improved coating also has more corrosion resistance. DuraFin™ passed the accelerated Sea Water Acetic Acid Test (SWAAT) for corrosion over 100 days*.

* Based on the AR13TYHYBWKNST model compared with the Samsung conventional model AR18JRFNFWK.
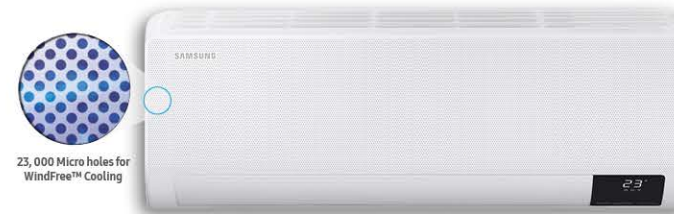
10-Year Warranty Compressor

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

10 YEAR WARRANTY ON THE COMPRESSOR DIGITAL INVERTER™ TECHNOLOGY

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

2021 NEW Arrival

23,000 Micro holes for WindFree™ Cooling

PREMIUM INVERTER WindFree™ Plus

10 YEAR WARRANTY DIGITAL INVERTER Eco-friendly refrigerant R32

- WindFree™ Cooling
- **New** Air Purifier PM 1.0 Filter
- SmartThings
- AI Auto Cooling
- Digital Inverter Boost
- **New** Freeze Wash Cleaning Mode
- Easy Filter Plus
- Durafin™
- 10-Year Warranty on Compressor

Capacity (HP)	Model	SRP	Cooling Capacity (Min-Max), Btu/hr	Net Dimension (WxHxD, mm) Indoor	Outdoor
			WindFree™ Plus		
1.0 HP	AR10AYKAGWKNTC	P 51,995	9,999 (3,499-12,999)	820 x 215 x 345	790 x 548 x 285
1.5 HP	AR13AYKAGWKNTC	P 55,995	11,999 (3,499-13,999)	820 x 215 x 345	790 x 548 x 285
2.0 HP	AR18AYKAGWKNTC	P 66,995	18,009 (5,194-22,463)	1055 x 215 x 345	880 x 638 x 310
2.5 HP	AR24AYKAGWKNTC	P 75,995	22,179 (4,739-25,591)	1055 x 215 x 345	880 x 638 x 310

23,000 Micro holes for WindFree™ Cooling

BASIC INVERTER WindFree™

10 YEAR WARRANTY DIGITAL INVERTER Eco-friendly refrigerant R32

- WindFree™ 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

Capacity (HP)	Model	SRP	Cooling Capacity (Min-Max), Btu/hr	Net Dimension (WxHxD, mm) Indoor	Outdoor
			WindFree™		
1.0 HP	AR09TYGCGWKNTC	P 40,995	10,200 (5,000-13,860)	820 x 299 x 215	720 x 548 x 265
1.5 HP	AR12TYGCGWKNTC	P 44,995	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	880 x 638 x 310
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 S-Inverter

10 YEAR WARRANTY DIGITAL INVERTER Eco-friendly refrigerant R32

- Digital Inverter Boost
- Fast Cooling Mode
- Triple Protector Plus
- Eco Mode
- Easy Filter Plus
- Tri-Care Filter (Optional)
- Durafin™
- Dehumidification Mode
- Quiet Mode
- R32 Refrigerant
- 10-Year Warranty on Compressor

Capacity (HP)	Model	SRP	Cooling Capacity (Min-Max), Btu/hr	Net Dimension (WxHxD, mm) Indoor	Outdoor
			S-INVERTER		
1.0 HP	AR09TYHYEWKNTC	P 30,995	9,917 (4,650-11,400)	820 x 299 x 215	660 x 475 x 242
1.5 HP	AR12TYHYEWKNTC	P 34,995	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)	1055 x 299 x 215	880 x 638 x 310
2.5 HP	AR24TYHYEWKNTC	P 53,995	23,400 (5,000-27,000)	1055 x 299 x 215	880 x 638 x 310

Upgrade your S-Inverter with Tri-Care Filter

Keep the air clean with the Tri-Care filter, soon to be available as an option for S-Inverter models! Equipped with Zeolite Coating Fiber, it captures fine dusts and potentially harmful particles in the air. Visit www.samsung.com/ph to know more.
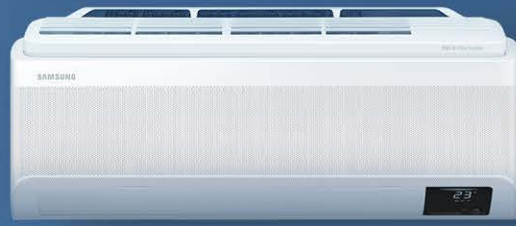
Customer Service

Convenient and hassle-free service at your fingertips

CALL
1-800-10-726-7864 [PLDT Toll Free]
1-800-8-726-7864 [Globe Toll Free]
Hotline is available from Monday - Sunday 8:00 a.m. - 8:00 p.m.

CHAT
• Go to livechat.support.samsung.com/customer_new/ph
• Live Chat is available from Monday - Sunday 8:00 a.m. - 8:00 p.m.

Samsung Visual Support

Get hands-on advice from a Samsung Expert with the help of a live camera.
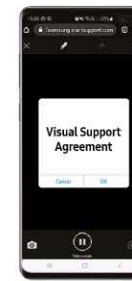
HOW TO ACCESS

Step 1
Call hotline to request for Visual Support.

Step 2
Visual Support consultants will send you a URL link via SMS.

Step 3
Click on the URL link sent via SMS to access Visual Support Agreement. This will request your permission to share the video captured from your mobile device and for the remote access to certain features of your mobile phone like flashlight and camera.

Step 4
Once you have granted Visual Support permission, the consultant on the other end would then be able to analyze the product directly through your phone camera.

*Images are simulated and for illustration purposes only.

ABOUT VISUAL SUPPORT SERVICE

Our Samsung Contact Center's Visual Support provides real-time assistance by our consultants, based on the visuals of the affected product sent by you, our customer.

Should you need assistance with your unit, you may call us through your own smartphone. You will then be asked to accurately describe the problem of the unit. After that, you will receive diagnosis from our consultants. The in-depth analysis provided by our Visual Support team means that consultants can make qualified judgements regarding whether or not a product needs to be sent for repair. Thus, saving you valuable time and effort.

*Images are simulated and for illustration purposes only.

FUNCTIONALITIES

LIVE VIDEO FUNCTION
This function zones in on the problem area using the customer's live video function on their mobile. This eliminates miscommunication and the need to be at the customer service center.

REMOTE ACCESS
Aside from speaking over the phone and streaming video images, our consultant can also remotely activate your phone's flashlight to better assess the situation.

SCREEN ANNOTATION
With the use of a mouse or a finger to annotate your device's screen, both you and our consultant can indicate problem areas, and address them correctly.

Warranty & Repair Service

Access a variety of Samsung services with your Samsung account such as warranty registration and coverage details, callback request, repair tracking and much more.
Visit **www.samsung.com/ph/support/your-service/**

SmartThings FAQ

Find out troubleshooting guide and FAQs on using SmartThings for Android and iOS.

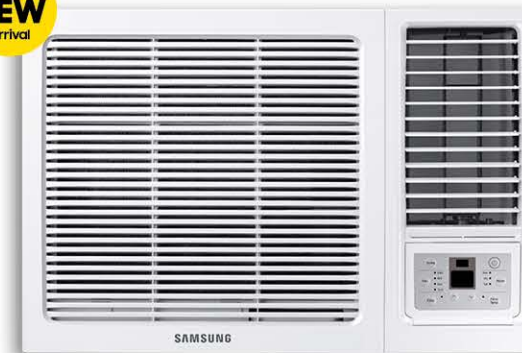Know more about Samsung Customer Service:

Samsung's First Window-Type Inverter Air Conditioner

WINDOW-TYPE DIGITAL INVERTER

5 YEAR WARRANTY
INVERTER COMPRESSOR
INVERTER TECHNOLOGY

2021 NEW Arrival

- **Fast Cooling**
- **Digital Inverter Technology**
- **Anti-Bacterial Filter**
- Auto Mode
- Dehumidifier
- Timer
- Sleep Mode
- Dirty Filter Prompt
- Soft Start Mode
- 5-Year Warranty on Compressor

WINDOW-TYPE DIGITAL INVERTER				Net Dimension (WxHxD, mm)
Capacity (HP)	Model	SRP	Cooling Capacity kJ/H	Indoor
1.0 HP	AW09AYHGAWKNTC	P 36,995	9,500	560 x 375 x 708
1.5 HP	AW12AYHGAWKNTC	P 40,995	12,160	560 x 375 x 708
2.0 HP	AW18AYHGAWKNTC	P 51,995	17,640	660 x 428 x 800
2.5 HP	AW24AYHGAWKNTC	P 55,995	22,500	660 x 428 x 800

Fast Cooling

No need to wait long for the room to cool! Cool the room 15% faster than non-inverter air conditioners with Fast Cooling. With this mode, the unit operates with the fastest fan speed to reach the desired temperature in the shortest period of time, before eventually slowing down to maintain such temperature.

Digital Inverter

Save energy up to 61% less than non-inverter air conditioners with the Digital Inverter technology. It maintains the desired temperature without frequently turning off and on to avoid sudden spikes in energy usage.

Anti-Bacterial Filter

Breathe in clean and fresh air with the 3-in-1 Anti-Bacterial Filter. This filter consists of Silver Ion (silver), Vitamin C (yellow), and Anti-Mite (red) that are proven effective in destroying bacteria, allergens, and other airborne contaminants.

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	P114,995	36,100 (7,300 - 38,000)	610 x 1850 x 400	880 x 798 x 310
6.0 HP	AF48MV1MAEENTC	P154,995	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.

WindFree™ Plus Specifications

WindFree™ Plus		Indoor Unit	AR24AYKAGWKNTC	AR18AYKAGWKNTC	AR13AYKAGWKNTC	AR10AYKAGWKNTC
		Outdoor Unit	AR24AYKAGWKXTC	AR18AYKAGWKXTC	AR13AYKAGWKXTC	AR10AYKAGWKXTC
Performance	EER/COP [kj/hW]	EER (Cooling)	11.70	12.5	13.19	14.26
	CSPF		4.90	5.33	6.04	6.45
	Air Circulation (Max) [m²/min]		19.2	19.2	12.6	12.1
	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	13.3	13.3	10.5	10.5
		Net — Outdoor	35.6	30.1	26.3	26.3
Technical Information	W/O Pipe	Set (20/40ft/40ft HC)	64 / 135 / 151	78 / 167 / 192	82 / 172 / 194	82 / 172 / 194
		Indoor (20/40ft/40ft HC)	222 / 454 / 512	222 / 454 / 512	272 / 552 / 621	272 / 552 / 621
		Outdoor (20/40ft/40ft HC)	90 / 189 / 189	111 / 234 / 312	111 / 234 / 312	111 / 234 / 312
	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
		Air Direction Control (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	PM 1.0 — Dust Filter + Easy Filter	•	•	•	•
		PM 1.0 — Laser PM Sensor	•	•	•	•
		Auto Clean (Self Cleaning)	•	•	•	•
	Convenience	Smart Things	•	•	•	•
		Filter Cleaning Indicatior	•	•	•	•
		Indoor Temp. Display	•	•	•	•
		Remote Controller — Spec (Temp)	Setting Temp.	Setting Temp.	Setting Temp.	Setting Temp.
		Remote Controller — Spec	RS-3	RS-3	RS-3	RS-3
		Remote Controller — Holder	•	•	•	•
		Remote Controller — 888 or 88 Display	All off	All off	All off	All off
		Remote Controller — 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	•	•	•	•
		Fast Cool	•	•	•	•
		Good Sleep	•	•	•	•
		Eco mode	•	•	•	•
		Dehumidification	•	•	•	•
		Fan Mode	•	•	•	•
		Quiet	•	•	•	•
	Outdoor Unit & PBA	Compressor Type	BLDC	BLDC	BLDC	BLDC
		Triple Protector — Anti-Corrosion Fin	•	•	•	•
		Triple Protector — Compressor Protector	•	•	•	•
		Triple Protector — PBA Protector	•	•	•	•
		Condensor Type	PFC 1.4	PFC 1.4	PFC 1.4	PFC 1.4
Windows Display		Type	Aurora Light + 888+3LED	Aurora Light + 888+3LED	Aurora Light + 888+3LED	Aurora Light + 888+3LED
		LED Spec	AI	AI	AI	AI
			Timer	Timer	Timer	Timer
			Wi-Fi	Wi-Fi	Wi-Fi	Wi-Fi

WindFree™ Specifications

WindFree™		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) [m²/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
		Net — Outdoor	35.6	30.1	26.3	26.3
Technical Information	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
	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
		Air Direction Control (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 Indicatior	•	•	•	•
		Indoor Temp. Display	•	•	•	•
		Remote Controller — Spec (Temp)	Setting Temp.	Setting Temp.	Setting Temp.	Setting Temp.
		Remote Controller — Spec	RS-3	RS-3	RS-3	RS-3
		Remote Controller — Holder	•	•	•	•
		Remote Controller — 888 or 88 Display	All off	All off	All off	All off
		Remote Controller — 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
		Auto Mode — 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	•	•	•	•
		Triple Protector — Compressor Protector	•	•	•	•
		Triple 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

S-Inverter		Indoor Unit	AR24TYHYEWKNTC	AR18TYHYEWKNTC	AR12TYHYEWKNTC	AR09TYHYEWKNTC
		Outdoor Unit	AR24TYHYEWKXTC	AR18TYHYEWKXTC	AR12TYHYEWKXTC	AR09TYHYEWKXTC
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) [m²/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
	Power Source	Power Source [V,Hz,Φ]	11.5	10.2	9.2	8.6
Physical Specification	Weight (kg)	Net — Indoor	35.3	30.2	19.3	19.3
		Net — Outdoor	35.6	30.1	26.3	26.3
Technical Information	W/O Pipe	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
	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
		Air Direction Control (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 Indicatior	●	●	●	●
		Indoor Temp. Display	●	●	●	●
		Remote Controller — Spec (Temp)	Setting Temp.	Setting Temp.	Setting Temp.	Setting Temp.
		Remote Controller — Spec	RS-3	RS-3	RS-3	RS-3
		Remote Controller — 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	●	●	●	●
		Triple Protector — Compressor Protector	●	●	●	●
		Triple 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

Window-Type Inverter Specifications

Window-Type Inverter		AW24AYHGAWKNTC	AW18AYHGAWKNTC	AW12AYHGAWKNTC	AW09AYHGAWKNTC
Capacity	Capacity (Cooling, W)	6250 W	4900 W	3380 W	2640 W
	Capacity (Cooling, kJ/h)	22500 kJ/h	17640 kJ/h	12160 kJ/h	9500 kJ/h
Power Input (Nominal)	Cooling	2080 W	1590 W	1095 W	825 W
Current Input (Nominal)	Cooling	9.1 W	7.0 W	4.8 W	3.8 W
Power Input (Rated)	Cooling	2800 W	2050 W	1390 W	1200 W
Current Input (Rated)	Cooling	12.5 W	9.2 W	7.5 W	6 W
	EER (Cooling, Btu/hW)	10.25 Btu/hW	10.51 Btu/hW	10.51 Btu/hW	10.92 Btu/hW
	Permissible Excessive Operating Pressure for the Discharge Side	4.3 Mpa	4.3 Mpa	4.3 Mpa	4.3 Mpa
	Permissible Excessive Operating Pressure for the Suction Side	2.5 Mpa	2.5 Mpa	2.5 Mpa	2.5 Mpa
	Maximum Allowable Pressure	4.9 Mpa	4.9 Mpa	4.7 Mpa	4.7 Mpa
	Climate Type	T1	T1	T1	T1
	Isolation	I	I	I	I
	Moisture Protection	IPX4	IPX4	IPX4	IPX4
Noise Level	Sound Pressure Level (H/M/L, dBA)	59/57/54 dBA	55/53/51 dBA	54/51/50 dBA	54/51/49 dBA
Electrical Data	Power Source(Φ/V/Hz)	1 / 230 / 60	1 / 230 / 60	1 / 230 / 60	1 / 230 / 60
Physical specification	Package Dimension (WxHxD mm)	739×505x890 mm	739×505x890 mm	623×425x806 mm	623×425x806 mm
	Net Dimension (WxHxD mm)	660×428×800 mm	660×428×800 mm	560×375×708 mm	560×375×708 mm
	Gross Weight (kg)	65 kg	60 kg	48 kg	46 kg
	Net Weight(kg)	60 kg	55 kg	45 kg	43 kg
Technical Information	Refrigerant (Type)	R32	R32	R32	R32
	Refrigerant (Charging, kg)	0.84 kg	0.61 kg	0.53 kg	0.55 kg
	Low Ambient (Cooling, °C)	18~43 ℃	18~43 ℃	18~43 ℃	18~43 ℃
	Compressor Type	Rotary	Rotary	Rotary	Rotary
Filter	3-in-1 Anti-Bacterial Filter	Yes	Yes	Yes	Yes
Convenience	Remote Controller	Yes	Yes	Yes	Yes
	24-Hour Timer	Yes	Yes	Yes	Yes
	Dirty Filter Alarm	Yes	Yes	Yes	Yes
Operating Mode	Auto Mode	Yes	Yes	Yes	Yes
	Good Sleep	Yes	Yes	Yes	Yes
	Dehumidification	Yes	Yes	Yes	Yes
	Auto Swing (Horizontal)	Yes	Yes	Yes	Yes
	Soft Start Mode	Yes	Yes	Yes	Yes

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) [m²/min]	36 m²/min	27 m²/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	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	✓	✓
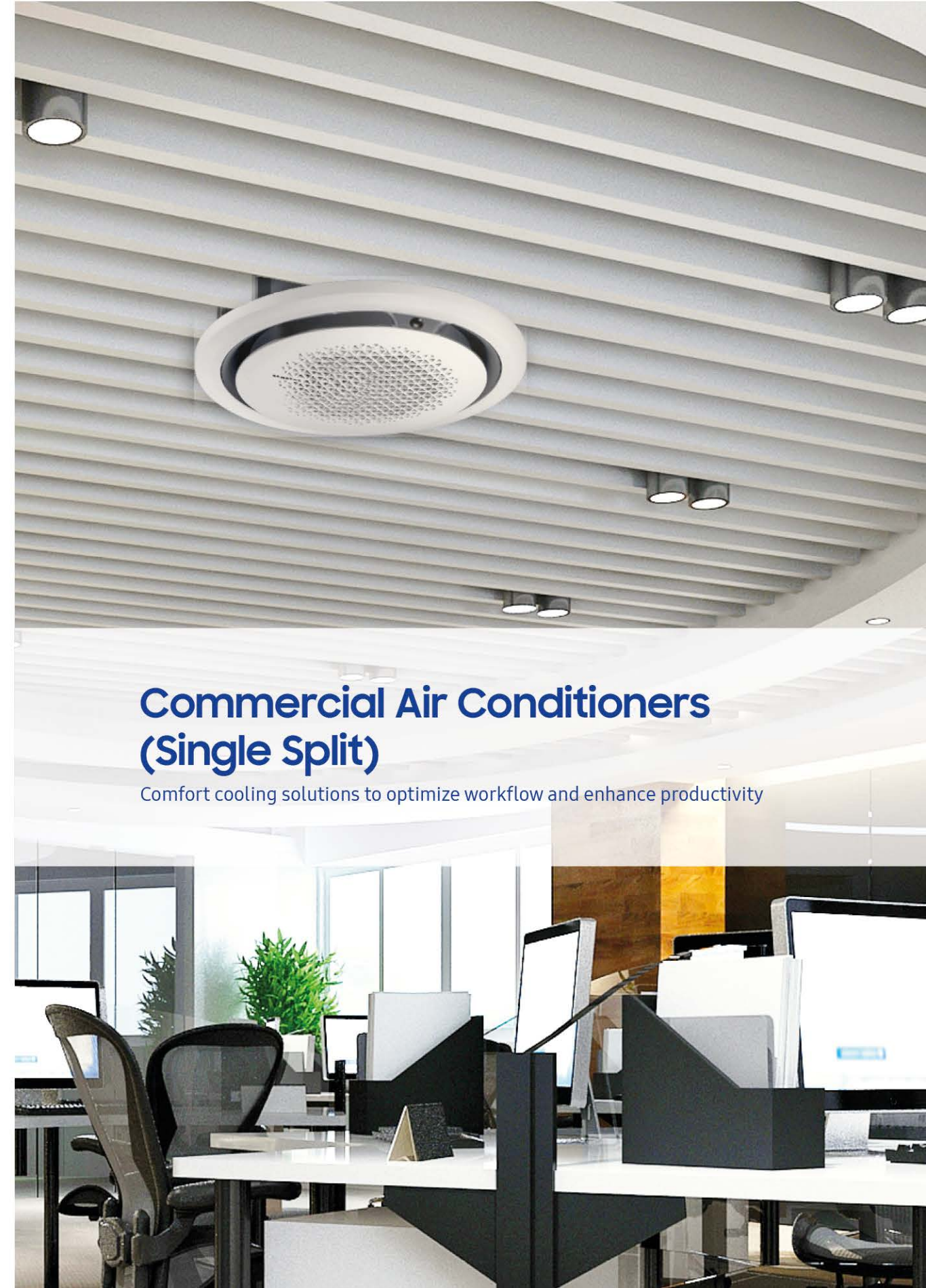
Commercial Air Conditioners (Single Split)

Comfort cooling solutions to optimize workflow and enhance productivity

Samsung's Commercial Air Conditioning systems use advanced technologies to ensure optimal comfort in any commercial space. The CAC also minimizes running costs and energy consumption in the long run.

Universal Outdoor Unit

The Samsung CAC Single, features a universal outdoor unit that supports all types of Samsung indoor components, including the innovative Wind-Free™ air conditioners, 360 Cassette, as well as Console type air conditioners. Samsung CAC offers you a wide selection of indoor units, to ensure the perfect level of comfort that suits your preference.

Compact Size

Make good use of valuable space with a compact and lightweight size. Its space efficient design, worry-free installation, and easy operation make this the perfect choice for offices.

* The net dimensions of 10kW models are 940 x 998 x 330mm (WxHxD), and 6.9kW models are 880 x 798 x 310mm (WxHxD).

4Way Piping

Unlike conventional front-discharge models, the Samsung CAC Single outdoor unit features a 4-way piping system*. Connections at the front, side, bottom and rear give you flexibility in selecting an installation location.

* Only available on certain models.

Digital Inverter Technology

Unlike conventional fixed-speed compressors, which frequently shut off and switch on, Samsung uses highly energy-efficient Digital Inverter technology to automatically adjust compressor speed in response to changes in the surrounding environment. This ensures optimal comfort and power usage, reducing energy consumption by up to 60%*.
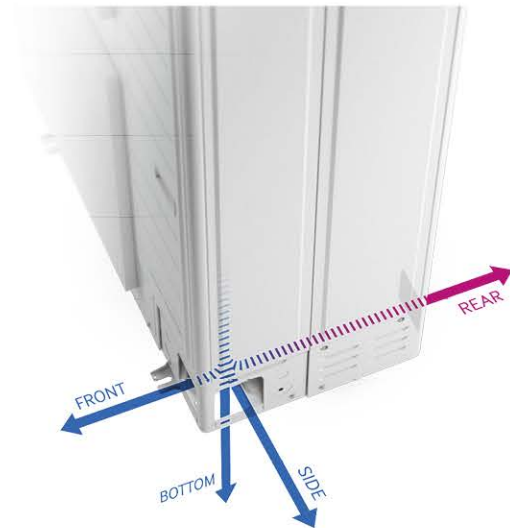
* Based on Samsung's internal test results compared with the Samsung AQV09TWS model. Individual results may vary.

COMMERCIAL AIR CONDITIONERS LINE-UP (SINGLE SPLIT)

Capacity (kW)	360 Cassette	4Way Cassette	1Way Cassette	Duct	Ceiling
3.5			•	•	
5.2			•	•	
7.1	•	•	•	•	•
10.0	•	•		•	•
12.0	•	•		•	•
14.0	•	•		•	•
16.0				•	•

360 CASSETTE

Circular design with omni-directional wind for added style and comfort

The Samsung 360 Cassette offers a brand new way of staying comfortably cool in every corner of the room. An innovative circular design fits perfectly anywhere - it also blows cool air in all directions so the temperature in the whole room spreads evenly. A bladeless outlet ensures that cool air is spread gently without creating a cold draft, expelling 25% more air.

* Within a 9.3m diameter the temperature difference is less than 0.6°C.
** Samsung testing compared to a general 4Way cassette type air conditioner. Within a 5m radius, no cold draft between 0~1.5m in height (with 14.0kW).

Comfort Draft-free comfort across large spaces

Add a touch of style to any room and enjoy comfortable, draft-free cooling across a wide area with the Samsung 360 Cassette air conditioner.

Bladeless Design

Conventional 4Way Cassette type air conditioners can create unpleasant airflow that feels like a cold draft. With the 360 Cassette's bladeless design, cool air disperses gently and descends across the room like natural wind, keeping people comfortably cool without the irritating chill on their skin. Its bladeless design allows the airflow to function well in low angles, expelling 25% more air as it spreads across the room evenly, no matter how wide the space is.

* Based on internal testing compared to a general 4-way cassette air conditioner.
** Within a 5m radius, no cold draft between 0~1.5m in height (with 14.0kW).

Omni-Directional Outlet

Conventional 4Way Cassette type air conditioners create an uneven air distribution as they only blow cold air on 4 directions, leaving some areas warmer. The 360 Cassette features a circular outlet that blows cool air in all directions, so that every corner of a room enjoys the same temperature**.
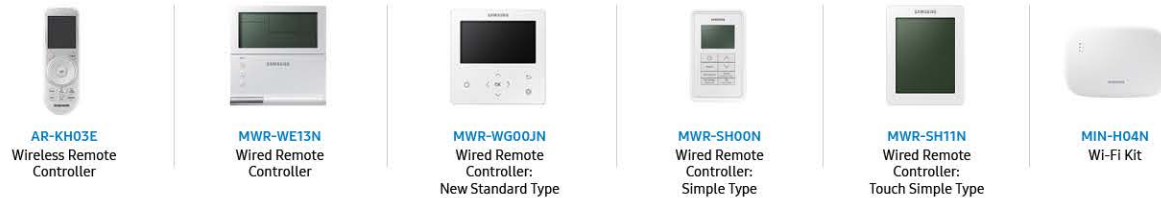
* Samsung testing, compared to a general 4Way cassette type air conditioner.
** Within a 9.3m diameter the temperature difference is less than 0.6°C.
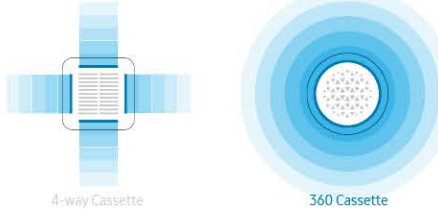
4-way Cassette

360 Cassette

Specifications
360 Cassette

Type				Single Phase			
Model		Indoor Unit		AC071TN4PKC	AC100TN4PKC	AC120TN4PKC	AC140TN4PKC
		Outdoor Unit		AC071TXADKC	AC100TXADKC	AC120TXADKC	AC140TXADKC
System	Capacity	Cooling (Min / Std / Max)	kW	2.2 / 7.1 / 8.5	3.0 / 10.0 / 12.0	3.5 / 12.1 / 14.0	3.5 / 13.4 / 15.5
	Power	Power Input	Cooling (Min / Std / Max)	kW	0.35 / 2.185 / 3.6	0.6 / 3.125 / 4.7	0.8 / 3.67 / 5.3	0.8 / 4.42 / 6.4
		Current Input	Cooling (Min / Std / Max)	A	2.0 / 10.1 / 16.0	3.0 / 14.8 / 20.4	3.7 / 16.7 / 23.0	3.7 / 20.4 / 28.0
	Piping Connections	Liquid Pipe	Φ,mm(inch)	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
		Gas Pipe	Φ,mm(inch)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
		Installation Limitation	Max. Length	m	50	50	75	75
			Max. Height	m	30	30	30	30
	Refrigerant	Type	-	R410A	R410A	R410A	R410A
		Control Method	-	EEV	EEV	EEV	EEV
		Factory Charging	kg	2.00	3.00	3.40	3.40
Indoor Unit	Power Supply		Φ, #, V, Hz	1, 2, 220 - 240, 50/60*	1, 2, 220 - 240, 50/60*	1, 2, 220 - 240, 50/60*	1, 2, 220 - 240, 50/60*
	Fan	Air Flow Rate	High / Mid / Low	m³/min	21.3 / 16.8 / 13.2	31.2 / 25.5 / 19.8	32.0 / 26.0 / 19.5	33.3 / 27.0 / 21.7
	Drain	Drain Pipe	Φ,mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
	Sound	Sound Pressure	H/M/L dB(A)	41 / 37 / 33	44 / 39 / 33	45 / 41 / 36	45 / 42 / 38
	External Dimensions	Net Weight	kg	20.2	25.5	25.5	25.5
		Net Dimensions (WxHxD)	mm	947 x 281 x 947	947 x 365 x 947	947 x 365 x 947	947 x 365 x 947
	Panel Size	Panel model	-	PC4NUDMAN	PC4NUDMAN	PC4NUDMAN	PC4NUDMAN
		Panel Net Weight	kg	3.6	3.6	3.6	3.6
		Net Dimensions (W×H×D)	mm	1,000 x 66 x 1,000	1,000 x 66 x 1,000	1,000 x 66 x 1,000	1,000 x 66 x 1,000
		Drain pump	Drain pump	Included	Included	Included	Included
Outdoor Unit	Power Supply		Φ, #, V, Hz	1, 2, 220 - 240, 50/60*	1, 2, 220 - 240, 50/60*	1, 2, 220 - 240, 50/60*	1, 2, 220 - 240, 50/60*
	Compressor	Type	-	Twin BLDC	Twin BLDC	Twin BLDC	Twin BLDC
	Fan	Air Flow Rate	Cooling m³/min	60	76	110	110
	Sound	Sound Pressure	Cooling dB(A)	50	53	53	54
	External Dimensions	Net Weight	kg	52.8	71.0	86.5	86.5
		Net Dimensions (WxHxD)	mm	880 x 798 x 310	940 x 998 x 330	940 x 1,210 x 330	940 x 1,210 x 330
	Operating Temp. Range	Cooling	°C	-15~50	-15~50	-15~50	-15~50

Accessories (Optional)

AR-KH03E
Wireless Remote Controller

MWR-WE13N
Wired Remote Controller

MWR-WG00JN
Wired Remote Controller: New Standard Type

MWR-SH00N
Wired Remote Controller: Simple Type

MWR-SH11N
Wired Remote Controller: Touch Simple Type

MIN-H04N
Wi-Fi Kit

Panel (Optional)

PC4NUNMAN

PC4NBNMAN

PC4NUDMAN

PC4NBDMAN

PC6EUCDAN
(Purifying Panel)

WindFree™ 4WAY CASSETTE

Cools the room faster without direct wind and consumes less energy

Samsung WindFree™ 4Way Cassette air conditioner cools effortlessly without the feeling of cold wind being blown directly onto your skin*. Maximizing efficiency, it delivers quick, even cooling up to 10 meters**, making it perfect for large spaces.

* Based on internal testing on 4-Way Cassette, AC140RN4DKG/EU, with a PCNUFMAN blade. Results may vary depending on environmental factors and individual use.

WindFree™ Cooling
None of the cold drafts, all of the comfort

The 4Way Cassette's WindFree™ Cooling disperses cool air across the room through 15,700 micro air holes to create a "Still Air" environment*. It eliminates uncomfortable drafts, so that people in the room stay comfortable.

* ASHRAE (American Society of Heating, Refrigerating, and Air-Conditioning Engineers) defines "Still Air" as when the velocity of air is below 0.15m/s, so people cannot feel any cold drafts.

15,700 Micro Air Holes

WindFree™ Cooling (Quiet Operation)
Less detectable noise, Less disturbance

During WindFree™ operation, the 4Way Cassette generates only 34dB(A) of sound, which is significantly less than normal cooling mode*. This makes it ideal for quiet environments such as libraries and schools.

* Based on internal testing of the WindFree™ model AC071RN4DKG/EU. It generates a noticeable reduction in the 1kHz noise band, which is the weakest level of sound that humans are sensitive to.

78dB(A)   55dB(A)   50dB(A)   40dB(A)   34dB(A)

Smart Comfort Operation
Automatically adjusts to create a comfort zone

The WindFree™ 4Way Cassette cools a room to your comfort zone as fast as possible, before switching to WindFree™ Cooling mode. Should the temperature dip out of a comfortable range, the cassette readjusts automatically.

Room Temp. (°C) — Comfort Zone — Time
Beginning **Fast Cooling** → Inside Comfort Zone **Wind-Free™ Cooling** → Out of Comfort Zone **Normal Cooling**

WindFree™ Cooling (Energy Saving)
Reduces energy use by 55%* to save costs

Optimize power usage with the 4Way Cassette's energy-efficient WindFree™ Cooling. In WindFree™ mode, up to 55% less electricity is used compared to normal cooling mode*, so you can stay comfortably cool without worrying about electricity bills.
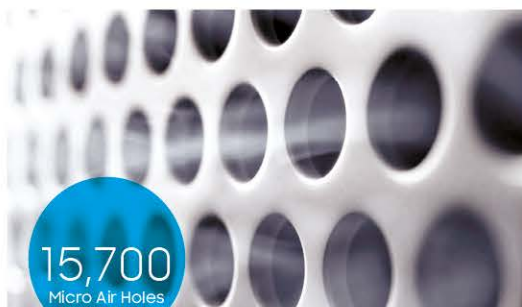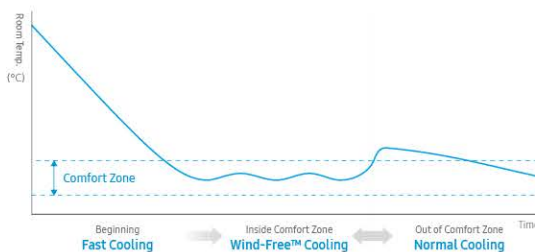
* Based on internal testing of the Wind-Free™ model AC140RN4DKG/EU working at 14.0kW. Operating conditions: outdoors (35°C DB / 24°C WB), indoors (27°C DB / 19°C WB). Results may vary depending on environmental factors and individual usage.

Energy Consumption — Normal Cooling — Up to 55% Saving — Wind-Free™ Cooling — Time Elapsed

10m Long Wind**
A big blade sends cool wind farther

The 4Way Cassette has an optimized 84mm big blade, 31% larger than normal*, that delivers cool air up to 10 meters without "dead zones". Two times the distance of a conventional 4Way system**.

* Compared to a conventional 4Way Cassette with a 64mm blade.
** Based on internal testing on 4Way Cassette, AC140RN4DKG/EU, with a PCNUFMAN blade compared to a conventional 4Way model with a PC4NUSKAN blade. Results may vary depending on environmental factors and individual use.

Lightweight Main Unit
Effortless handling, easy fitting

Unlike conventional air conditioners, the main unit of the 4Way Cassette is made of plastic plates and is approximately 30% lighter*. The lightweight construction makes it much easier to handle, set up and install.

* Based on internal testing compared to competing air conditioners: Samsung (4Way) ACD71RN4DKG/EU = 14.5kg vs A competitor's model = 21kg.

Main Unit Weight **14.5kg**

Motion Detect Sensor (MDS)*
Automatic savings with less energy use

With the absence of movement in a room, the 4Way Cassette's Motion Detect Sensor* switches to WindFree™ mode after 30 minutes and enters standby after 60 minutes, reducing energy consumption by up to 50%**.

* This function is optional. An MDS Kit is required (sold separately): MCR-SMC for the WindFree™ 4Way.
** Based on internal testing of WindFree™ models comparing up to 2 hours continuous operation after the start of the "away" mode vs. 80 minutes operation using the MDS setting. Operating conditions: outdoor unit: AC140RXADNG/EU, indoor unit: AC140RN4DKH/EU (panel: PC4NUFMAN). Standard cooling operation: outdoors (35°C DB / 24°C WB), indoors (27°C DB / 19°C WB). Results may vary depending on environmental factors and individual usage.

Fresher Air Intake
Better ventilation, complete air purity

Maintain a healthy indoor environment by introducing fresh outside air to the room simply by connecting a Fresh Air Intake hose. Circulation of clean air prevents stale air, mold and bacteria.

AIR PURIFYING PANEL

Even more comfort with even cleaner air

Integrated air purifier in air conditioner unit - Air conditioning and air purifying all at once.
With this new air purifying panel you can assure that indoor air quality is safe even in high foot traffic establishments such as retail outlets, restaurants, cafés, and offices.
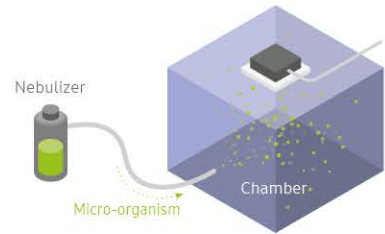
PM1.0 Filter

Pre-Filter

CAC

*Purifying panels are certified by the Korea Air Cleaning Association

Fresher & Cleaner Indoor Air
Pure air, always there

Enjoy fresher & cleaner indoor air with the purification panel that comes with two types of filters : Pre-Filter & PM1.0 Filter
The PMl.0 Filter sterilizes up to 99% of microorganisms that are collected in the filter, as verified by lntertek.*

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

High Cleaning Performance
Fast cleaning in large areas

With large cleaning area of up to 157 sqm, and high CADR of up to 19.9m³/min, it cleans air fast and powerfully, even in large spaces like offices & restaurants.

Based on 14kW models.
CADR : Clean Air Delivery Rate , Cleaning area : The area with height 2.4m & air purifier can reduce air pollution ratio by 50% in 10mins.

Thorough Purification
Removes up to 91% ultra-fine dust

As a result of the Purification Test* that was conducted in a classroom, 58% of ultra-fine dust were removed after Purification operation for 10 minutes, and up to 91% of ultra-fine dust were removed after Purification operation of 30 minutes.

Nebulizer

Chamber

Micro-organism

PC6EUCMAN
(Purifying Panel)

360 Cassette
AC140TN4PKC/TC
AC120TN4PKC/TC
AC100TN4PKC/TC
AC071TN4PKC/TC

PC4EUCEAN
(Purifying Panel)

4Way Cassette
AC140TN4DKC/TC
AC120TN4DKC/TC
AC100TN4DKC/TC
AC071TN4DKC/TC

PC1BWCMAN (Purifying Panel) | **PC1NWCMAN** (Purifying Panel)

1Way Cassette
AC071TN1DKC/TC
AC052TN1DKC/TC | AC035TN1DKC/TC

Intertek
Total Quality. Assured.

More than 99% of the microorganisms, such as Escherichia coli and Staphylococcus aureus, in the PM1.0 filter were destroyed by static electricity.

Intertek is a British multinational company specializing in product assurance, inspection, testing and certification. This test was rigorously conducted by Intertek, and the test result was reported officially.

Specifications
WindFree™ 4Way Cassette

Type				Single Phase			
Model		Indoor Unit		AC071TN4DKC	AC100TN4DKC	AC120TN4DKC	AC140TN4DKC
		Outdoor Unit		AC071TXADKC	AC100TXADKC	AC120TXADKC	AC140TXADKC
System	Capacity	Cooling (Min / Std / Max)	kW	2.2 / 7.1 / 8.5	3.0 / 10.0 / 12.0	3.5 / 12.1 / 14.0	3.5 / 13.4 / 15.5
	Power	Power Input	Cooling (Min / Std / Max) kW	0.35 / 2.185 / 3.6	0.6 / 3.125 / 4.7	0.8 / 3.67 / 5.3	0.8 / 4.42 / 6.4
		Current Input	Cooling (Min / Std / Max) A	2.0 / 10.1 / 16.0	3.0 / 14.8 / 20.4	3.7 / 16.7 / 23.0	3.7 / 20.4 / 28.0
	Piping Connections	Liquid Pipe	Φ,mm(inch)	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
		Gas Pipe	Φ,mm(inch)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
		Installation Limitation	Max. Length m	50	50	75	75
			Max. Height m	30	30	30	30
	Refrigerant	Type	-	R410A	R410A	R410A	R410A
		Control Method	-	EEV	EEV	EEV	EEV
		Factory Charging	kg	2.00	3.00	3.40	3.40
Indoor Unit	Power Supply		Φ, #, V, Hz	1, 2, 220 - 240, 50/60*	1, 2, 220 - 240, 50/60*	1, 2, 220 - 240, 50/60*	1, 2, 220 - 240, 50/60*
	Fan	Air Flow Rate	High / Mid / Low m³/min	20.8 / 17.8 / 14.8	30.3 / 24.3 / 19.4	31.5 / 25.5 / 20.5	31.5 / 26.7 / 21.8
	Drain	Drain Pipe	Φ,mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
	Sound	Sound Pressure	H/M/L dB(A)	40 / 36 / 32	43 / 38 / 33	44 / 40 / 35	44 / 41 / 37
	External Dimensions	Net Weight	kg	14.5	20.0	20.0	20.0
		Net Dimensions (WxHxD)	mm	840 x 204 x 840	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840
	Panel Size	Panel model	-	PC4NUFMAN	PC4NUFMAN	PC4NUFMAN	PC4NUFMAN
		Panel Net Weight	kg	6.3	6.3	6.3	6.3
		Net Dimensions (W×H×D)	mm	950 x 48 x 950	950 x 48 x 950	950 x 48 x 950	950 x 48 x 950
		Drain pump	Drain pump -	Included	Included	Included	Included
Outdoor Unit	Power Supply		Φ, #, V, Hz	1, 2, 220 - 240, 50/60*	1, 2, 220 - 240, 50/60*	1, 2, 220 - 240, 50/60*	1, 2, 220 - 240, 50/60*
	Compressor	Type	-	Twin BLDC	Twin BLDC	Twin BLDC	Twin BLDC
	Fan	Air Flow Rate	Cooling m³/min	60	76	110	110
	Sound	Sound Pressure	Cooling dB(A)	50	53	53	54
	External Dimensions	Net Weight	kg	52.8	71.0	86.5	86.5
		Net Dimensions (WxHxD)	mm	880 x 798 x 310	940 x 998 x 330	940 x 1,210 x 330	940 x 1,210 x 330
	Operating Temp. Range	Cooling	℃	-15~50	-15~50	-15~50	-15~50

Accessories (Optional)

AR-EH03E
Wireless Remote Controller

MWR-WE13N
Wired Remote Controller

MWR-WG00JN
Wired Remote Controller: New Standard Type

MWR-SH00N
Wired Remote Controller: Simple Type

MWR-SH11N
Wired Remote Controller: Touch Simple Type

MIN-H04N
Wi-Fi Kit

Panel (Optional)

PC4NUFMAN

PC4NUCEAN
(Purifying Panel)

* Specifications may differ by country.
** Specifications may be subject to change without prior notice.

WindFree™ 1WAY CASSETTE

Gentle cooling even with limited space

The Samsung 1Way Cassette air conditioner's WindFree™ Cooling, cools effectively without the unpleasant feeling of chilly wind being blown directly onto your skin. Its energy-efficient operation means the outdoor unit uses less electricity compared to normal mode*. The 700mm big blade with a wider operating angle creates a comfortably cool environment for every corner of your space.

WindFree™ Cooling
Efficient cooling without the harsh breeze

Stay comfortably cool without the sensation of cold drafts with WindFree™ Cooling. Cool air is gently dispersed across the room through 10,000 micro air holes, which creates a "Still Air" environment* with a very low air speed of 0.15m/s. There are no drafts to disturb you and you won't feel too hot or too cold.

* ASHRAE (American Society of Heating, Refrigerating, and Air-Conditioning Engineers) defines "Still Air" as when the velocity of air is below 0.15m/s, so people cannot feel any cold drafts.

10,000 Micro Air Holes

Slim and Compact Design

With the height of only 135mm, the slim WindFree™ 1Way Cassette is compact. Its slim design does not only make it visually pleasing but also easy to fit in the smallest ceiling gaps.

* Based on 3.6kW model. 5.2kW & 7.1kW measure 138mm.

135mm
WALL CEILING

Lighter Indoor Unit

10.6kg

Samsung applies ABS material to the WindFree™ 1Way Cassette to provide a lightweight (10.6kg) indoor unit. This slim and lightweight design makes installation and maintenance a breeze.

No overflowing drain water

Check valve: Prevents drain water from reversing

Minimises Remaining Drain Water

The check valve on the drain pump prevents water from flowing backward into the drain pan. This minimizes the drain pan's water level so that you will never have to worry about water stagnation or overflowing of drain water in your interior space.

Specifications
WindFree™ 1Way Cassette

Type					Single Phase		
Model		Indoor Unit			AC035TN1DKC	AC052TN1DKC	AC071TN1DKC
		Outdoor Unit			AC035TXADKC	AC052TXADKC	AC071TXADKC
System	Capacity	Cooling (Min / Std / Max)		kW	1.0 / 3.5 / 4.1	1.5 / 5.0 / 6.0	1.8 / 6.1 / 7.8
	Power	Power Input	Cooling (Min / Std / Max)	kW	0.24 / 1.045 / 1.5	0.3 / 1.47 / 2.1	0.4 / 1.97 / 3.6
		Current Input	Cooling (Min / Std / Max)	A	1.6 / 5.4 / 7.5	1.7 / 7.1 / 9.5	2.3 / 9.3 / 16.0
	Piping Connections	Liquid Pipe		Φ,mm(inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
		Gas Pipe		Φ,mm(inch)	9.52 (3/8)	12.7 (1/2)	15.88 (5/8)
		Installation Limitation	Max. Length	m	20	30	50
			Max. Height	m	15	20	30
	Refrigerant	Type		-	R410A	R410A	R410A
		Control Method		-	EEV	EEV	EEV
		Factory Charging		kg	1.05	1.30	2.00
Indoor Unit	Power Supply			Φ, #, V, Hz	1, 2, 220 - 240, 50/60*	1, 2, 220 - 240, 50/60*	1, 2, 220 - 240, 50/60*
	Fan	Air Flow Rate	High / Mid / Low	m³/min	9.0 / 8.2 / 7.2	14.0 / 13.0 / 12.0	15.0 / 14.0 / 12.5
	Drain	Drain Pipe		Φ,mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
	Sound	Sound Pressure	H/M/L/Silent	dB(A)	38 / 35 / 32 / 27	41 / 38 / 35 / 29	46 / 42 / 38 / 30
	External Dimensions	Net Weight		kg	9.2	13.4	13.4
		Net Dimensions (WxHxD)		mm	970 x 135 x 410	1,200 x 138 x 450	1,200 x 138 x 450
	Panel Size	Panel model		-	PC1NWFMAN	PC1BWFMAN	PC1BWFMAN
		Panel Net Weight		kg	4.3	5.0	5.0
		Net Dimensions (W×H×D)		mm	1,198 x 35 x 500	1,410 x 35 x 500	1,410 x 35 x 500
		Drain pump	Drain pump	-	Included	Included	Included
Outdoor Unit	Power Supply			Φ, #, V, Hz	1, 2, 220 - 240, 50/60*	1, 2, 220 - 240, 50/60*	1, 2, 220 - 240, 50/60*
	Compressor	Type		-	Single BLDC	Twin BLDC	Twin BLDC
	Fan	Air Flow Rate	Cooling	m³/min	40	50	60
	Sound	Sound Pressure	Cooling	dB(A)	48	50	50
	External Dimensions	Net Weight		kg	30.0	40.5	52.5
		Net Dimensions (WxHxD)		mm	790 x 548 x 285	880 x 638 x 310	880 x 798 x 310
	Operating Temp. Range	Cooling		°C	-15~50	-15~50	-15~50

Accessories (Optional)

AR-EH03E Wireless Remote Controller	MWR-WE13N Wired Remote Controller	MWR-WG00JN Wired Remote Controller: New Standard Type	MWR-SH00N Wired Remote Controller: Simple Type	MWR-SH11N Wired Remote Controller: Touch Simple Type	MIN-H04N Wi-Fi Kit

Panel (Optional)

PC1BWCMAN (Purifying Panel)	PC1NWFMAN (2.8kW - 3.6kW)	PC1BWFMAN (5.6kW - 7.1kW)	PC1NWCMAN (Purifying Panel)

* Specifications may differ by country.
** Specifications may be subject to change without prior notice.
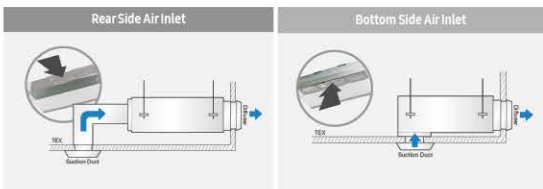
SLIM DUCT

Flexible installation options and easy maintenance

The Samsung Slim Duct air conditioner has a 2-way air inlet and a slim design. With its 199mm height and 700mm width*, you can choose its location with more flexibility. It can be discretely concealed and easily installed. A filter cleaning indicator automatically notifies you when the filter is due for cleaning after 1,000 hours of operation**.

* Based on the AM036KNLDEH/EU model. The width of other models may vary.
** 1,000 hours is the default setting, but this can be adjusted to 2,000 hours on the internal PCB.

Rear Side Air Inlet   Bottom Side Air Inlet

2-way Air Inlet
Adaptable installation, inconspicuous cooling

The Slim Duct features a 2-way air inlet – bottom or rear – that gives you more flexibility in selecting an installation location. It can be configured to suit almost any room, providing optimum airflow to the surrounding space while discretely blending in behind ceilings.

Slim & Compact Design
A space-saving option for homes and offices

With a height of just 199mm and a width of 700mm*, the Slim Duct's compact design is highly elegant and unobtrusive, so it can be discretely concealed while enhancing the look and feel of almost any space. Its easy installation, maintenance & repair, provide wide range of businesses a suitable and effective solution for cooling and heating.

* Based on the AM036KNLDEH/EU model. The width of other models may vary.

DUCT S

All your duct needs in one versatile unit

The Samsung Duct S air conditioner is 25% smaller and 30% lighter than conventional air conditioners*, thus fitting easily into small spaces while delivering consistently cooling and heating. This feature instantly optimizes air volume and pressure while minimizing noise.

* Based on internal testing comparing the Samsung Duct S AM030MNHDCH/AA model with the conventional AM030JNHDCH/AA model. Volume: Duct S = 210L vs. Conventional = 280.8L. Weight: Duct S = 40.5kg vs. Conventional = 58kg.
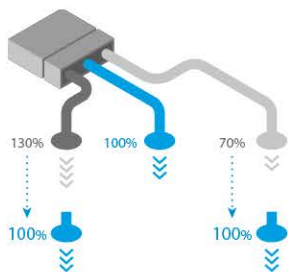
Auto ESP Adjustment
Automatically more comfort & performance

For maximum comfort and efficiency, the Auto ESP Adjustment senses external static pressure (ESP) and adjusts fan speed to optimize air volume and pressure and ensuring consistent cooling and heating with minimum effort in any environment. The ESP is also easily adjusted via remote control, reducing installation time.

Easy Installation & Maintenance
Save time, effort and space

The Samsung Duct S air conditioner is simple to install, handle and maintain. It's compact and light design make it easy to maintain and repair.

Specifications
Ceiling Ducted

Type				Single Phase						
Model		Indoor Unit		AC035TNLDKC	AC052TNLDKC	AC071TNMDKC	AC100TNMDKC	AC120TNMDKC	AC140TNMDKC	AC160TNMDKC
		Outdoor Unit		AC035TXADKC	AC052TXADKC	AC071TXADKC	AC100TXADKC	AC120TXADKC	AC140TXADKC	AC160TXADKC
System	Capacity	Cooling (Min / Std / Max)	kW	1.0 / 3.5 / 4.1	1.2 / 5.0 / 5.6	2.2 / 6.5 / 8.0	3.0 / 10.0 / 12.0	3.5 / 12.1 / 14.0	3.5 / 13.4 / 15.5	4.3 / 15.8 / 18.0
	Power	Power Input	Cooling (Min / Std / Max)	kW	0.24 / 1.075 / 1.5	0.35 / 1.565 / 2.2	0.35 / 2.13 / 3.6	0.6 / 3.125 / 4.7	0.8 / 3.67 / 5.3	0.8 / 4.42 / 6.4	0.95 / 5.215 / 6.8
		Current Input	Cooling (Min / Std / Max)	A	1.6 / 5.5 / 7.5	2.1 / 7.4 / 10.0	2.0 / 9.7 / 16.0	3.0 / 14.8 / 20.4	3.7 / 16.7 / 23.0	3.7 / 20.4 / 28.0	4.0 / 23.8 / 31.0
	Piping Connections	Liquid Pipe	Φ,mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
		Gas Pipe	Φ,mm (inch)	9.52 (3/8)	12.7 (1/2)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	19.02 (3/4)
		Installation Limitation	Max. Length	m	20	30	50	50	75	75	75
			Max. Height	m	15	20	30	30	30	30	30
	Refrigerant	Type	-	R410A	R410A	R410A	R410A	R410A	R410A	R410A
		Control Method	-	EEV	EEV	EEV	EEV	EEV	EEV	EEV
		Factory Charging	kg	1.05	1.30	2.00	3.00	3.40	3.40	3.80
Indoor Unit	Power Supply		Φ, #, V, Hz	1, 2, 220 - 240, 50/60*	1, 2, 220 - 240, 50/60*	1, 2, 220 - 240, 50/60*	1, 2, 220 - 240, 50/60*	1, 2, 220 - 240, 50/60*	1, 2, 220 - 240, 50/60*	1, 2, 220 - 240, 50/60*
	Fan	Air Flow Rate	High / Mid / Low	m³/min	9.5 / 8.5 / 7.5	14.5 / 12.0 / 9.5	18.0 / 14.5 / 11.0	28.0 / 25.0 / 22.0	33.0 / 28.0 / 23.0	33.0 / 28.0 / 23.0	50.0 / 44.5 / 39.0
	Drain	Drain Pipe	Φ,mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
	Sound	Sound Pressure	H/M/L	dB(A)	30 / 28 / 26	33 / 30 / 27	37 / 33 / 29	36 / 33 / 30	37 / 34 / 30	37 / 34 / 30	44 / 40 / 36
	External Dimensions	Net Weight	kg	14.8	26.5	26.5	38.5	38.5	38.5	53.5
		Net Dimensions (WxHxD)	mm	700 x 199 x 440	850 x 250 x 700	850 x 250 x 700	1,300 x 300 x 700	1,300 x 300 x 700	1,300 x 300 x 700	1,200 x 360 x 650
	Drain pump		-	-	MDP-G075SP MDP-G075SQ	MDP-G075SP MDP-G075SQ	MDP-G075SP MDP-G075SQ	MDP-G075SP MDP-G075SQ	MDP-G075SP MDP-G075SQ	MDP-M075SGU2D
Outdoor Unit	Power Supply		Φ, #, V, Hz	1, 2, 220 - 240, 50/60*	1, 2, 220 - 240, 50/60*	1, 2, 220 - 240, 50/60*	1, 2, 220 - 240, 50/60*	1, 2, 220 - 240, 50/60*	1, 2, 220 - 240, 50/60*	1, 2, 220 - 240, 50/60*
	Compressor	Type	-	Single BLDC	Twin BLDC	Twin BLDC	Twin BLDC	Twin BLDC	Twin BLDC	Twin BLDC
	Fan	Air Flow Rate	Cooling	m³/min	40	50	60	76	110	110	143
	Sound	Sound Pressure	Cooling	dB(A)	48	50	50	53	53	54	56
	External Dimensions	Net Weight	kg	30.5	40.5	52.5	71.0	86.5	86.5	96.0
		Net Dimensions (WxHxD)	mm	790 x 548 x 285	880 x 638 x 310	880 x 798 x 310	940 x 998 x 330	940 x 1,210 x 330	940 x 1,210 x 330	940 x 1,420 x 330
	Operating Temp. Range	Cooling	℃	-15~50	-15~50	-15~50	-15~50	-15~50	-15~50	-15~50

Accessories (Optional)

AR-EH03E
Wireless Remote Controller

MWR-WE13N
Wired Remote Controller

MWR-WG00JN
Wired Remote Controller: New Standard Type

MWR-SH00N
Wired Remote Controller: Simple Type

MWR-SH11N
Wired Remote Controller: Touch Simple Type

MRK-A10N
Receiver Kit

MIN-H04N
Wi-Fi Kit

* Specifications may differ by country.
** Specifications may be subject to change without prior notice.

BIG CEILING

Quickly and efficiently cools more space

The Samsung Big Ceiling air conditioner is a deceptively simple looking indoor ceiling unit that delivers a powerful but efficient cooling performance. It blends into any space and creates a comfortable, tranquil environment by blowing cool air much farther. As fewer units are required, this also saves money, space and installation time.
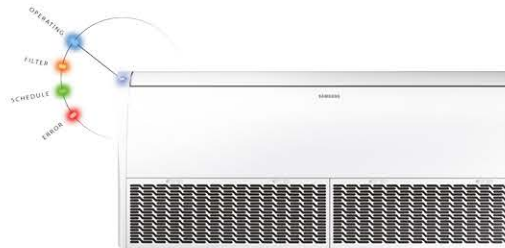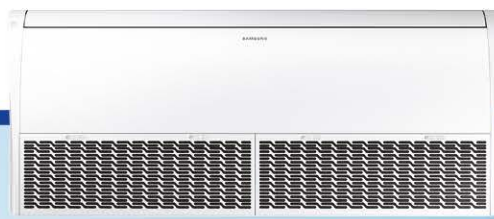
Powerful Cooling
Big area, potent cooling

The Big Ceiling air conditioner's powerful cooling means you can cool a large area in a short time, using a low number of indoor units. It blows cool air over a long distance, up to 15 meters, which is 70% more than conventional units*. With one unit able to cover every 20sqm area, money, space and installation time is saved.

* Based on internal testing. Results may vary depending on environmental factors and individual use.

Simple & Unique Design
Modern and minimalist design

The Big Ceiling air conditioner has a harmoniously seamless minimalist design. The aerodynamic enlarged blade and geometric grill maximizes its efficiency while blending in seamlessly. Its simple aesthetic display provides clear status information, which serves as an enhancement for both the look and air quality of any space.

CONVERTIBLE CEILING

Maximizes the space without compromising on comfort

Under-ceiling mounted air conditioning units are perfect for large areas such as galleries, workshops, offices and commercial premises that have limited floor and wall space. Installed under the ceiling or as a free-standing floor unit, it has a minimal footprint that maximizes the use of the available floor space, while being powerful enough to cool a large area.

Two-way Installation
Ideal cooling setup your space deserves

Two-way installation lets you to choose the best solution for your requirements. This efficient, cost-effective and elegant design allows the unit to be deployed under the ceiling or as a free-standing floor unit. If space is limited and airflow needs to come from above, the ceiling setting is ideal, while the floor standing option is perfect when room is abundant.

Slim and Compact Size
Flexible and economical

The Convertible Ceiling unit is slim and compact, enabling a wider choice of installation locations, even though its cooling power is comparable to larger products. Its smaller size and lighter weight means businesses benefit from reduced set-up costs.

Dimensions (W x H x D mm)
1,000 x 200 x 650

Weight (kg)
20

Specifications
Ceiling

Type				Single Phase				
Model		Indoor Unit		AC071TNCDKC	AC100TNCDKC	AC120TNCDKC	AC140TNCDKC	AC160TNCDKC
		Outdoor Unit		AC071TXADKC	AC100TXADKC	AC120TXADKC	AC140TXADKC	AC160TXADKC
System	Capacity	Cooling (Min / Std / Max)	kW	2.3 / 7.1 / 9.2	3.0 / 10.0 / 12.0	3.5 / 12.1 / 14.0	3.5 / 13.4 / 15.5	4.3 / 15.0 / 17.6
	Power	Power Input	Cooling (Min / Std / Max)	kW	0.4 / 2.0 / 3.3	0.6 / 3.125 / 4.7	0.8 / 3.67 / 5.3	0.8 / 4.42 / 6.4	0.95 / 4.95 / 6.8
		Current Input	Cooling (Min / Std / Max)	A	2.4 / 9.5 / 15.0	3.0 / 14.8 / 20.4	3.7 / 16.7 / 23.0	3.7 / 20.4 / 9.5	4.0 / 22.6 / 31.0
	Piping Connections	Liquid Pipe	Φ, mm (inch)	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
		Gas Pipe	Φ, mm (inch)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	19.02 (3/4)
		Installation Limitation	Max. Length	m	50	50	75	75	75
			Max. Height	m	30	30	30	30	30
	Refrigerant	Type	-	R410A	R410A	R410A	R410A	R410A
		Control Method	-	EEV	EEV	EEV	EEV	EEV
		Factory Charging	kg	2.00	3.00	3.40	3.40	3.80
Indoor Unit	Power Supply		Φ, #, V, Hz	1, 2, 220 - 240, 50/60*	1, 2, 220 - 240, 50/60*	1, 2, 220 - 240, 50/60*	1, 2, 220 - 240, 50/60*	1, 2, 220 - 240, 50/60*
	Fan	Air Flow Rate	High / Mid / Low	m³/min	23.0 / 19.0 / 15.0	26.0 / 23.0 / 19.0	30.0 / 24.0 / 20.0	34.0 / 27.0 / 23.0	37.0 / 31.0 / 26.0
	Drain	Drain Pipe	Φ,mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
	Sound	Sound Pressure	H/M/L	dB(A)	45 / 40 / 35	42 / 38 / 34	44 / 41 / 37	46 / 42 / 38	50 / 47 / 43
	External Dimensions	Net Weight	kg	32.6	42.0	42.0	42.0	42.0
		Net Dimensions (WxHxD)	mm	1,350 x 235 x 675	1,650 x 235 x 675	1,650 x 235 x 675	1,650 x 235 x 675	1,650 x 235 x 675
Outdoor Unit	Power Supply		Φ, #, V, Hz	1, 2, 220 - 240, 50/60*	1, 2, 220 - 240, 50/60*	1, 2, 220 - 240, 50/60*	1, 2, 220 - 240, 50/60*	1, 2, 220 - 240, 50/60*
	Compressor	Type	-	Twin BLDC	Twin BLDC	Twin BLDC	Twin BLDC	Twin BLDC
	Fan	Air Flow Rate	Cooling	m³/min	60	76	110	110	143
	Sound	Sound Pressure	Cooling	dB(A)	50	53	53	54	56
	External Dimensions	Net Weight	kg	52.5	71.0	86.5	86.5	96.0
		Net Dimensions (WxHxD)	mm	880 x 798 x 310	940 x 998 x 330	940 x 1,210 x 330	940 x 1,210 x 330	940 x 1,420 x 330
	Operating Temp. Range	Cooling	°C	-15~50	-15~50	-15~50	-15~50	-15~50

Accessories (Optional)

AR-EH03E
Wireless Remote Controller

MWR-WE13N
Wired Remote Controller

MWR-WG00JN
Wired Remote Controller: New Standard Type

MWR-SH00N
Wired Remote Controller: Simple Type

MWR-SH11N
Wired Remote Controller: Touch Simple Type

MIN-H04N
Wi-Fi Kit

* Specifications may differ by country.
** Specifications may be subject to change without prior notice.

SAMSUNG

A-TK-900

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