SAMSUNG

Air Solutions

Mar–Apr
2021

Intelligent innovations.
Redefining comfort.

Living Smart

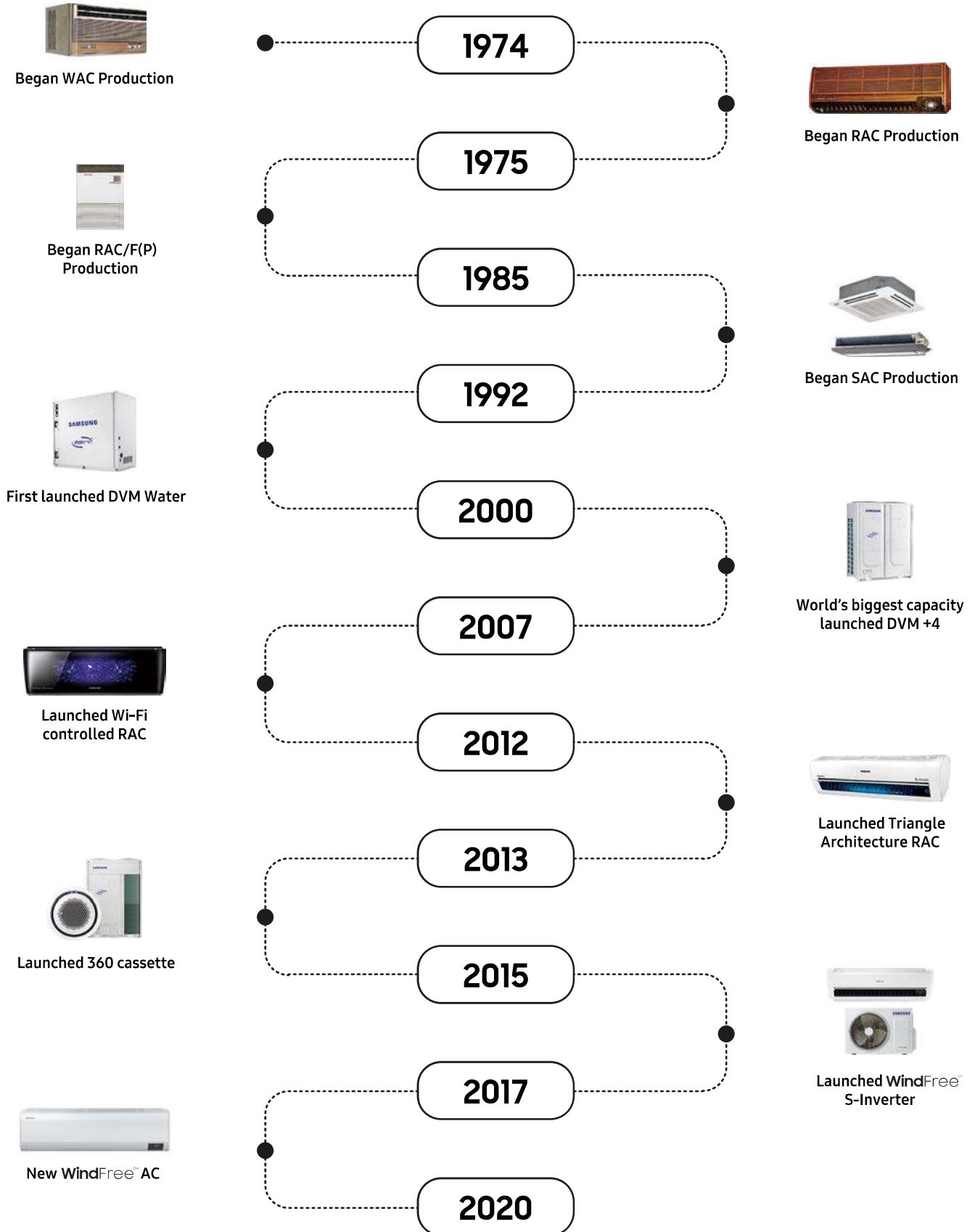### Ultimate Cooling

Saving Energy and Environment

Samsung air conditioners are renowned for bringing cutting edge technology to you, but they also feature designs that complement your lifestyle.

Don't believe us, trust the bevvy of international awards that recognise our design pedigree.

This amalgamation of mesmerising designs and intelligent innovations is what makes them unique, for they not only keep you comfortable, while being energy efficient, but they also look good while they are at it.

With Samsung air conditioners discover a way of life that is cool, convenient, and chic.

*Image simulated.

A heritage of 46 years

Began WAC Production

1974

Began RAC Production

Began RAC/F(P) Production

1975

1985

Began SAC Production

First launched DVM Water

1992

2000

World's biggest capacity launched DVM +4

Launched Wi-Fi controlled RAC

2007

2012

Launched Triangle Architecture RAC

Launched 360 cassette

2013

2015

Launched WindFree S-Inverter

New WindFree AC

2017

2020

*Image simulated.

Room Air Conditioners

System Air Conditioners

Air Purifiers

Room AC 2020 Range

WindFree™
Air Conditioners

06-08

Convertible
Air Conditioners

09-11

Eco Inverter
Air Conditioners

12-13

On-off
Air Conditioners

14-15

WindFree™ Range

Capacity range	3.20kW (1.0T), 5.00kW (1.5T)
Energy Rating	5 Star and 3 Star
Cooling features	WindFree™ Cooling Convertible Mode Copper Condenser Turbo Cooling Good Sleep Mode Dehumidification mode
Convenience features	AI Auto-Cooling with WiFi Motion detect sensor Voltage Fluctuation Protector Smart Installation Triple Protector Plus Auto Clean, Super Silent Db Easy Filter
Warranty	10 years warranty on compressor 5 years warranty on Condenser 5 years warranty on PCB Controller

10 YEAR Warranty on the compressor | **5 YEAR** Warranty on copper condenser | **5 YEAR** Warranty on PCB controller | **WI-FI** | **AI auto cooling** | **Motion detect sensor** | **Convertible Mode** | **Voltage Fluctuation Protector**
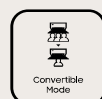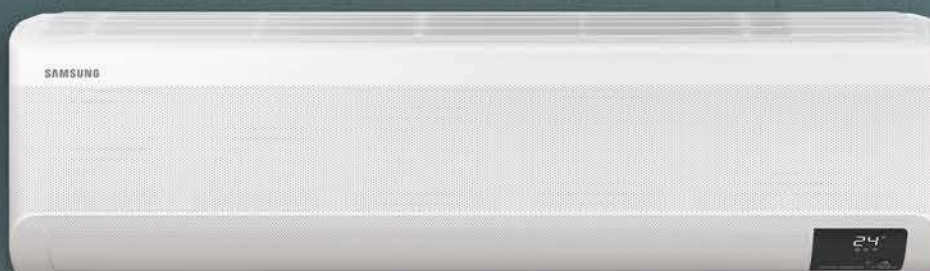
3.20kW(1.0T) – 5.00kW(1.5T)
◯ Plain White

5.00kW(1.5T)
◯ Plain White

1. Stay comfortably cool without feeling cold

WindFree™ cools gently and quietly without the unpleasant feeling of cold wind on your skin, as it disperses air through 23000 micro air holes.

## 2. Enjoy a more intelligent way of living

AI auto cooling feature automatically optimizes the cooling by analyzing the usage behavior. Based on your preferred temperature and the outside temperature, it automatically switches to the most appropriate mode.

3. Automatically cools more efficiently

Direct wind
Tracks your movement to follow you wherever you move.

Indirect wind
Tracks your movement to avoid wind from blowing towards you.

The user can control the direction of the wind. The motion detect sensor starts detecting 5 mins after turning on. If there is no movement after 20 mins it will automatically switch to the WindFree™ mode to save energy.

4. Low noise levels

Super Silent Samsung air conditioner works much more smoothly and quietly as its stable operation produces less vibration and noise.

5. Remotely control it anytime, anywhere

Using the SmartThings App* you can remotely control and monitor the air conditioner with just a touch. Or simply tell artificial intelligence (AI) system what you want and it does it. It even suggests the best settings.

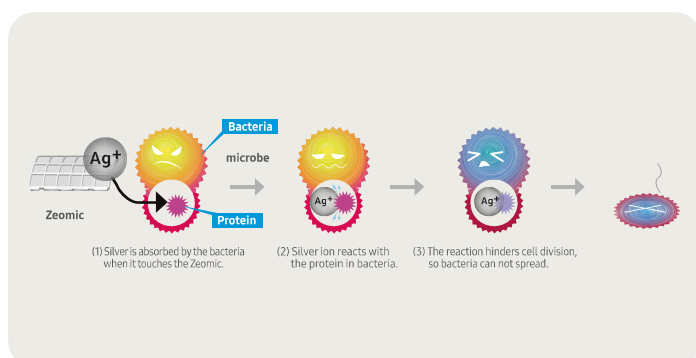## 6. Reduces energy use by 77%^ to save money

WindFree™ — Saving up to 77%

Fast Cooling — 100%
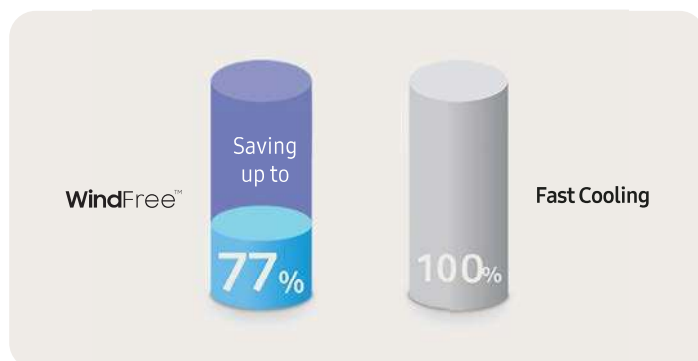
The compressor and the indoor fan operate efficiently to maintain the desired temperature, thus using minimum energy.

7 Easy to clean anti-bacterial filter

Ag+
Zeomic
Bacteria
microbe
Protein
Ag+
Ag+

(1) Silver is absorbed by the bacteria when it touches the Zeomic.
(2) Silver ion reacts with the protein in bacteria.
(3) The reaction hinders cell division, so bacteria can not spread.

Keep your air conditioner working efficiently with less effort. The Easy Filter Plus is located outside, on the top, so it can easily be taken out and cleaned. Its dense mesh keeps the Heat Exchanger clean and an anti-bacterial coating helps protect you against dangerous airborne contaminants*.

8 Stable and durable in harsh conditions

Enjoy a long - lasting performance in challenging environments. Triple Protector Plus technology prevents damage from power surges and fluctuating electrical currents. Its anti-corrosion coating also protects the condenser and cabinet in harsh conditions.

9 Simply cleans itself

checking ▶ ▶ ▶   checking ▶ ▶ ▶

Mild Wind (10min.)   Wind-Free™ (10min.)   Wind-Free™ (10min.)

Keep the inside of your air conditioner hygienic by doing nothing! After it has been working, the Auto Clean function automatically dries the Heat Exchanger using a 3-step process. It removes moisture by blowing air for between 10 to 30 minutes. So it prevents the build-up of bacteria and odors.

10 Designed to cool faster, wider and farther



Neodymium Magnets

Twin Tube Muffler

Save money every day with highly energy-efficient Digital Inverter Boost technology. It maintains the desired temperature with less fluctuation. It also has neodymium magnets and a Twin Tube Muffler, so it works efficiently, quietly and lasts much longer. And it reduces energy usage by up to 77%^.

Convertible Range

Capacity range	3.20kW(1.0T), 5.00kW (1.5T) 6.00kW(2.0T)
Energy Rating	5 Star and 3 Star
Cooling features	Convertible Mode, 8 pole Motor, Copper Condenser,Turbo Cooling, Good Sleep Mode, Dehumidification mode
Convenience features	Voltage Fluctuation Protector, Smart Installation, Triple Protector Plus, Auto Clean, Anti Bacteria Filter
Warranty	10 years warranty on compressor 5 years warranty on Condenser 5 years warranty on PCB Controller

10 YEAR Warranty on the compressor	5 YEAR Warranty on PCB controller	5 YEAR Warranty on copper condenser	Convertible Mode	8 POLE 8-Pole Inverter	Copper condenser	Voltage Fluctuation Protector	Turbo cooling mode
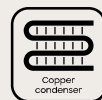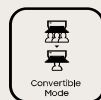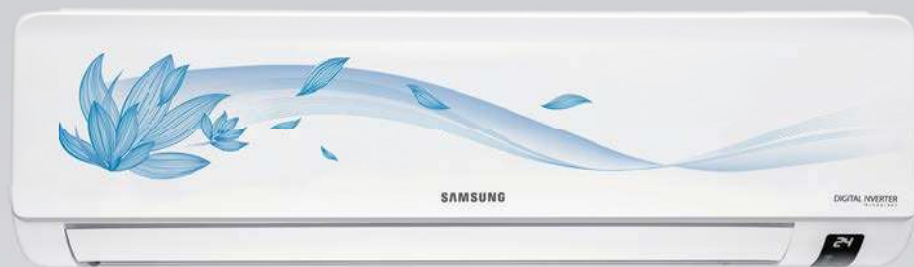
3.20kW(1.0T) – 6.00kW(2.0T)	3.20kW(1.0T) – 6.00kW(2.0T)	3.2kW(1.0T) – 5.00kW(1.5T)
○ Paradise Bloom Pattern	○ Plain White Pattern	○ Maldives White

1 Controlling the cooling capacity

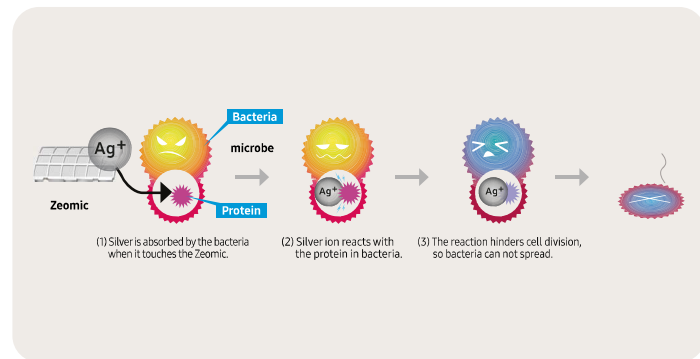With more people in room (1.5T)   ▶   With one person in room (1.0T)
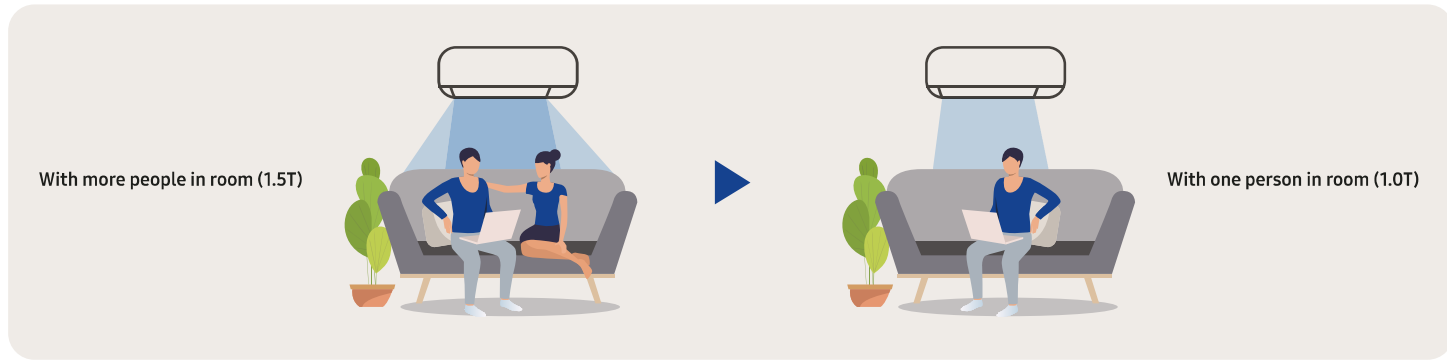
Powered by innovation, in the convertible mode cooling can be adjusted according to the number of people in the room. This helps to maintain a pleasant atmosphere and save energy. The 2.0T capacity gets converted to 1.5T, 1.5T gets converted to 1.0T and 1.0T gets converted to 0.8T.

2 Works smart, saves energy

An energy-efficient Digital Inverter 8-Pole maintains the desired temperature without frequently turning off and on. So it uses less energy* and helps you stay comfortable for long periods.

3 Easy to clean anti-bacterial filter

Bacteria

microbe

Zeomic

Ag+

Protein

(1) Silver is absorbed by the bacteria when it touches the Zeomic.

(2) Silver ion reacts with the protein in bacteria.

(3) The reaction hinders cell division, so bacteria can not spread.

Keep your air conditioner working efficiently with less effort. The Filter Plus is located outside, on the top, so it can easily be taken out and cleaned. Its dense mesh keeps the Heat Exchanger clean and an anti-bacterial coating helps protect you against dangerous airborne contaminants^.

4 Keeps comfortably cool

1st Step - Turbo cool

2nd Step - Comfort cool

The 2-Step Cooling Mode begins cooling the air fast using its Turbo cool mode. It then automatically changes to Comfort Cool mode to maintain the desired temperature, so don't have to keep changing the settings.
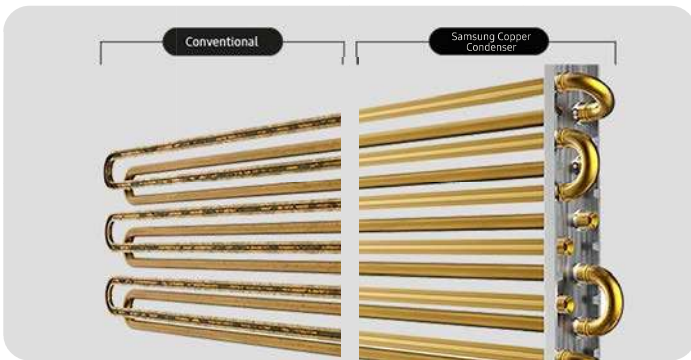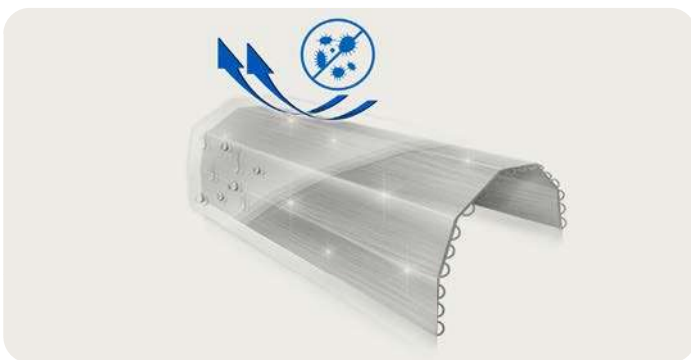
5 Stable performance

The Voltage fluctuation protector delivers a long lasting performance with advanced durability and protection from power surges. The triple protector technology protects the AC against sudden voltage surge or drop.Operating range (130 Vac to 290 Vac)

6 Removes excess humidity

The dry mode acts as a dehumidifier and removes excess humidity from the room without lowering the temperature significantly.

7 Long-lasting cooling

The Copper condenser is made of corrosion-resistant material to protect the condenser from rusting, which helps to maintain the optimal performance of the Heat Exchanger.

8 Seamless installation experience

Smart installation provides confirmation to the user through the digital display after service and set up is complete.

9 Stays fresh

When the air conditioner is turned off the Auto Clean function automatically runs a fan to remove dust and moisture in the heat exchanger. So it stays clean and dry, which prevents the growth of bacteria and mildew.

10 Enjoy a good sleep

Good Sleep mode automatically controls and fine-tunes the temperature to create the ideal conditions for each stage of the sleep cycle.

*Image simulated.

Eco Inverter Range

Capacity range	3.20kW(1.0T), 5.00kW(1.5T)
Energy Rating	5 Star and 3 Star
Cooling features	Copper Condenser Turbo Cooling Good Sleep Mode Dehumidification mode
Convenience features	Back-lit digital display Auto Clean Anti Bacteria Filter
Warranty	10 years warranty on compressor

10 YEAR Warranty on the compressor	Copper condenser	Turbo cooling mode	24°C Digital Display	Anti dust and bacterial filter	Good sleep Mode	Dehumidifier	Auto Clean

Penta Series
3.20kW(1.0T) – 5.00kW(1.5T)

Plain White

Crystal Series
3.20kW(1.0T) – 5.00kW(1.5T)

Brown Strip   Blue Strip   Pastel Blue Stirp

Super Series
3.20kW(1.0T) – 5.00kW(1.5T)

Brown Strip   Blue Strip   Pastel Blue Stirp

1 Long-lasting cooling

The Copper condenser is made of corrosion-resistant material to protect the condenser from rusting, which helps to maintain the optimal performance of the Heat Exchanger.

2 Cools you faster

Cool a whole room rapidly and effectively. Turbo cooling mode operates with the fastest fan speed, before slowing down. So it cools much faster compared to the normal mode and reaches the desired temperature in the shortest time.

3 Removes excess humidity

The dry mode acts as a dehumidifier and removes excess humidity from the room without lowering the temperature significantly.

4 Stays fresh

When the air conditioner is turned off the Auto Clean function automatically runs a fan to remove dust and moisture in the heat exchanger. So it stays clean and dry, which prevents the growth of bacteria and mildew.

5 Breathe purer air

Anti-dust and Bacteria Filter is really effective at capturing dust, airborne contaminants and allergens, such as pollen, mold spores and pet dander.
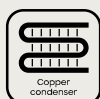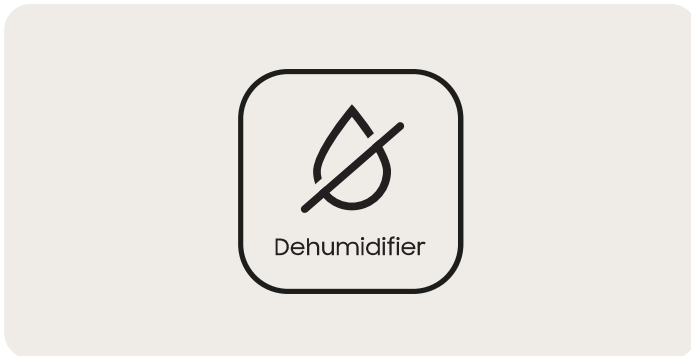
6 Enjoy a good sleep

Good Sleep mode automatically controls and fine-tunes the temperature to create the ideal conditions for each stage of the sleep cycle.

*Image simulated.

On-Off Range

Capacity range	3.2kW(1.0T) 5.00kW(1.5T)
Energy Rating	3 Star
Cooling features	Copper Condenser Turbo Cooling Good Sleep Mode Dehumidification mode
Convenience features	Auto Clean Anti Bacteria Filter Back-lit digital display
Warranty	5 years warranty on compressor

5 YEAR Warranty on the compressor	Copper condenser	Turbo cooling mode	24°C Digital Display	Anti dust and bacterial filter	Good sleep Mode	Dehumidifier	Auto Auto Clean

3.20kW(1.0T) – 5.00kW(1.5T)
Ultima Brown Strip

3.20kW(1.0T) – 5.00kW(1.5T)
Optima blue strip

1 Long-lasting cooling

The Copper condenser is made of corrosion-resistant material to protect the condenser from rusting, which helps to maintain the optimal performance of the Heat Exchanger.
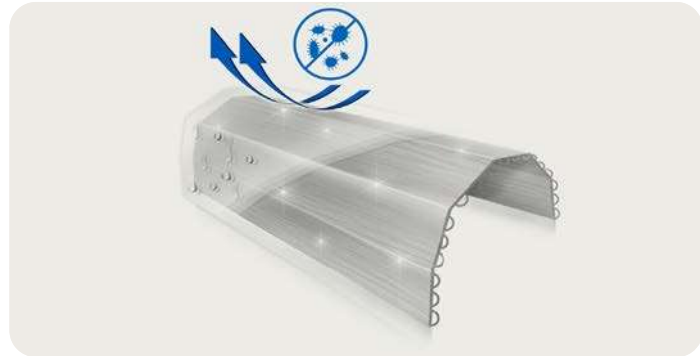
2 Cools you faster

Cool a whole room rapidly and effectively. Turbo cooling mode operates with the fastest fan speed, before slowing down. So it cools much faster compared to the normal mode and reaches the desired temperature in the shortest time.

3 Removes excess humidity

The dry mode acts as a dehumidifier and removes excess humidity from the room without lowering the temperature significantly.
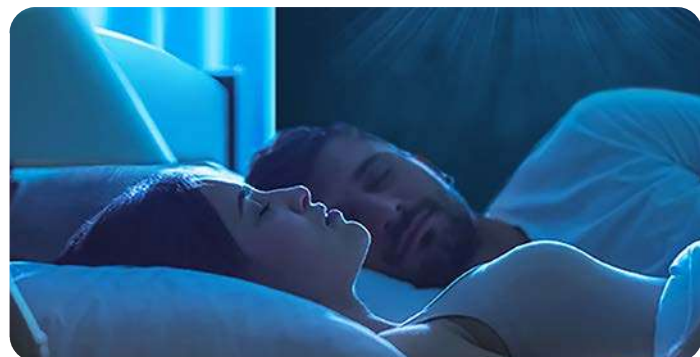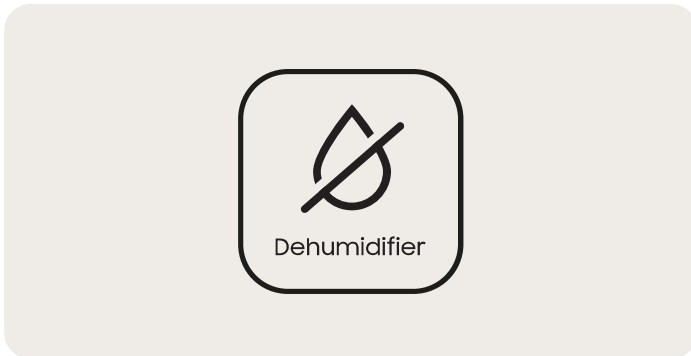
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5 Breathe purer air

Anti-dust and Bacteria Filter is really effective at capturing dust, airborne contaminants and allergens, such as pollen, mold spores and pet dander.

6 Enjoy a good sleep

Good Sleep mode automatically controls and fine-tunes the temperature to create the ideal conditions for each stage of the sleep cycle.

*Image simulated.

System AC Range

360 Cassette

17-18

Slim 1-Way Cassette

19-20

4 Way Cassette

21-22

Range- IDU + ODU

23-26

360 Cassette

Capacity range (Min/Std/Max)	1.5 TR, 2 TR, 3 TR and 4 TR
Cooling features	Circular design, Booster fan, Wireless Remote
Convenience features	Even cooling, Bladeless Airflow, PM 1.0 filter

Circular Design | Perfectly Even Cooling | Blade-less Airflow

○ Square Plain White   ● Square Black   ○ Circular Plain White   ● Circular Black

1 Evenly circulates and cools every corner

Unlike 4-way, cassette type air conditioners that create areas of uneven airflow where cool air can't reach*, a circular outlet blows cool air in all directions, so every corner of a room is the same temperature**.

2 Comfortable cool, not unpleasantly cold

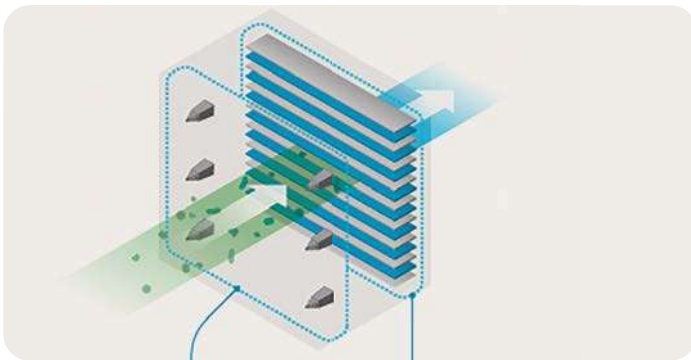A bladeless design softly disperses cool air across the room, making you comfortably cool without feeling a cold draft*. With no blades to block the air flow, it also expels 25% more air^ and spreads it farther.

3 PM1.0 Filter

The PM1.0 filter is not only effective at capturing ultrafine dust of up to 0.3μm in size, but it also sterilizes up to 99% of the bacteria trapped by the filter using an electrostatic precipitator.

4 Circular design to perfectly fit in everywhere

Its innovative circular design can match a multitude of interior designs, so it perfectly fits in everywhere. Its minimalist modern styling creates a sophisticated look and its circular shape stands out beautifully.

5 Spreads more air in more ways

An innovative Booster Fan enables cool air to be expelled at much lower angles. It creates a low pressure area around the outlet, so that cool air comes out parallel to the ceiling and disperses across a wider area.

6 All round simpler, intuitive control

Intuitively control its performance and see where the air is going. The Wireless Remote Controller's^ Jog shuttle and button offer a fun way to adjust the air flow and a Circular LED Display shows its direction.

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

Slim 1-Way Cassette

Capacity range	0.6 TR, 0.8 TR, 1.0 TR, 1.6 TR and 2.0 TR
Cooling features	**WindFree™**, Built-in Drain
Convenience features	Slim Design, Long Air throw

Slim and Compact Design | Stylish Panel | Built-in Drain Pump

WindFree™
○ Plain White

Flat Panel
○ Plain White

1 Stay cool without direct wind
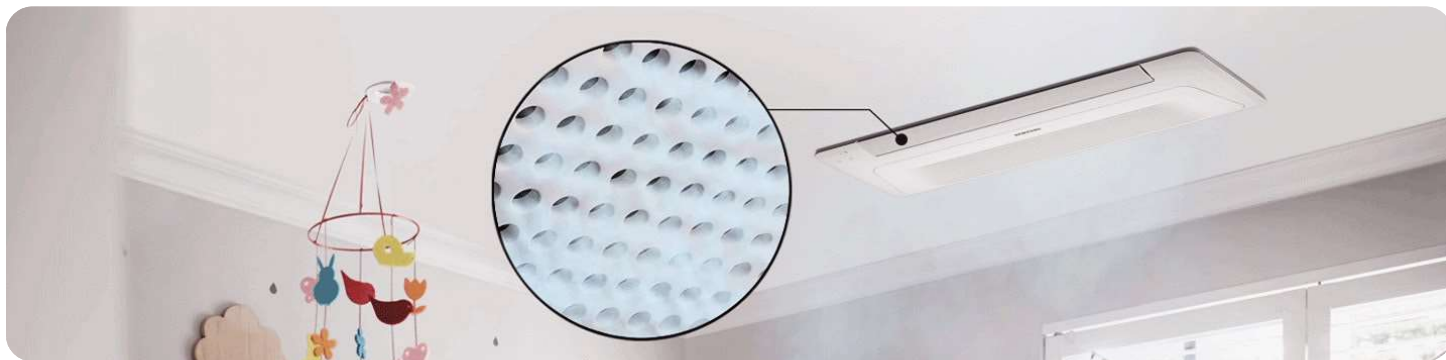
WindFree™ Cooling effectively maintains a comfortable level of coolness without the unpleasant feeling of cold wind.Cool air is gently dispersed through 10,000 micro air holes, so you don't feel too hot or cold.

2 Energy saving with WindFree™
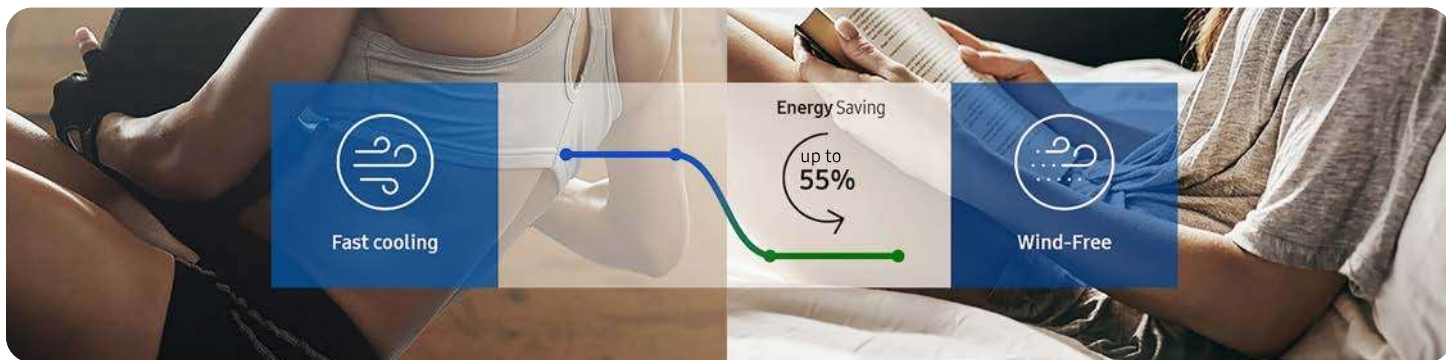
WindFree™ Cooling allows efficient energy saving.

3 Faster cooling in wide area

Wider and bigger blade cools large area much faster, without leaving dead zone.

4 PM1.0 Filter
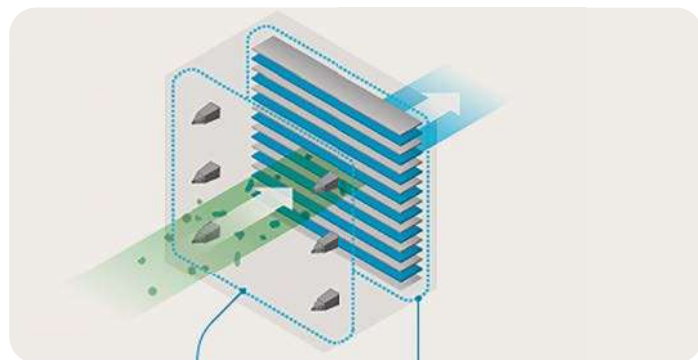
The PM1.0 filter is not only effective at capturing ultrafine dust of up to 0.3μm in size, but it also sterilizes up to 99% of the bacteria trapped by the filter using an electrostatic precipitator.

*Image simulated.

Slim 4-Way Cassette

Capacity range	2 TR, 3 TR, 4 TR
Cooling features	Wind Free™, Big Blade (Wider Cooling)
Convenience features	Motion detect Sensor (MDS)S-Plasma ion Filter, PM 1.0 Filter* (*optional)

Slim and Compact Design | Stylish Panel | Built-in Drain Pump

○ Plain White

1 | Lighter in weight

Samsung's 4 Way Cassette S is now lighter in weight at 17 Kg. It is the lightest indoor unit in the industry, about 35 lighter than the conventional products. Samsung was the first to apply ABS cabinets into its indoor units to provide the lightest units.

2 | Surrounded air flow

The new 4 Way Cassette S can cool every portion of your room. The new and practical design of the blades minimises blind spots at the corners of the panel, and can almost cover a full 360° around the indoor unit.

3 | Sanitizes your indoor air

Sanitize your indoor air with Samsung's S-Plasma ion! Priory-filtered air is made even healthier through the S-Plasma ion device which eliminates airborne contaminants, completely eradicates bacteria and eradicates allergies.

4 | Efficient cooling at all angles

By using the new remote controller, the opening angles of the 4 blades can be individually set at the same or different angles within a 32˚ - 65˚ range for more efficient cooling.
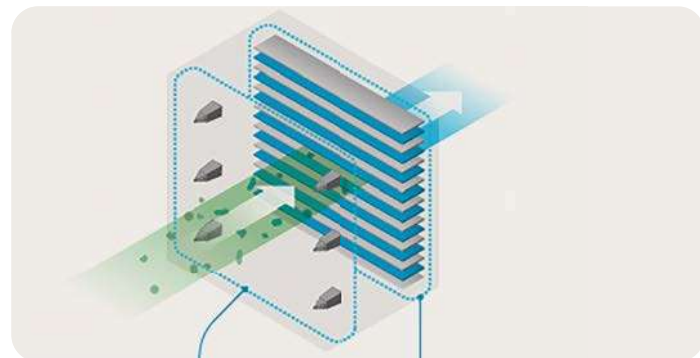
5 | Cools at greater distance

Wide blades in the indoor unit deliver cool or warm air at greater distances up to 5.2 meters to provide cooling and heating throughout the room efficiently

6 | PM1.0 Filter

The PM1.0 filter is not only effective at capturing ultrafine dust of up to 0.3μm in size, but it also sterilizes up to 99% of the bacteria trapped by the filter using an electrostatic precipitator.

*Image simulated.

Outdoor Units Line-up

Side Discharge
Heat Pump/Cooling

4HP | 5HP	6HP | 8HP | 14HP	10HP | 12HP | 14HP

Top Discharge
Heat Pump/Cooling/Heat Recovery

8HP | 10HP | 12HP	14HP | 16HP | 20HP |22HP	24HP | 26HP | 28HP |30HP

DVM S Water   ## DVM Chiller

8HP | 10HP | 12HP | 20HP | 30HP	12HP | 16HP | 20HP

Indoor Units Line-up

360 Cassette

Slim 1 Way Cassette⁺

4 Way Cassette⁺

Mini 4 Way Cassette

2 Way Cassette

Premium Wall Mount^

MSP Duct

HSP Duct

Slim Duct

Floor Standing

Ceiling

Concealed Floor Standin

DVM Hydro

Wireless/wired Remote Controllers

AR-EH03I
Wireless Remote Controller
Standard with WindFree™

AR-KH03I
Wireless Remote Controller for
360 Cassette

MWR-WE13N
Wired Remote Controller

MWR-WG00UN
Wireless Remote Controller
Standard type

MWR-SH00N
Wired Remote Controller
Simple type

MWR-SH11N
Wired Remote Controller
Touch Simple type

MWR-VH12N
Wired Remote Controller
for ERV

MCM-A300N
Programmable LCD
Central Controller

MWR-WW10N
Wired Remote Controller
Standard type for EHS

CAC Line-up

Outdoor

4 Way Cassette
Digital Inverter

360 Cassette

New Slim 1 Way Cassette
WindFree™

Floor Standing

*Image simulated.

Air Purifier Range

Air Purifier

Air Purifiers

Coverage Area	39m^2(420 Sq. ft.) – 93m^2(1000 Sq. ft.)
Cooling features	Triple premium HEPA filter, 3-way Air flow
Convenience features	Air purity display, 3 usage modes, Easy to clean

Digital Inverter technology | HEPA Filter | 3 Way flow | Filter Indicator

AX7000
○ Off White

AX5500
○ Noble Silver

AX3000
● Blue

1 Eliminate up to 99% of PM2.5

Keeps air outstandingly pure with 4 step filtration systems. It removes up to 99.9% of ultrafine dust** and harmful gases,^ and eliminates up to 99.7% of harmful allergens.^^

2 Pure air, fast and wide

A Front Air Inflow easily draws in air and Dual Power Fans with 4 step filtration systems which powerfully purify and distribute clean air with its 3 Way Air Flow. So it purifies large living rooms faster.

3 Check air quality in realtime

The Air Purity Display lets you see the pollution drop before your eyes! 3 sensors give an exact numeric measurement of the PM2.5 and PM10 levels, and various colour lights visually show them and the harmful gas level.

4 Enjoy fresh air with low energy use

Super Low Mode senses the pollution level and automatically adjusts the power to minimise electricity use and cost. Sleep Mode works softly and quietly, while Speed Mode powerfully refresh a room at the maximum power for 30 minutes.

Line-up: WindFree™ | Convertible AC Range

Range Series	WindFree™ Range WindFree™ 2.0	WindFree™ 2.0	WindFree™ 2.0	Convertible Range- Copper Condenser Maldives	Purista Pattern	Convertible Range- Copper Condenser Purista Pattern	Purista Pattern	Purista Plain
Model Code Color—Body/Strip	AR12TY5AAWK White	AR18TY5AAWK White	AR18TY3CAWK White	AR18TV3PFWK White	AR12TV3HFTZ Purista Pattern	AR18TV3HFTZ Purista Pattern	AR24TV3HFTZ Purista Pattern	AR12TV3HFWK Purista Plain
Performance								
Star Rating	5★	5★	3★	3★	3★	3★	3★	3★
Capacity (Tonnage)	1.0	1.5	1.5	1.5	1.0	1.5	2.0	1.0
Capacity (kW)	3.20	5.00	5.00	5.10	3.20	5.00	6.00	3.20
ISEER (Cooling, W/W)	4.63	4.64	3.98	3.72	3.61	3.61	3.61	3.61
Moisture Removal (l/hr)	1.50	2.00	2.00	2.00	1.50	2.00	2.50	1.50
Air Circulation (Max, m³/min)	11.20	17.90	17.90	14.50	11.10	16.20	17.70	11.10
Indoor Noise (High/Low, dB)	39/21	45/26	45/26	45/28	37/21	45/26	44/26	37/21
Outdoor Noise (High, dB)	48	52	52	53	48	53	53	48
Electrical Data								
Power Source (V/Hz/Φ)	230V/50Hz/1Φ	230V/50Hz/1Φ	230V/50Hz/1Φ	230V/50Hz/1Φ	230V/50Hz/1Φ	230V/50Hz/1Φ	230V/50Hz/1Φ	230V/50Hz/1Φ
Consumption (Cooling, W)	930	1435	1435	1700	1060	1740	2050	1060
Operating Current (Cooling, A)	4.20	6.80	6.80	10.80	4.80	11.00	8.90	4.80
Dimensions								
Indoor (WxHxD, mm)	820x299x215	1055x299x215	1055x299x215	1065x298x243	890x285x227	890x285x251	1065x298x243	890x285x227
Outdoor (WxHxD, mm)	790x548x285	790x548x285	790x548x285	720x548x265	720x548x265	720x548x265	880x638x310	720x548x265
Indoor Weight (kg)	9.10	11.60	11.60	11.51	9.40	10.00	11.40	9.40
Outdoor Weight (kg)	28.20	32.10	32.10	28.00	27.25	28.00	40.99	27.25
Technical Information								
SVC Valve Liquid (ODxL, mm)	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35
Gas (ODxL, mm)	9.52	12.70	12.70	12.70	9.52	12.70	15.88	9.52
Piping Length (Max, m)	15	30	30	20	15	20	20	15
Piping Height (Max, m)	8	15	15	12	7	12	12	7
Features								
Air Direction Control (Up/Down)	Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto
Air Direction Control (Left/Right)	Auto	Auto	Auto	Manual	Manual	Manual	Manual	Manual
Air Flow Control Step (Cool/Fan)	5/4	5/4	5/4	5/4	5/4	5/4	5/4	5/4
Auto Fan Speed	•	•	•	•	•	•	•	•
Air Purification								
Pre-Filter/Easy Filter+/ 3-Care Filter	•	•	•	•	•	•	•	•
Anti-Allergy Care/Anti-Bacteria Coating/Anti-Virus Coating	•	•	•	•	•	•	•	•
Auto Clean (Self Cleansing)	•	•	•	•	•	•	•	•
Convenience								
Smart Wi-Fi	•	•	•	-	-	-	-	-
Motion Detect Sensor (MDS)	•	•	•	-	-	-	-	-
Convertible Mode	•	•	•	•	•	•	•	•
Stabilizer Free Operation	•	•	•	•	•	•	•	•
Smart Installation	•	•	•	•	•	•	•	•
Indoor Temp. Display	•	•	•	•	•	•	•	•
Remote Controller	•	•	•	•	•	•	•	•
Beep On/Off	•	•	•	•	•	•	•	•
24-Hour Timer	•	•	•	•	•	•	•	•
Auto Restart	•	•	•	•	•	•	•	•
Operating Mode								
Fast Cool	•	•	•	•	•	•	•	•
Good Sleep	•	•	•	•	•	•	•	•
Dehumidifcation	•	•	•	•	•	•	•	•
Auto Mode	•	•	•	•	•	•	•	•
Fan Mode	•	•	•	•	•	•	•	•
Outdoor Unit								
Compressor Type	BLDC	BLDC	BLDC	8-Pole	8-Pole	8-Pole	8-Pole	8-Pole
Condensor	Copper	Copper	Copper	Copper	Copper	Copper	Copper	Copper
Refrigerant	R32	R32	R32	R410	R410	R410	R410	R410
Triple Protector	•	•	•	•	•	•	•	•
Warranty								
Compressor (Yr)	10	10	10	10	10	10	10	10
Condensor (Yr)	5	5	5	5	5	5	5	5
PCB Controller (Yr)	5	5	5	5	5	5	5	5

Line-up:
Convertible AC Range | Eco Inverter Range

Range Series	Convertible Range- Copper Condenser Purista Plain	Copper Condenser Purista Plain	Convertible Range- Durafin Condenser Purista Plain	Durafin Condenser Purista Plain	Convertible Range- Durafin Condenser Purista Plain	Durafin Condenser Purista Plain	Eco Inverter Range- Copper Condenser Penta	Copper Condenser Penta
Model Code Color—Body/Strip	AR18TV3HFWK Purista Plain	AR24TV3HFWK Purista Plain	AR12TV5PAWK White	AR18TV5PAWK White	AR12TV5HEWK White	AR18TV5HEWK White	AR12TY5QAWK White	AR18TY5QAWK White
Star Rating	3★	3★	5★	5★	5★	5★	5★	5★
Capacity (Tonnage)	1.5	2.0	1.0	1.5	1.0	1.5	1.0	1.5
Capacity (kW)	5.00	6.00	3.20	5.00	3.20	5.00	3.52	5.22
ISEER (Cooling, W/W)	3.61	3.61	4.64	4.64	4.80	4.64	4.50	4.50
Moisture Removal (l/hr)	2.00	2.50	1.50	2.00	1.50	2.00	1.00	1.50
Air Circulation (Max, m³/min)	16.20	17.70	10.60	18.30	14.10	18.80	11.00	14.83
Indoor Noise (High/Low, dB)	45 / 26	44 / 26	45 / 28	46 / 24	45 / 28	49 / 33	38 / 27	42 / 33
Outdoor Noise (High, dB)	53	53	54	47	54	59	51	52
Electrical Data								
Power Source (V/Hz/Φ)	230V/50Hz/1Φ	230V/50Hz/1Φ	230V/50Hz/1Φ	230V/50Hz/1Φ	230V/50Hz/1Φ	230V/50Hz/1Φ	220~240V/50Hz/1Φ	220~240V/50Hz/1Φ
Consumption (Cooling, W)	1740	2050	920	1390	890	1390	975	1465
Operating Current (Cooling, A)	11.00	8.90	4.60	7.00	4.60	7.00	4.50	6.70
Dimensions								
Indoor (WxHxD, mm)	890x285x251	1065x298x243	820x285x215	1065x298x243	890x285x251	1065x298x243	802x297x189	965x319x215
Outdoor (WxHxD, mm)	720x548x265	880x638x310	720x548x265	880x638x310	720x548x265	880x638x310	770x555x300	800x554x333
Indoor Weight (kg)	10.00	11.40	8.00	11.50	10.00	11.20	9.40	11.80
Outdoor Weight (kg)	28.00	40.99	25.60	36.70	25.70	36.70	23.20	30.10
Technical Information								
SVC Valve Liquid (ODxL, mm)	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35
Gas (ODxL, mm)	12.70	15.88	9.52	12.7	9.52	12.70	12.70	12.70
Piping Length (Max, m)	20	20	15	30	15	30	25	30
Piping Height (Max, m)	12	12	8	15	8	15	10	20
Features								
Air Direction Control (Up/Down)	Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto
Air Direction Control (Left/Right)	Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual
Air Flow Control Step (Cool/Fan)	5/4	5/4	5/4	5/4	5/4	5/4	3/3	3/3
Auto Fan Speed	•	•	•	•	•	•	•	•
Air Purification								
Pre-Filter/Easy Filter+/ 3-Care Filter	•	•	•	•	•	•	•	•
Anti-Allergy Care/Anti-Bacteria Coating/Anti-Virus Coating	•	•	•	•	•	•	•	•
Auto Clean (Self Cleansing)	•	•	•	•	•	•	•	•
Convenience								
Smart Wi-Fi	-	-	-	-	-	-	-	-
Motion Detect Sensor (MDS)	-	-	-	-	-	-	-	-
Convertible Mode	•	•	•	•	•	•	-	-
Stabilizer Free Operation	•	•	•	•	•	•	-	-
Smart Installation	•	•	•	•	•	•	-	-
Indoor Temp. Display	•	•	•	•	•	•	•	•
Remote Controller	•	•	•	•	•	•	•	•
Beep On/Off	•	•	•	•	•	•	•	•
24-Hour Timer	•	•	•	•	•	•	•	•
Auto Restart	•	•	•	•	•	•	•	•
Operating Mode								
Fast Cool	•	•	•	•	•	•	•	•
Good Sleep	•	•	•	•	•	•	•	•
Dehumidifcation	•	•	•	•	•	•	•	•
Auto Mode	•	•	•	•	•	•	•	•
Fan Mode	•	•	•	•	•	•	•	•
Outdoor Unit								
Compressor Type	8-Pole	8-Pole	8-Pole	8-Pole	8-Pole	8-Pole	Rotary	Rotary
Condensor	Copper	Copper	Durafin	Durafin	Durafin	Durafin	Copper	Copper
Refrigerant	R410	R410	R410	R410	R410	R410	R32	R32
Triple Protector	•	•	•	•	•	•	-	-
Warranty								
Compressor (Yr)	10	10	10	10	10	10	10	10
Condensor (Yr)	5	5	5	5	5	5	1	1
PCB Controller (Yr)	5	5	5	5	5	5	1	1

Line-up:
Eco Inverter Range │ On-off Range

Range	Eco Inverter Range- Copper Condenser				On-Off Range			
Series	Crystal	Crystal	Super	Super	Ultima	Ultima	Optima	Optima
Model Code	AR12TY3QCBR	AR18TY3QCBR*	AR12TY3QBBU	AR18TY3QBBU*	AR12TG3BBWK	AR18TG3BBWK	AR12RG3BAWK	AR18RG3BAWK
Color-Body/Strip	Brown Strip	Brown Strip	Blue Strip	Blue Strip	Brown Strip	Brown Strip	Blue Strip	Blue Strip
Star Rating	3★	3★	3★	3★	3★	3★	3★	3★
Capacity (Tonnage)	1.0	1.5	1.0	1.5	1.0	1.5	1.0	1.5
Capacity (kW)	3.52	4.98	3.52	4.98	3.30	5.05	3.30	5.05
ISEER (Cooling, W/W)	3.50	3.50	3.50	3.50	3.59	3.58	3.59	3.58
Moisture Removal (l/hr)	1.00	1.50	1.00	1.50	1.00	1.50	1.00	1.50
Air Circulation (Max, m³/min)	10.40	13.17	10.40	13.17	13.00	19.00	13.00	19.00
Indoor Noise (High/Low, dB)	40/32	40/31	40/32	40/31	42/32	44/36	42/32	44/36
Outdoor Noise (High, dB)	54	52	54	52	53	54	53	54
Electrical Data								
Power Source (V/Hz/Φ)	220~240V/50Hz/1Φ	220~240V/50Hz/1Φ	220~240V/50Hz/1Φ	220~240V/50Hz/1Φ	230V/50Hz/1Φ	230V/50Hz/1Φ	230V/50Hz/1Φ	230V/50Hz/1Φ
Consumption (Cooling, W)	1150	1748	1150	1748	920	1410	920	1410
Operating Current (Cooling, A)	5.00	7.60	5.00	7.60	4.23	6.24	4.23	6.24
Dimensions								
Indoor (WxHxD, mm)	805x285x194	957x302x213	805x285x194	957x302x213	800x295x230	1000x295x230	800x295x230	1000x295x230
Outdoor (WxHxD, mm)	720x495x270	800x554x333	720x495x270	800x554x333	780x557x241	780x557x241	780x557x241	780x557x241
Indoor Weight (kg)	8.95	11.90	8.20	10.85	9.30	11.00	9.30	11.00
Outdoor Weight (kg)	21.00	28.30	21.50	28.30	28.50	35.00	28.50	35.00
Technical Information								
SVC Valve Liquid (ODxL, mm)	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35
Gas (ODxL, mm)	9.52	12.70	9.52	12.70	12.70	12.70	12.70	12.70
Piping Length (Max, m)	25	30	25	30	15	15	15	15
Piping Height (Max, m)	10	20	10	20	10	10	10	10
Features								
Air Direction Control (Up/Down)	Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto
Air Direction Control (Left/Right)	Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual
Air Flow Control Step (Cool/Fan)	3/3	3/3	3/3	3/3	4	4	4	4
Auto Fan Speed	•	•	•	•	•	•	•	•
Air Purification								
Pre-Filter/Easy Filter+/ 3-Care Filter	•	•	•	•	•	•	•	•
Anti-Allergy Care/Anti-Bacteria Coating/Anti-Virus Coating	•	•	•	•	•	•	•	•
Auto Clean (Self Cleansing)	•	•	•	•	•	•	•	•
Convenience								
Smart Wi-Fi	-	-	-	-	-	-	-	-
Motion Detect Sensor (MDS)	-	-	-	-	-	-	-	-
Convertible Mode	-	-	-	-	-	-	-	-
Stabilizer Free Operation	-	-	-	-	-	-	-	-
Smart Installation	-	-	-	-	-	-	-	-
Indoor Temp. Display	•	•	•	•	•	•	•	•
Remote Controller	•	•	•	•	•	•	•	•
Beep On/Off	•	•	•	•	-	-	-	-
24-Hour Timer	•	•	•	•	•	•	•	•
Auto Restart	•	•	•	•	•	•	•	•
Operating Mode								
Fast Cool	•	•	•	•	•	•	•	•
Good Sleep	•	•	•	•	•	•	•	•
Dehumidifcation	•	•	•	•	•	•	•	•
Auto Mode	•	•	•	•	•	•	•	•
Fan Mode	•	•	•	•	•	•	•	•
Outdoor Unit								
Compressor Type	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary
Condensor	Copper	Copper	Copper	Copper	Copper	Copper	Copper	Copper
Refrigerant	R32	R32	R32	R32	R32	R32	R32	R32
Triple Protector	-	-	-	-	-	-	-	-
Warranty								
Compressor (Yr)	10	10	10	10	5	5	5	5
Condensor (Yr)	1	1	1	1	1	1	1	1
PCB Controller (Yr)	1	1	1	1	1	1	1	1

*Color may very frome model to model.

Line-up: System Air Conditioners

Model Type	AC036NN1PKC/TL* 1-Way CAC Inverter CO	AC052NN1PKC/TL* 1-Way CAC Inverter CO	AC071NN1PKC/TL* 1-Way CAC Inverter CO	AC071KN4DEH/TL 360 CAC Inverter HP	AC100KN4DEH/TL 360 CAC Inverter HP	AC140KN4DEH/TL 360 CAC Inverter HP
Model Name						
Indoor Unit	AC036NN1PKC/TL	AC052NN1PKC/TL	AC071NN1PKC/TL	AC071KN4DEH/TL	AC100KN4DEH/TL	AC140KN4DEH/TL
Outdoor Unit	AC036NX1DKC/TL	AC052NX1DKC/TL	AC071NX1DKC/TL	AC071KXADEH/TL	AC100KXADGH/TL	AC140KXADGH/TL
Star Rating	3★	3★	3★	5★	-	-
System Capacity						
Cooling (Min/Std/Max) [KW]	1.2/3.6/4.8	1.5/5.2/6.0	1.8/6.5/7.8	2.20/7.10/8.00	3.50/10.00/12.00	3.50/13.60/15.50
Heating (Min/Std/Max) [KW]	-	-	-	1.90/8.00/9.00	3.50/11.20/15.50	3.50/16.00/18.00
EER Cooling	3.5	3.8	3.5	3.8	3.8	3.11
COP Heating	-	-	-	3.9	4.06	3.44
Liquid Pipe (ø,mm)	6.35	6.35	6.35	6.35	9.52	9.52
Gas Pipe (ø,mm)	12.7	12.7	15.88	15.88	15.88	15.88
Installation Max. Length [m]	30	30	30	50	75	75
Installation Max. Height [m]	15	15	15	30	30	30
Indoor Unit						
Power Supply (ø, V,Hz)	1ø,2,220-240V/50Hz	1ø,2,220-240V/50Hz	1ø,2,220-240V/50Hz	1ø,2,220-240V/50Hz	1ø,2,220-240V/50Hz	1ø,2,220-240V/50Hz
Air Flow Rate (High/Mid/Low, CMM)	9.2/8.3/7.8	14/13/12	15/14/12.5	21.5/18.0/14.5	30/24/20	33/28/23
Sound Pressure (High/Mid/Low, dB)	34/30/28	41/35/29	46/38/30	34/31/28	43/37/32	44/40/36
Net Weight (Kg)	9.2	13.4	13.4	24	26	26
Net Dimensions (WxHxD, mm)	970x135x410	1200x138x450	1200x138x450	947x365x947	947x365x947	947x365x947
Panel Model	PC1NWFMAN	PC1BWFMAN	PC1BWFMAN	PC4NUNMAN	PC4NUNMAN	PC4NUNMAN
Net Dimensions (WxHxD, mm)	1198x35x500	1410x35x500	1410x35x500	1000x66x1000	1000x66x1000	1000x66x1000
Outdoor Unit						
Power Supply (ø, V,Hz)	1ø,2,220-240V/50Hz	1ø,2,220-240V/50Hz	1ø,2,220-240V/50Hz	1ø,2,220-240V/50Hz	3ø,4,380-415V/50Hz	3ø,4,380-415V/50Hz
Net Dimensions (WxHxD, mm)	790x548x285	880x638x310	880x798x310	880x798x310	940x1210x330	940x1210x330
Net Weight (kg)	33.5	40.5	52.8	50.5	90	92
Cooling Temp. Range (°C)	-5-52 °C	-5-52 °C	-5-52 °C	-15-52 °C	-15-52 °C	-15-52 °C
Heating Temp. Range (°C)	-	-	-	-20-24 °C	-20-24 °C	-20-24 °C

*Available in both Wind-Free and non Wind-Free options. All products with Green Refrigerant R410A.
CO: Cooling Only, HP: Heat Pump

Line-up: System Air Conditioners

Model Type	AC071NN4DKC/TL* 4-Way CAC Inverter CO	AC100NN4DKC/TL* 4-Way CAC Inverter CO	AC140NN4DKC/TL* 4-Way CAC Inverter CO
Model Name			
Indoor Unit	AC071NN4DKC/TL	AC100NN4DKC/TL	AC140NN4DKC/TL
Outdoor Unit	AC071NXADKC/TL	AC100NXADKC/TL	AC140NXADKC/TL
Star Rating	5★	-	-
System/Capacity			
Cooling (Min/Std/Max) [KW]	1.7/6.8/8.0	3.0/10.6/12.0	3.5/13.6/15.5
EER Cooling	4.5	2.8	2.8
Liquid Pipe (ø,mm)	6.35	9.52	9.52
Gas Pipe (ø,mm)	15.88	15.88	15.88
Installation Max. Length [m]	50	50	75
Installation Max. Height [m]	30	30	30
Indoor Unit			
Power Supply (ø, V,Hz)	1ø,2,220-240V/50Hz	1ø,2,220-240V/50Hz	1ø,2,220-240V/50Hz
Air Flow Rate (High/Mid/Low, CMM)	25/22/18	31/25/19	33.5/27/22
Sound Pressure (High/Mid/Low, dB)	40/37/34	44/39/33	45/41/37
Net Weight (kg)	18	18	20
Net Dimensions (WxHxD, mm)	840x288x840	840x288x840	840x288x840
Panel Model	PC4NUFMAN	PC4NUFMAN	PC4NUFMAN
Net Dimensions (WxHxD, mm)	950x45x950	950x45x950	950x45x950
Outdoor Unit			
Power Supply	1ø,2,220-240V/50Hz	1ø,2,220-240V/50Hz	3ø,4,380-415V/50Hz
Net Dimensions (WxHxD, mm)	880x798x310	940x998x330	940x1210x330
Net Weight (kg)	48.5	71	86.5
Cooling Temp. Range (°C)	-5-52 °C	-5-52 °C	-5-52 °C

Line-up: Air Purifiers

Model Manufacturing	AX70J7000WT/NA Korea	AX60M5051WS/NA China	AX40K3020WU/NA China
Performance			
Dust Collecting^ (CA,㎡)	93.1	60	39
Dust Collecting CADR (CFM, Ft^3/Min)	-	-	325.7
Energy (W)	80	60	34
Noise (High, dB)	54	50	45
Pre Filter	•	•	•
Dust Collecting Filter	•	•	•
Deodorization	•	•	•
Integral Combine	•	•	•
Modes/Input			
Control Input	Touch	Touch	Touch
Auto Mode	•	•	•
Air-flow Control	3-Step (H-M-L)	3-Step (H-M-L)	2-Step (H-L)
Sleep Mode	•	•	•
Speed (Turbo) Mode	•	•	-
Filter Progress	-	•	-
Filter Change Alarm	•	•	•
Timer	•	•	-
Wi-Fi	-	-	-
Dust Sensor	•	•	•
Odour Sensor	•	•	•
Filter Sensor	-	•	-
Cleanliness (Dust+Gas) Display	5-Colour	-	4-Colour
PM Digital Display	PM2.5 and PM10	PM2.5	-
Odour Display	-	4-Colour	-
Design			
Body Colour	Airy White	Airy White	DA White
Point Colour	White	Silver	Serene Blue
Blade	-	-	-
Physical Specifications			
Net (WxHxD, mm)	360×1054×284	360x783x293	361x481x233
Gross (WxHxD, mm)	457x1110x377	437x838x372	414x572x269
Weight (Net/Gross)	15kg/18.2 kg	11.6kg/14.1kg	6.5kg/7.9kg
Loading (40Q)	310	332/498	964
Loading (20Q)	150	160	476

^Room coveration for Korea.

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