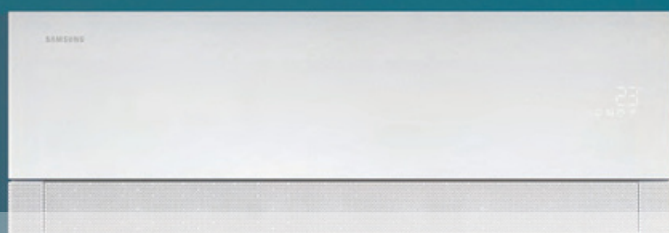


SAMSUNG



WindFree Première+

Enhance your living experience



Refined aesthetics, excellent performance

Discover our new residential air conditioning model. Introducing a new design identity, expanded airflow options and enhanced connected control, offering solutions for different residential applications.



A+++

WindFree Première+ A+++/A+++

Samsung's new Grid Design is introduced exclusively within the WindFree Première+ model, created to harmonise with a wide range of interior styles. These indoor units come in Essential White and Soapstone Charcoal. While retaining the trusted WindFree™ Cooling mode, it delivers the same gentle, draft-free comfort with a more efficient micro-holes design¹.

The WindFree Première+ models deliver enhanced airflow control and trusted sensing, and AI operation to optimise performance.

¹ The WindFree Première+ delivers the same trusted WindFree™ performance as previous models (e.g., the 2025 AR9500T), now supported by a 10% larger air intake area.

² AI= Artificial Intelligence. A Wi-Fi connection and Samsung SmartThings application account are required. Requires iOS 10.0 or later & Android 5.0 or later.



Radar Sensor with
AI-driven airflow



7 Motion Winds



WindFree™ Cooling &
AI Auto Comfort



4-in-1 filter:
premium filtration



SmartThings connectivity



WindFree™ low noise

Radar Sensor with AI-driven airflow

The WindFree Première+ is upgraded with a radar-based motion sensor which accurately senses distance, angle and the activity of up to two people³. It enables AI-driven⁴ airflow adjustment for efficient and precise climate control when AI Auto Comfort mode is on. When no movement is detected, the system issues an alert and automatically switches to energy-saving mode, supporting optimised operation and reduced energy consumption.

³ Radar-based sensor detects up to two people

⁴ AI=Artificial Intelligence. A Wi-Fi connection and Samsung SmartThings application account are required. Requires iOS 10.0 or later & Android 5.0 or later.

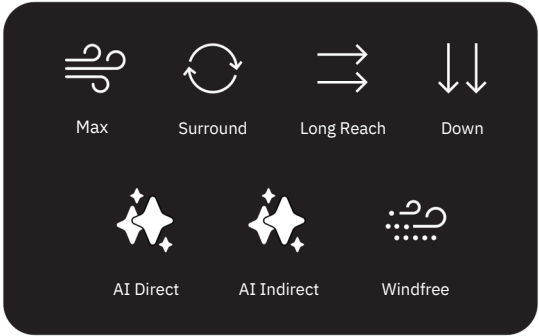


AI Motion Wind

WindFree Première+ is equipped with AI Motion Wind, an intelligent airflow system that automatically adapts to people’s movement in the room. Using advanced motion detection, the unit adjusts airflow direction and intensity in real time — delivering cooling exactly where it’s needed or avoiding direct airflow when desired. This creates a more personalised and energy-efficient comfort experience.

Powered by Samsung’s triple-blade Motion Wings system⁵, each blade operates independently depending on the selected mode. The redesigned airflow structure enlarges the air inlet by 10%⁶ and enables faster air discharge by 15%⁷, while offering a wider adjustment range for both vertical and horizontal angles⁸.

Première+ offers seven airflow programmes, including two AI-powered modes: AI Direct Wind (airflow toward occupants) and AI Indirect Wind (redirects airflow away). This intelligent combination of motion sensing and precision airflow control ensures optimal comfort tailored to real-life living patterns. WindFree Première offers five airflow programmes, ideal for bedrooms or compact living areas.

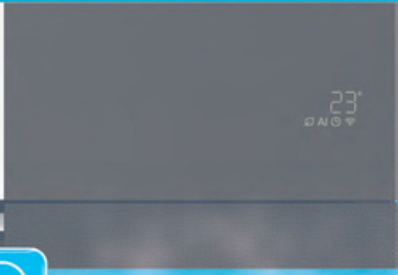


⁵ Motion Wings consist of two outer blades (top & bottom) and one inner blade.
⁶ The intake areas increased by 10% compared to the 2025 models (AR9500T).
⁷ Based on internal testing comparing model AR70H12CAAWNEU with AR12TXCAAWNEU
⁸ Adjustment range expanded from 30–80° (45°) to front 0–90° and bottom –70–0°

Fast Cooling



WindFree™ Cooling





- ✓ Indoor Temperature
- ✓ Setting Temperature
- ✓ Outdoor Temperature
- ✓ Operating Time
- ✓ Usage Pattern



WindFree™ Cooling & AI Auto Comfort

The Première+ includes the trusted WindFree™ Cooling mode, delivering the same gentle, draft-free comfort with a more efficient micro-holes design⁸. This results in a “Still Air” environment⁹ with low air speed and limited noise¹⁰, supporting even cooling across larger areas. AI Auto Comfort supports intelligent climate management¹¹ by analysing room

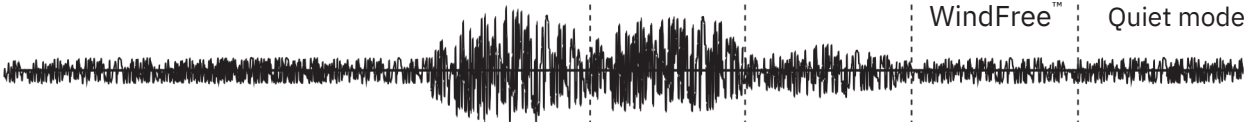
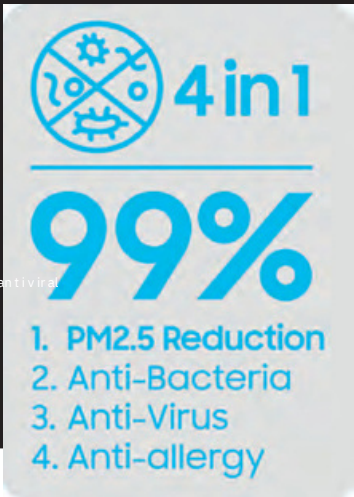
conditions, usage patterns¹², preferred temperatures and outdoor temperatures, and selects the appropriate mode, such as WindFree™, Fast Cooling, Normal Cooling or heating to support consistent indoor conditions. Voice control is available through Bixby 2.0¹³, enabling hands-free operation.

⁸ The WindFree Première+ delivers the same trusted WindFree™ performance as previous models (e.g., the 2025 AR9500T), now supported by a 10% larger air intake area.
⁹ ASHRAE (the American Society of Heating, Refrigerating, and Air-Conditioning Engineers) defines “Still Air” as air currents moving at speeds below 0.15 m/s, with no cold drafts.
¹⁰ Tested on the AR12TXCAAWKNEU model in an anechoic environment. WindFree™ mode generates 23 dB(A) of noise, compared to 26 dB(A) produced by the conventional Samsung model. Sound pressure level is a relative value, depending on the distance and acoustic environment. Sound pressure level may differ according to operating conditions.
¹¹ AI = Artificial Intelligence. Wi-Fi and Samsung SmartThings account required.
¹² System stores user preferences and usage patterns to suggest temperatures between 22–26 °C.
¹³ Bixby availability varies by region/language. Wi-Fi & Samsung account required.

4-in-1 filter: premium filtration

WindFree Première+ features a 4-in-1 filter system, evolving from Samsung's Tri-Care Filter. The system includes a high-density, silver zinc zeolite-coated layer¹⁴ to capture PM2.5 fine dust particles. It is designed to help reduce fine dust, allergens, and selected types of viruses and bacteria in the air¹⁵.

¹⁴ Silver zinc zeolite is an approved substance by the European Chemicals Agency. Source: <https://echa.europa.eu/information-on-chemicals/biocidal-active-substances/-/disas/factsheet/1385/PT09>
¹⁵ Data has been measured under specific testing conditions and may vary depending on environmental factors and individual use.
> 99% anti-bacterial reduction verified by Inter Tek based on Staphylococcus aureus and Escherichia coli test. > 99% anti-viral reduction verified by Korea Research Institute of Bioscience based on Influenza virus H1N1 test. > 99% anti-allergy reduction verified by Institute of Tokyo Environmental Allergy based on cedar pollen test. > 99% PM2.5 fine dust reduction verified by Korea Institute of Industrial Technology based on ISO A2 fine dust particles test.



WindFree™ Low Noise

The WindFree Première+ operates at an ultra-low noise¹⁶ level of just 16 dB(A)^{17,18} in its lowest setting, while WindFree™ mode runs at only 23 dB(A)^{17,18}, still quieter than a typical library of 40 dB(A). This ensures a calm and undisturbed environment, making the WindFree™ range perfect for bedrooms and quiet places.



70 dB(A)
Expressway



40 dB(A)
Library



30 dB(A)
Bedroom



23 dB(A)
Whisper



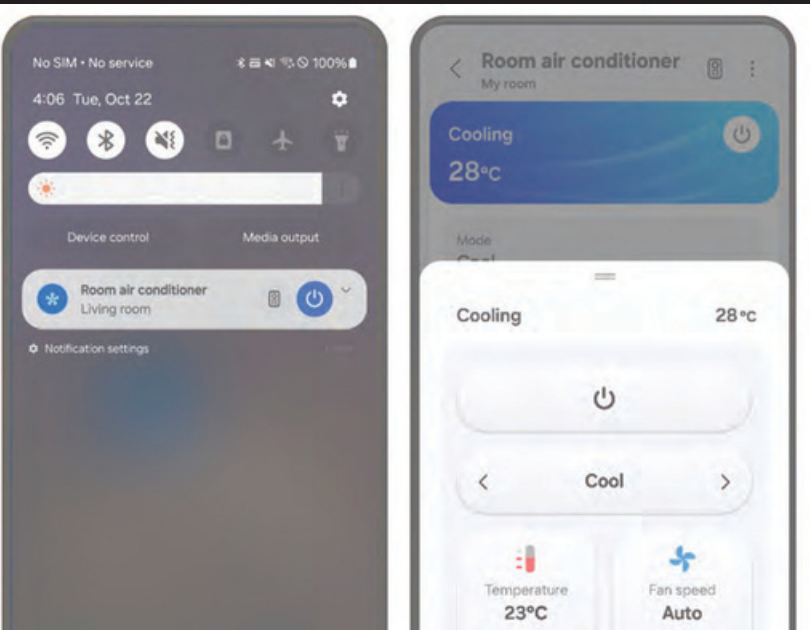
16 dB(A)
Whisper

¹⁶ Compared to decibel levels of equivalent products within the market.
¹⁷ Tested in an acoustic space, measured at a 1-meter distance.
¹⁸ Only applicable to WindFree™ indoor units 2/2.5/3.5 kW.

SmartThings connectivity

The new Residential Air Conditioner line-up supports remote monitoring and control via the SmartThings app¹⁹. Users can turn the unit on or off, adjust temperature settings, schedule operation, and monitor energy usage.

¹⁹ A Wi-Fi connection and Samsung SmartThings application account are required. Requires iOS 10.0 or later & Android 5.0 or later.



Works with
Samsung
SmartThings

WindFree Première +

Indoor Unit Soapstone Charcoal			AR	AR
Indoor Unit			70H09CAABNEU	70H12CAABNEU
Outdoor Unit			AR	AR70H12CAAWNE
Capacity				
Cooling (Nominal)	Cooling (Nominal)	kW	2,5	3,5
	Cooling (Min-Max)	kW	1,0 - 4,0	1,0 - 4,8
	Heating @ +7 °C	kW	3,2	4,0
	Heating (Min-Max)	kW	0,8 - 7,1	0,8 - 7,3
	Heating @ -5 °C	kW	4,8	5,2
	Heating @ -10 °C	kW	4,2	4,8
	Heating @ -15 °C	kW	3,6	4,2
Performance				
Energy Efficiency Cooling	SEER ¹	W/W	9,7 A+++	9,0 A+++
	Power Consumption	kWh/a	90	136
	Pdesignnc	kW	2,5	3,5
	EER	W/W	4,81	4,12
Energy Efficiency Heating	SCOP ¹	W/W	5,1 A+++	5,1 A+++
	Power Consumption	kWh/a	659	659
	Pdesignh (average)	kW	2,4	2,4
	COP ¹	W/W	4,74	4,26
Moisture Removal		l/h	0,9	1,4
Maximum Airflow (Cooling)	Indoor Unit	m³/min	10	11
	Outdoor Unit	m³/min	45,0	45,0
Sound Power	Indoor Unit (Cooling)	dB(A)	56	58
	Outdoor Unit (Cooling)	dB(A)	59	62
Sound Pressure	Indoor Unit High/Silent Mode	dB(A)	38 / 16	40 / 16
	Outdoor Unit High	dB(A)	45	46
Operating Temperature Range	Cooling	°C	-10 ~ 46	-10 ~ 46
	Heating	°C	-15 ~ 24	-15 ~ 24
Electrical Data				
Power Source	Φ, V,		1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz
Compressor Type	Outdoor Unit	Hz	Twin Rotary	Twin Rotary
Power Consumption	Cooling	Type	0,52	0,85
	Heating	kW	0,68	0,94
Operating Current	Cooling	kW	2,8	3,8
	Heating	A	3,1	4,2
Dimensions				
Net Dimensions (W x H x D)	Indoor Unit	mm	889 x 299 x 230	889 x 299 x 230
	Outdoor Unit	mm	790 x 548 x 285	790 x 548 x 285
Net Weight	Indoor Unit	kg	11,3	11,3
	Outdoor Unit	kg	30,5	30,5
Refrigerant				
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)	
Charging for 7.5 m)	Charging for 7.5 m)	kg	1,0	1,0
	Charging Ton Equivalent CO ₂	tCO ₂ e	0,65	0,65
	Additional Refrigerant Charging	g/m	15	15
Piping Connections	Liquid Pipe	ø, mm	6,35 (1/4)	6,35 (1/4)
	Gas Pipe	(inch) ø,	9,52 (3/8)	9,52 (3/8)
Piping Length	Min/Max (ODU to IDU)	mm (inch)	3 / 20	3 / 20
Piping Height	Max	m	10	10
Piping Connections	Drain Pipe	m	ø16,3, 550 mm	ø16,3, 550 mm
Functions				
Airflow	AI Motion Wind		•	•
	Motion Wind		•	•
	WindFree™ Cooling		•	•
	Air Direction Control (Up/Down)		Auto	Auto
	Air Direction Control (Left/Right)		Auto	Auto
	Auto Fan Speed		•	•
	4-in-1 Filter		•	•
Air Purification	Easy Filter Plus		•	•
	Auto Clean (Self-Cleaning)		•	•
	AI Auto Comfort with Wi-Fi & Radar Sensor (direct/indirect)		•	•
Operating Mode	AI Auto Comfort with Wi-Fi		•	•
	Auto Mode (without Wi-Fi)		-	-
	Fast Cooling		•	•
	Good Sleep		•	•
	Eco		•	•
	Dehumidification		•	•
	Fan		•	•
	Quiet		•	•
	Samsung SmartThings		•	•
	Radar Sensor		•	•
Other Functions	Indoor Temperature Display		•	•
	Display On/Off		•	•
	Beep On/Off	88 Display	•	•
	Auto Changeover		•	•
	Auto Restart		•	•

Capacity

Single Split (RAC) - AR70H**C*AWXEU	Capacity (kW)					
Indoor unit	2	2.5	3.5	4.3	5	6.5

Première+ Essential White	-	•	•	-	-	-
Première+ Soapstone Charcoal	-	•	•	-	-	-

Multi Split (FJM) - AJ***TXJ*KG/EU	Capacity (kW)					
Indoor unit	2	2.5	3.5	4.3	5	6.5

Première+ Essential White	•	•	•	-	-	-
Première+ Soapstone Charcoal	•	•	•	-	-	-
Multi Split (FJM) - AJ***TXJ*KG/EU						

AJ040TXJ2KG/EU	•	•	•	-	-	-
AJ050TXJ2KG/EU	•	•	•	-	•	-
AJ052TXJ3KG/EU	•	•	•	-	•	-
AJ068TXJ3KG/EU	•	•	•	-	•	-
AJ080TXJ4KG/EU	•	•	•	-	•	•
AJ100TXJ5KG/EU	•	•	•	-	•	•

Controls and Accessories



Wireless SolarCell Remote Controller (included)



Advanced Wired Controller

MWR-WG01JN
MWR-WG01KN



Simple Type Controller



Touch Controller

MWR-SH00N

MWR-SH11N

¹ Energy labels as shown are according to EU No 626/2011 (LOT 10) label classification 2019, on a scale from D to A+++.

SAMSUNG

WindFreeTM Avant S2 &

Avant Black Intelligent cooling. No cold drafts.

Stylish solution

Alongside the improved WindFree™ Avant S2, the new WindFree™ Avant Black is introduced - this model addresses the growing demand for stylish home appliances that complement modern living spaces. With smart climate control and enhanced indoor air quality, it seamlessly combines functionality with elegance to elevate comfort in the home.

WindFree™ Avant S2 & Avant Black

The new white display design is maximized for easy readability of the dashboard and blends seamlessly into any space. The design also ensures easy maintenance, as the front panel can be easily removed for cleaning.



WindFree™ Cooling



Wi-Fi Control



AI Auto Comfort



Tri-Care Filter



R32 Refrigerant



Freeze Wash

A+++ / A++



23.000

WindFree™ Cooling mode

WindFree™ Cooling mode keeps the room comfortably cool. It cools gently and quietly, dispersing air through 23,000 micro-holes so that people never have to deal with the unpleasant feeling of a cold draft on their skin. This results in a “Still Air” environment¹ with a very low air speed and limited noise². The advanced airflow structure of this mode also means that it cools a wider and larger area more evenly.

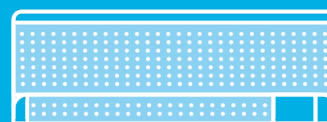
¹ASHRAE (the American Society of Heating, Refrigerating, and Air-Conditioning Engineers) defines “Still Air” as air currents moving at speeds below 0.15 m/s, with no cold drafts.

²Tested on the AR12TXCAAWKNEU model in an anechoic environment. WindFree™ mode generates 23 dB(A) of noise, compared to 26 dB(A) produced by the conventional Samsung model. Sound pressure level is a relative value, depending on the distance and acoustic environment. Sound pressure level may differ according to operating conditions.

Comparison of discharge areas



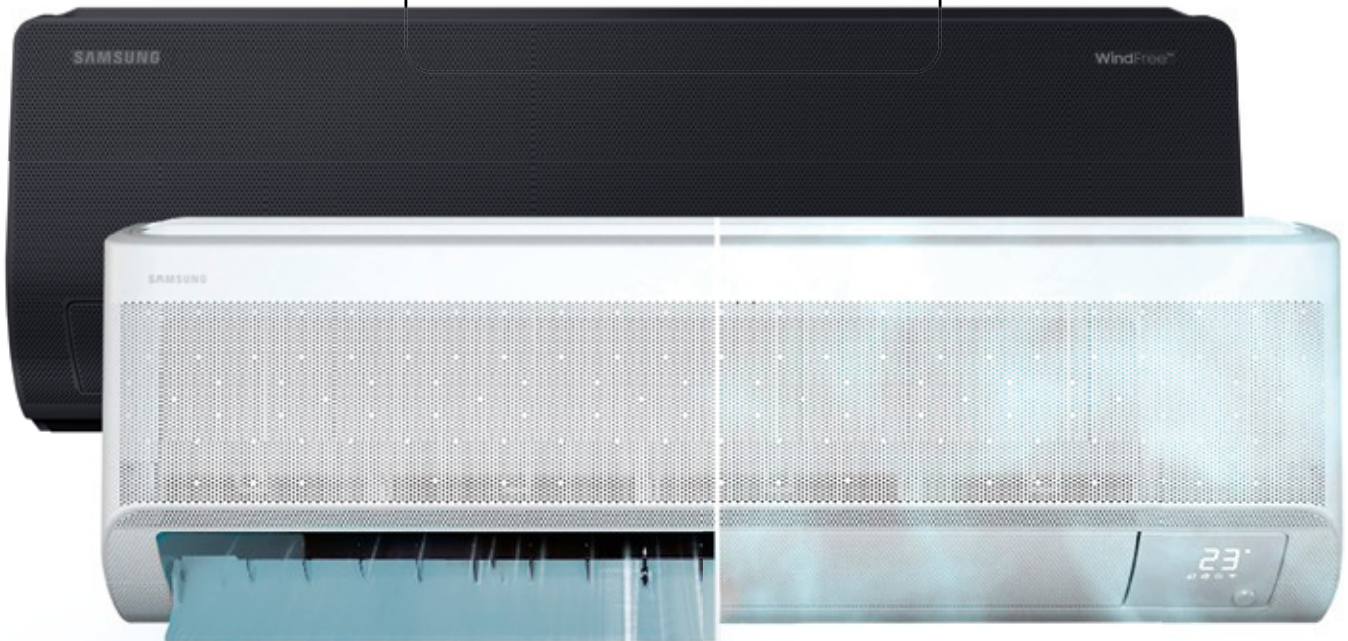
Conventional



WindFree™



AI Auto Comfort



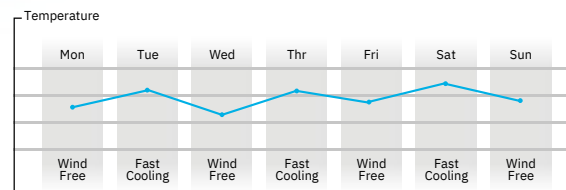
Fast Cooling

WindFree™ Cooling

AI Auto Comfort

AI Auto Comfort introduces residents to the experience of intelligent climate control¹. To make life simpler and more efficient it automatically optimises the various modes by analysing room conditions and usage patterns².

- ✓ Indoor Temperature
- ✓ Setting Temperature
- ✓ Outdoor Temperature
- ✓ Operating Time
- ✓ Usage Pattern



Based on the users' preferred indoor temperature and the actual outside temperature, the unit automatically

cooling and heating mode to maintain optimal and comfortable room conditions. This includes WindFree™, Fast and Normal Cooling and heating.

The product is compatible with Bixby 2.0³, allowing users to give voice commands, and it will adjust accordingly. The AI option is able to analyse the area, the preferred mode, and temperature then suggests the optimal settings for maximum comfort inside the home.

Learning Factors

- Indoor temperature
- Outdoor temperature
- Setting temperature
- Operating time



Determine cooling mode to reach the preferred temperature



Send usage pattern data



SmartThings Cloud



Send usage pattern data

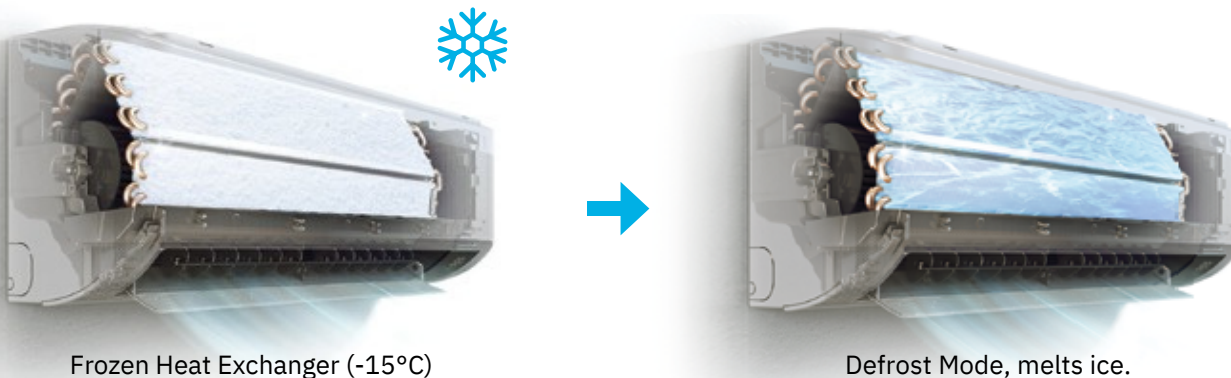
¹ AI = Artificial Intelligence. A Wi-Fi connection and Samsung SmartThings application account are required.

² Stores user data, preferences and usage patterns, enabling it to suggest the most comfortable room temperature set point within a range of 22 °C to 26 °C.

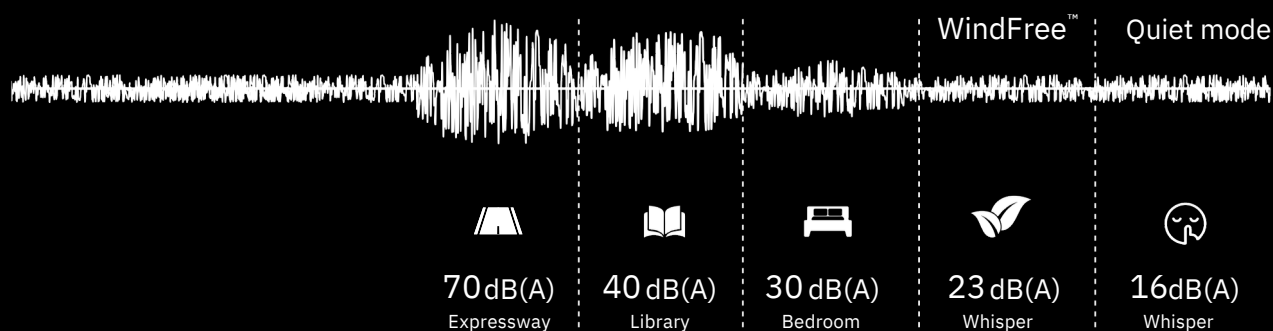
³ Bixby is Samsung's voice interface assistant. A Wi-Fi connection and a Samsung account is required. Currently Voice control is supported in English (US, UK, Indian), Chinese, Korean, French, German, Italian, Spanish and Portuguese. Voice control is supported Samsung Bixby 2.0 and Google Assistant (Google Home). Google Assistant is not available in certain languages and countries. Google is a trademark of Google LLC.

Freeze Wash

The Fresh Wash functionality freezes the heat exchanger of the indoor unit to -15°C to cover it into frost. After the indoor unit goes into defrost mode the ice will melt and this will remove certain pollutants within the heat-exchanger¹. It's easy to maintain without the need for any professional service engineer.



¹ Intertek Report No.: RT20E-S0047 Date: DEC 02, 2020 Based on the data collected the Hypothesis is accepted: The "Wash Clean (Domestic)/Freeze Wash (Overseas)" course of Samsung Air conditioner can remove more than 90% of the bacteria (Escherichia coli ATCC 8739, Staphylococcus aureus ATCC 6538) on the surface of heat exchanger.



WindFree™ Low Noise

The WindFree™ Avant S2 and Avant Black models operate at an ultra-low noise¹ level of just 16 dB(A)^{2,3} in their lowest setting, while WindFree™ mode runs at only 23 dB(A)^{2,3} – still quieter than a typical library of 40 dB(A). This ensures a calm and undisturbed environment, making the WindFree™ range perfect for bedrooms and quiet places.

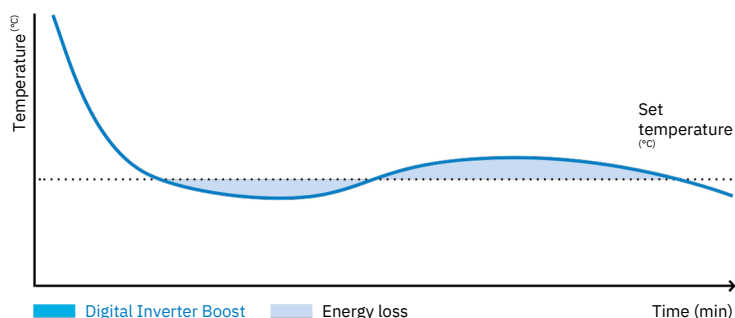
¹ Compared to decibel levels of equivalent products within the market.

² Tested in an acoustic space, measured at a 1-meter distance.

³ Only applicable to WindFree™ indoor units 2/2.5/3.5 kW.

AI Energy Mode of High-Efficiency Twin Rotary Compressor

The compressor uses AI¹ to analyse consumer usage patterns along with the indoor/outdoor temperature and humidity to operate in a more precise manner. AI Energy mode will endeavor to reduce energy usage by sacrificing indoor comfort with a maximum temperature difference of 2°C from set point. AI energy mode¹ learns patterns and adjusts temperatures in advance to reduce unnecessary usage.



¹ AI Energy mode can only operate if AI comfort is on. A Wi-Fi connection and Samsung SmartThings application account are required. Requires iOS 10.0 or later & Android 5.0 or later.



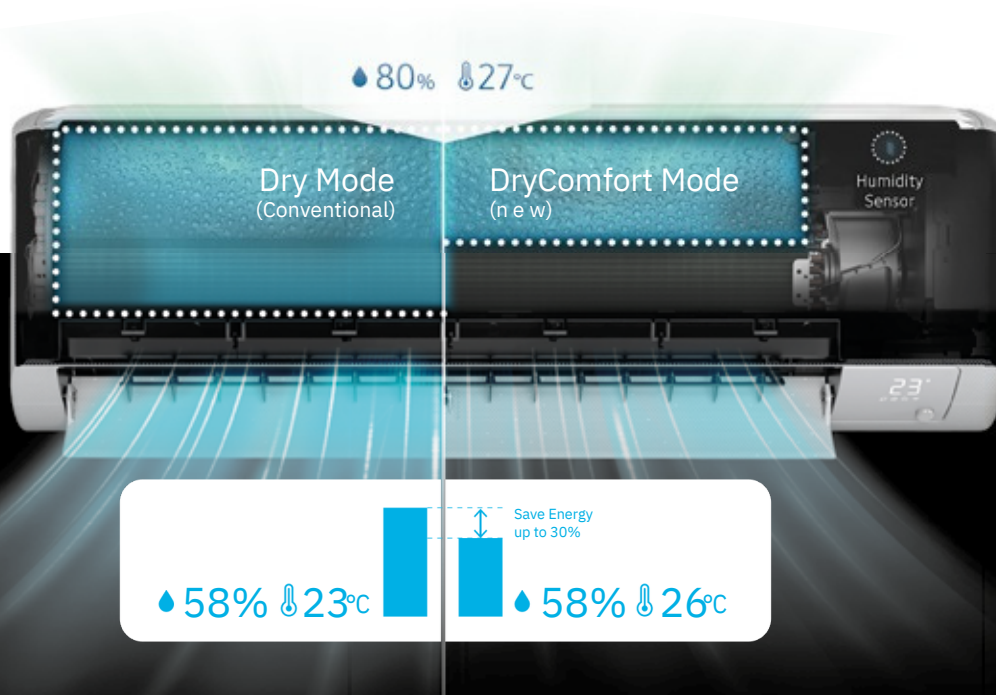
Tri-Care Filter

The Tri-Care Filter¹ keeps the air cleaner and sustains the performance of the Heat Exchanger. Its three layers include a high-density filter that extracts large household dust particles, fibres and animal hair. It also has a filter with Zeolite coating that captures fine dust, and helps to reduce certain types of viruses, bacteria and allergens in the air^{2,3}.

¹ Only applicable for WindFree™ Elite S2, WindFree™ Avant S2, and WindFree™ Avant Black.

² Verified by Intertek testing samples of Samsung AR9500T in a continuous airflow condition (to KS K 0693:2016 protocol using bacteriophage MS2 virus ATCC 15597-B1 and Escherichiacoli strain C3000 ATCC 15597) and antiviral Tri-Care Filter (to Samsung-defined test criteria using Staphylococcus aureus ATCC 6538 and Klebsiella pneumoniae ATCC 4352).

³ Verified by Intertek and Fiti testing samples of Samsung AR9500T in a continuous airflow condition. Testing standard is KS K 0693:2016, using bacterias staphylococcus aureus ATCC 6538 and klebsiella pneumoniae ATCC 4352.



Dry Comfort¹

This feature helps to reduce the humidity indoors without creating very cold air that causes discomfort. It can finely adjust the compressor frequency and refrigerant amount, saving energy

and achieving comfort². Mainly effective when there is high indoor humidity and you want to avoid the cold draft but still dehumidify the indoor air, often found in Southern Europe close to the ocean.

¹ Dry comfort is available in all countries where the WindFree™ units are installed. However, the benefit of this feature adds more value in humid and tropical climates.

² Based on Samsung's internal test, a saving of 30% at 25°C with 60% humidity is achieved. Dehumidification time may increase. Results may vary depending on the actual usage conditions.

SolarCell Remote Controller

The new SolarCell remote controller¹ focuses on innovative charging, slim design and easy usability features. The SolarCell remote controller does not need batteries; instead a solar panel is integrated on the back of the remote controller that allows charging by exposing it under direct light. A single, fully charged battery can last up to two years, making it an economical alternative to disposable batteries. In addition, there is also a USB-C port on the bottom of the remote control for fast charging. It has better grip, easier button controls, large OLED display and it is lightweight².

¹ The SolarCell Remote Controller is included with the WindFree™ Elite and WindFree™ S2 models and Cebu S2. Compared to the conventional infrared remote controller for example, the AR-EH03.





Indoor Unit Black Indoor Unit Avant S2 Outdoor Unit			AR	AR	AR 70F			
			70F07C1ABNEU	70F09C1ABNEU	12C1ABNEU AR	AR 70F	AR 70F	AR70F24C1AWNE
			AR70F07C1AWNE		70F 12C1AWNEU	15C1AWNEU AR	18C1AWNEU AR	U
Capacity								
Capacity	Cooling (Nominal)	kW	2	2.5	3,5	4.3	5	6.5
	Cooling (Min-Max)	kW	0.96 - 3.2	0.96 - 3.7	1- 4.6	1- 5	1.6 -6.7	1.4 - 7.6
	Heating @ +7 °C	kW	2.2	3.2	4.0	4.7	6	7.4
	Heating (Min-Max)	kW	0.7 - 6.7	0.7 - 7	0.7 - 7.2	0.7 - 7.6	1.3 - 8	1.2 - 9.7
	Heating @ -5 °C	kW	4.2	4.39	4.96	5.08	5.29	6.58
	Heating @ -10 °C	kW	4.17	4.35	4.74	4.71	4.88	5.97
	Heating @ -15 °C	kW	3.57	3.72	4.1	4.16	4.13	5.12
Performance								
Energy Efficiency Cooling	SEER ¹	W/W	9/ A+++	8.8/ A+++	8.6/ A+++	8/ A++	7.2/ A++	7/ A++
	Power Consumption	kWh/a	77.78	99.43	142.44	188.13	243.06	325.00
	Pdesignc	kW	2	2,5	3,5	4,3	5	6,5
	EER	W/W	4,65	4,39	3,85	3,64	3,6	3,33
Energy Efficiency Heating	SCOP ¹	W/W	4.8/ A++	4.8/ A++	4.8/ A++	4.6/ A++	4.1/ A+	4.3/ A+
	Power Consumption	kWh/a	641.67	670.83	700.00	821.74	1297.56	1334.88
	Pdesignh (average)	kW	2.2	2.3	2.4	2.7	3.8	4.1
	COP ¹	W/W	4,78	4,21	3,74	3,73	3,73	3,36
Moisture Removal		l/h	1.0	1.0	1.5	1.5	2	2.5
Maximum Airflow (Cooling)	Indoor Unit	m ³ /min	9	9.5	10.5	14.2	15.7	17.6
	Outdoor Unit	m ³ /min	45	45	45	45	50	50
Sound Power	Indoor Unit (Cooling)	n	56	56	58	58	58	62
	Outdoor Unit (Cooling)	n	59	59	62	65	65	68
Sound Pressure	Indoor Unit High/Silent Mode	dB(A)	38 / 16	38 / 16	40 / 16	41 / 25	41 / 25	45 / 27
	Outdoor Unit High	dB(A)	45	45	46	48	51	54
Operating Temperature Range	Cooling	°C	-10~46	-10~46	-10~46	-10~46	-10~46	-10~46
	Heating	°C	-15~24	-15~24	-15~24	-15~24	-15~24	-15~24
Electrical Data								
Power Source	Φ, V,		1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz
Compressor Type	Outdoor Unit	Hz	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
Power Consumption	Cooling	Type	430	570	910	1180	1390	1950
	Heating	W	460	760	1070	1260	1610	2200
Operating Current	Cooling	W	2.3	3	4.1	5.2	6.4	8.8
	Heating	A	2.3	3.4	4.7	5.6	7.8	9.8
Dimensions								
Net Dimensions (W x H x D)	Indoor Unit	mm	889 x 299 x 215	889 x 299 x 215	889 x 299 x 215	889 x 299 x 215	1,055 x 299 x 215	1,055 x 299 x 215
	Outdoor Unit	mm	790 x 548 x 285	790 x 548 x 285	790 x 548 x 285	790 x 548 x 285	880 x 638 x 310	880 x 638 x 310
Net Weight	Indoor Unit	kg	9,9	9,9	9,9	9,9	12,3	12,3
	Outdoor Unit	kg	30,7	30,7	30,7	30,7	30,7	30,7
Refrigerant								
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)					
	Charging (for 7.5 m)	kg	0,95	0,95	0,95	0,95	1,3	1,3
	Charging Ton Equivalent CO ₂ e	tCO ₂ e	0.64	0.64	0.64	0.64	0.88	0.88
	Additional Refrigerant Charging	g/m	15	15	15	15	15	15
Piping Connections	Liquid Pipe	ø, mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas Pipe	ø, mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)	15.88 (5/8)
Piping Length	Min/Max (ODU to IDU)	m	3/20	3/20	3/20	3/20	3/30	3/30
Piping Height	Max	m	10	10	10	10	15	15
Piping Connections	Drain Pipe	ø, mm	ø16.3, 550 mm	ø16.3, 550 mm	ø16.3, 550 mm	ø16.3, 550 mm	ø16.3, 550 mm	ø16.3, 550 mm

Controls and Accessories



Wireless Remote Controller SolarCell (Included)	Advanced Wired Controller ³	Simple Type Controller ³	Touch Controller ³
	MWR-WG013N MWR-WG01KN	MWR-SH00N	MWR-SH11N

³ MIM-A00N Interface is required for the connection to wired remote controllers.

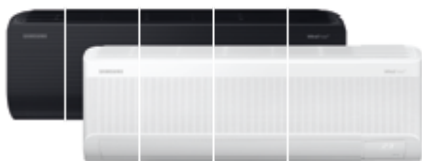


Indoor Unit Black	AR 70F07C1ABNEU	AR	AR	70F					
Indoor Unit Avant S2	AR70F07C1AWNEU	70F09C1ABNEU	12C1ABNEU	AR	AR	70F	AR	70F	AR70F24C1AWNE
Outdoor Unit	AR70F07C1AWXEU	AR	70F	12C1AWNEU	15C1AWNEU	AR	18C1AWNEU	AR	U

Functions		Indoor Unit Black - AR70F07C1ABNEU		Indoor Unit Avant S2 - AR70F07C1AWNEU		Indoor Unit Avant S2 - AR70F09C1ABNEU		Indoor Unit Avant S2 - AR70F12C1ABNEU		Indoor Unit Avant S2 - AR70F15C1ABNEU		Indoor Unit Avant S2 - AR70F18C1ABNEU	
Airflow	WindFree™ Cooling	•	•	•	•	•	•	•	•	•	•	•	•
	Air Direction Control (Up/Down)	Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto
	Air Direction Control (Left/Right)	Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto
	Auto Fan Speed	•	•	•	•	•	•	•	•	•	•	•	•
Air Purification	Tri-Care Filter	•	•	•	•	•	•	•	•	•	•	•	•
	Easy Filter Plus	•	•	•	•	•	•	•	•	•	•	•	•
	Auto Clean (Self-Cleaning)	•	•	•	•	•	•	•	•	•	•	•	•
	AI Auto Comfort with Wi-Fi & MDS (direct/indirect)	•	•	•	•	•	•	•	•	•	•	•	•
Operating Mode	AI Auto Comfort with Wi-Fi	-	-	-	-	-	-	-	-	-	-	-	-
	Auto Mode (without Wi-Fi)	•	•	•	•	•	•	•	•	•	•	•	•
	Fast Cooling	-	-	-	-	-	-	-	-	-	-	-	-
	Good Sleep	•	•	•	•	•	•	•	•	•	•	•	•
	Eco	•	•	•	•	•	•	•	•	•	•	•	•
	Dehumidification	•	•	•	•	•	•	•	•	•	•	•	•
	Fan	•	•	•	•	•	•	•	•	•	•	•	•
	Quiet	•	•	•	•	•	•	•	•	•	•	•	•
	Samsung SmartThings	•	•	•	•	•	•	•	•	•	•	•	•
	MDS (Motion Detect Sensor)	•	•	•	•	•	•	•	•	•	•	•	•
	Indoor Temperature Display	•	•	•	•	•	•	•	•	•	•	•	•
	Display On/Off	•	•	•	•	•	•	•	•	•	•	•	•
Other Functions	Beep On/Off	•	•	•	•	•	•	•	•	•	•	•	•
	Auto Changeover	•	•	•	•	•	•	•	•	•	•	•	•
	Auto Restart	•	•	•	•	•	•	•	•	•	•	•	•
	88 Display	•	•	•	•	•	•	•	•	•	•	•	•
		•	•	•	•	•	•	•	•	•	•	•	•

¹ Energy labels as shown are according to EU No 626/2011 (LOT 10) label classification 2019, on a scale from D to A+++.

² A MIM-R10N Interface is required to connect the Outdoor Unit (ODU) to the centralized controller.

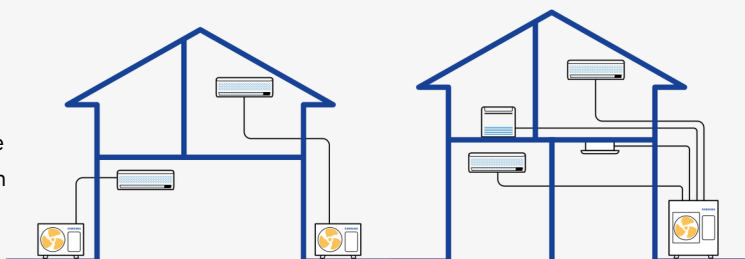


Indoor Unit Avant S2 - AR70F**C1AWNEU						
Indoor Unit Avant Black - AR70F**C1ABNEU						
Capacity (kW)	2	2.5	3.5	4.3*	5*	6.5*
Single Split (RAC) - AR70F**CAAWX/EU						
AR70F**C1AWXEU	•	•	•	•	•	•
Multi Split (FJM) - AJ***TXJ**KG/EU						
AJ040TXJ2KG/EU	•	•	•	-	-	-
AJ050TXJ2KG/EU	•	•	•	-	•	-
AJ052TXJ3KG/EU	•	•	•	-	•	-
AJ068TXJ3KG/EU	•	•	•	-	•	-
AJ080TXJ4KG/EU	•	•	•	-	•	•
AJ100TXJ5KG/EU	•	•	•	-	•	•

* not available in WindFree Avant Black

Schematic of Single Split + Multi Split

Any air conditioning system needs both an indoor and an outdoor unit. Depending on the system you choose, multiple indoor units can be connected to the same outdoor unit. The system which is right for you depends on your needs, your home and the way your home is built.



SAMSUNG



WindFreeTM Comfort S2

Intelligent cooling. No cold drafts.



Scan to visit the website

Everyday comfort

A perfect balance of advanced performance and everyday convenience, with all the benefits of WindFree™ technology - no cold drafts and low noise operation. Positioned just below the Elite S2 and Avant S2 models, the Comfort S2 offers essential smart features and reliable cooling at an accessible level, without compromising on quality.

WindFree™ Comfort S2



WindFree™ Cooling



Wi-Fi Control



AI Auto Comfort



R32 Refrigerant



Freeze Wash

The new white display design is maximized for easy readability of the dashboard and blends seamlessly into any space. The design also ensures easy maintenance, as the front panel can be easily removed for cleaning.

A++/A++



23.000
Micro air holes

WindFree™ Cooling mode

WindFree™ Cooling mode keeps the room comfortably cool. It cools gently and quietly, dispersing air through 23.000 micro-holes so that people never have to deal with the unpleasant feeling of a cold draft on their skin. This results in a "Still Air" environment¹ with a very low air speed and limited noise². The advanced airflow structure of this mode also means that it cools a wider and larger area more evenly.

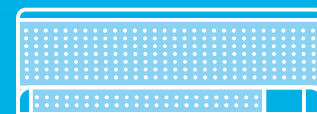
¹ ASHRAE (the American Society of Heating, Refrigerating, and Air-Conditioning Engineers) defines "Still Air" as air currents moving at speeds below 0.15 m/s, with no cold drafts.

² Tested on the AR12TXCAAWKNEU model in an anechoic environment. WindFree™ mode generates 23 dB(A) of noise, compared to 26 dB(A) produced by the conventional Samsung model. Sound pressure level is a relative value, depending on the distance and acoustic environment. Sound pressure level may differ according to operating conditions.

Comparison of discharge areas



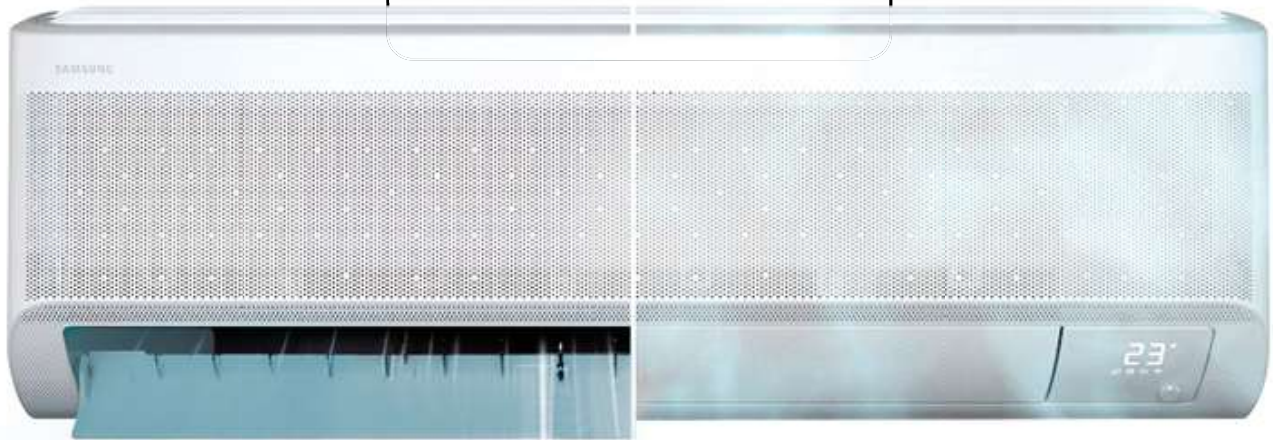
Conventional



WindFree™



AI Auto Comfort



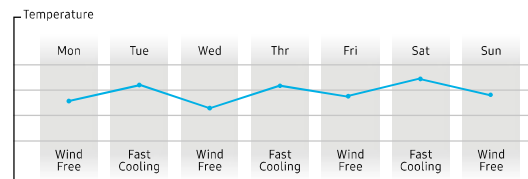
Fast Cooling

WindFree™ Cooling

AI Auto Comfort

AI Auto Comfort introduces residents to the experience of intelligent climate control¹. To make life simpler and more efficient it automatically optimises the various modes by analysing room conditions and usage patterns².

- ✓ Indoor Temperature
- ✓ Setting Temperature
- ✓ Outdoor Temperature
- ✓ Operating Time
- ✓ Usage Pattern



Based on the users' preferred indoor temperature and the actual outside temperature, the unit automatically switches to the most appropriate cooling and heating mode to maintain optimal and comfortable room conditions. This includes WindFree™, Fast and Normal Cooling and heating.

The product is compatible with Bixby 2.0³, allowing users to give voice commands, and it will adjust accordingly. The AI option is able to analyse the area, the preferred mode, and temperature then suggests the optimal settings for maximum comfort inside the home.

Learning Factors

- Indoor temperature
- Outdoor temperature
- Setting temperature
- Operating time



Determine cooling mode to reach the preferred temperature



Send usage pattern data



SmartThings Cloud

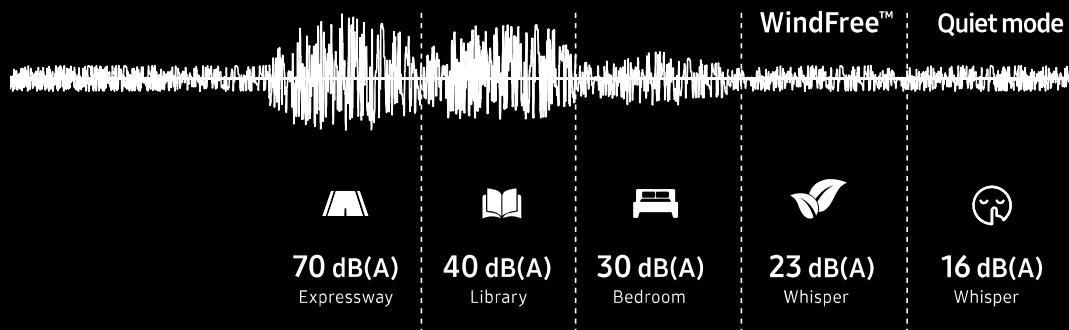


Send usage pattern data

¹ AI = Artificial Intelligence. A Wi-Fi connection and Samsung SmartThings application account are required.

² Stores user data, preferences and usage patterns, enabling it to suggest the most comfortable room temperature set point within a range of 22 °C to 26 °C.

³ Bixby is Samsung's voice interface assistant. A Wi-Fi connection and a Samsung account is required. Currently Voice control is supported in English (US, UK, Indian), Chinese, Korean, French, German, Italian, Spanish and Portuguese. Voice control is supported Samsung Bixby 2.0 and Google Assistant (Google Home). Google Assistant is not available in certain languages and countries. Google is a trademark of Google LLC.



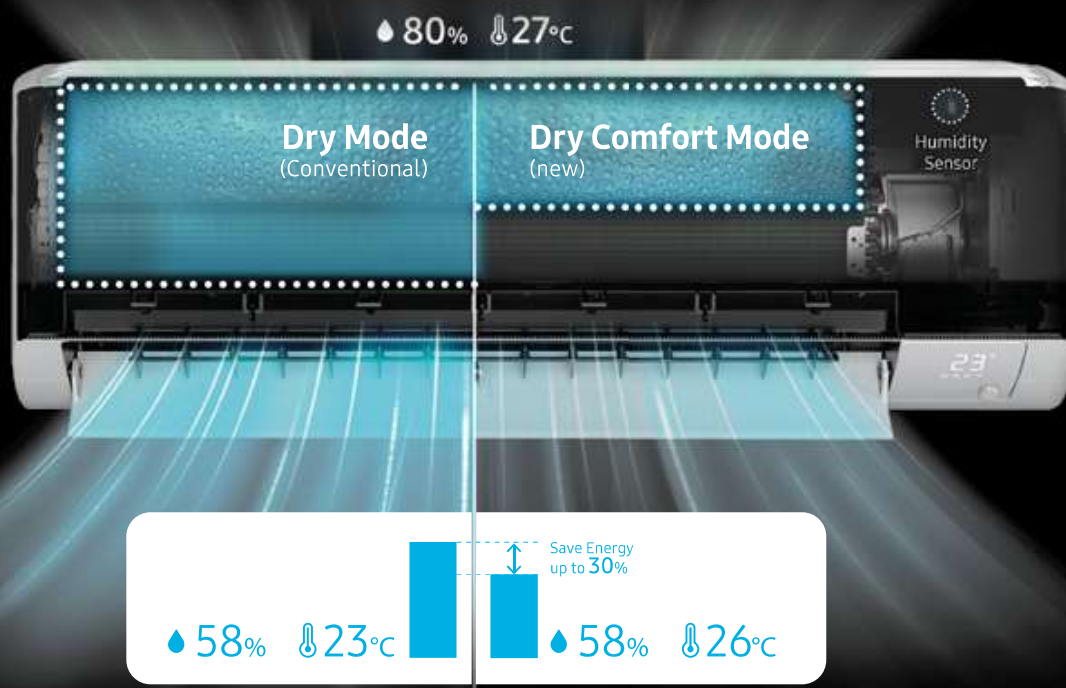
WindFree™ Low Noise

The WindFree™ Comfort S2 operates at an ultra-low noise¹ level of just 16 dB(A)^{2,3} in their lowest setting, while WindFree™ mode runs at only 23 dB(A)^{2,3} – still quieter than a typical library of 40 dB(A). This ensures a calm and undisturbed environment, making the WindFree™ range perfect for bedrooms and quiet places.

¹ Compared to decibel levels of equivalent products within the market.

² Tested in an acoustic space, measured at a 1-meter distance.

³ Only applicable to WindFree™ indoor units 2/2.5/3.5 kW.



Dry Comfort¹

This feature helps to reduce the humidity indoors without creating very cold air that causes discomfort. It can finely adjust the compressor frequency and refrigerant amount, saving energy and achieving

comfort². Mainly effective when there is high indoor humidity and you want to avoid the cold draft but still dehumidify the indoor air, often found in Southern Europe close to the ocean.

¹ Dry comfort is available in all countries where the WindFree™ units are installed. However, the benefit of this feature adds more value in humid and tropical climates.

² Based on Samsung's internal test, a saving of 30% at 25°C with 60% humidity is achieved. Dehumidification time may increase. Results may vary depending on the actual usage conditions.



Frozen Heat Exchanger (-15°C)



Defrost Mode, melts ice.

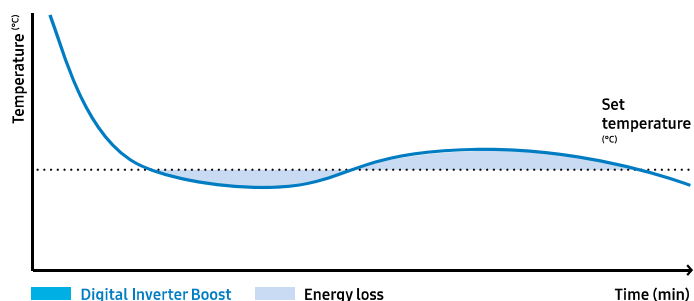
Freeze Wash

The Fresh Wash functionality freezes the heat exchanger of the indoor unit to -15°C to cover it into frost. After the indoor unit goes into defrost mode the ice will melt and this will remove certain pollutants within the heat-exchanger¹. It's easy to maintain without the need for any professional service engineer.

intertek
Total Quality. Assured.

¹ Intertek Report No.: RT20E-S0047 Date: DEC 02, 2020 Based on the data collected the Hypothesis is accepted: The "Wash Clean (Domestic)/Freeze Wash (Overseas)" course of Samsung Air conditioner can remove more than 90% of the bacteria (Escherichia coli ATCC 8739, Staphylococcus aureus ATCC 6538) on the surface of heat exchanger.

AI Energy Mode of High-Efficiency Twin Rotary Compressor



The compressor uses AI¹ to analyse consumer usage patterns along with the indoor/outdoor temperature and humidity to operate in a more precise manner. AI Energy mode will endeavor to reduce energy usage by sacrificing indoor comfort with a maximum temperature difference of 2°C from set point. AI energy mode¹ learns patterns and adjusts temperatures in advance to reduce unnecessary usage.

¹ AI Energy mode can only operate if AI comfort is on. A Wi-Fi connection and Samsung SmartThings application account are required. Requires iOS 10.0 or later & Android 5.0 or later.

SolarCell Remote Controller

The new SolarCell remote controller¹ focuses on innovative charging, slim design and easy usability features. The SolarCell remote controller does not need batteries; instead a solar panel is integrated on the back of the remote controller that allows charging by exposing it under direct light. A single, fully charged battery can last up to two years, making it an economical alternative to disposable batteries. In addition, there is also a USB-C port on the bottom of the remote control for fast charging. It has better grip, easier button controls, large OLED display and it is lightweight².

¹ The SolarCell Remote Controller is included with the WindFree™ Elite and WindFree™ S2 models and Cebu S2.

² Compared to the conventional infrared remote controller for example, the AR-EH03.

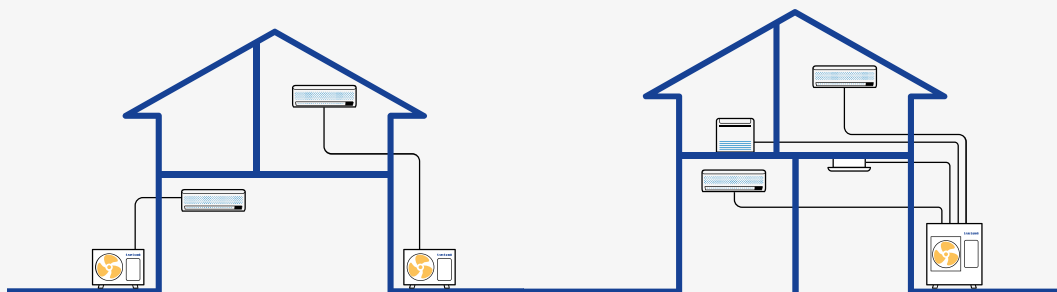




WindFree™ Comfort AR60F**C1AWN/EU					
Capacity (kW)	2	2.5	3.5	5	6.5
Single Split (RAC)					
AR60F**C1AWXEU	-	•	•	•	•
Multi Split (FJM)					
AJ040TXJ2KGEU	•	•	•	-	-
AJ050TXJ2KGEU	•	•	•	•	-
AJ052TXJ3KGEU	•	•	•	•	-
AJ068TXJ3KGEU	•	•	•	•	-
AJ080TXJ4KGEU	•	•	•	•	•
AJ100TXJ5KGEU	•	•	•	•	•

Schematic of Single Split + Multi Split

Any air conditioning system needs both an indoor and an outdoor unit. Depending on the system you choose, multiple indoor units can be connected to the same outdoor unit. The system which is right for you depends on your needs, your home and the way your home is built.



Controls and Accessories

Wireless Remote Controller SolarCell (Included)	Advanced Wired Controller ³	Simple Type Controller ³	Touch Controller ³
	MWR-WG01JN MWR-WG01KN	MWR-SH00N	MWR-SH11N

³ MIM-A00N Interface is required for the connection to wired remote controllers.



			Indoor Unit	AR60F09C1AWNEU	AR60F12C1AWNEU	AR60F18C1AWNEU	AR60F24C1AWNEU
			Outdoor Unit	AR60F09C1AWXEU	AR60F12C1AWXEU	AR60F18C1AWXEU	AR60F24C1AWXEU
Capacity							
	Cooling (Min–Max)	kW		1 - 3.5	0.9 - 4.2	1.6 - 6.7	1.4 - 7.6
	Heating @ +7 °C	kW		3.2	4.0	6	7.4
Performance							
Energy Efficiency Cooling	SEER ¹	W/W		7.9/ A++	7.6/ A++	7.2/ A++	7/ A++
	Pdesignc	kW		2,5	3,5	5	6,5
	EER	W/W		4	3,54	3,6	3,33
Energy Efficiency Heating	SCOP ¹	W/W		4.6/ A++	4.6/ A++	4.1/ A+	4.3/ A+
	Pdesignh (average)	kW		2.2	2.3	3.8	4.1
	COP ¹	W/W		4,16	3,92	3,73	3,36
Moisture Removal		l/h		1.0	1.5	2	2.5
Maximum Airflow (Cooling)	Indoor Unit	m³/min		12.1	13.1	15.7	17.6
Sound Power	Indoor Unit (Cooling)	dB(A)		56	58	58	62
	Outdoor Unit (Cooling)	dB(A)		63	63	65	68
Sound Pressure	Indoor Unit High/Silent Mode	dB(A)		38 / 16	40 / 16	41 / 25	45 / 27
	Outdoor Unit High	dB(A)		45	46	51	54
Operating Temperature Range	Cooling	°C		-10–46	-10–46	-10–46	-10–46
	Heating	°C		-15–24	-15–24	-15–24	-15–24
Electrical Data							
Power Source		Φ, V, Hz		1Φ, 220–240 V, 50 Hz	1Φ, 220–240 V, 50 Hz	1Φ, 220–240 V, 50 Hz	1Φ, 220–240 V, 50 Hz
Power Consumption	Cooling	W		625	990	1390	1950
	Heating	W		770	1020	1610	2200
Dimensions							
Net Dimensions (W x H x D)	Indoor Unit	mm		889 x 299 x 215	889 x 299 x 215	1,055 x 299 x 215	1,055 x 299 x 215
	Outdoor Unit	mm		710 x 540 x 220	710 x 540 x 220	880 x 638 x 310	880 x 638 x 310
Net Weight	Indoor Unit	kg		9,9	9,9	12,3	12,3
	Outdoor Unit	kg		24	24	36,8	38,6
Refrigerant							
Refrigerant	Type			R32 (contains fluorinated greenhouse gases. GWP = 675)			
	Charging (for 7.5 m)	kg		0,7	0,7	1,3	1,3
	Charging Ton Equivalent CO ₂	tCO ₂ e		0.47	0.47	0.88	0.88
Piping Connections	Liquid Pipe	ø, mm (inch)		6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas Pipe	ø, mm (inch)		9.52 (3/8)	9.52 (3/8)	12.7 (1/2)	15.88 (5/8)
Piping Length	Min/Max (ODU to IDU)	m		3/15	3/15	3/30	3/30
Piping Height	Max	m		8	8	15	15

¹ Energy labels as shown are according to EU No 626/2011 (LOT 10) label classification 2019, on a scale from D to A+++.

² The centralized controller is only compatible with specific bigger capacity ODU i.e. AR18TXFCAWKXEU and AR24TXFCAWKXEU. It is not compatible with the 2.5kW and 3.5kW RAC ODU. A MIM-R10N Interface is required for the Outdoor Unit (ODU).