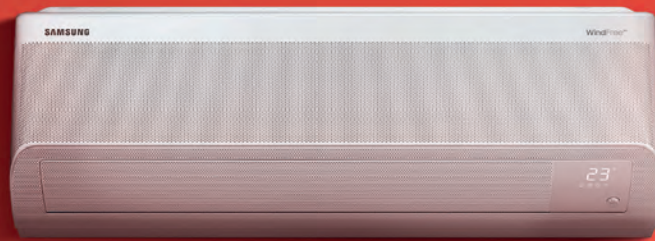


SAMSUNG



WindFree™ Comfort S2, Avant S2, Avant Black & Elite S2



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15 VEGAN

ANCIENT ART
MODERN ART

Comfort meets innovation

Discover our new residential air conditioning line-up for 2025. The new range of WindFree™ climate solutions offers optimal comfort for homes and light commercial environments.

WindFree™ Elite S2

A+++/A+++



WindFree™
Cooling



Wi-Fi Control



AI Auto Comfort



Tri-Care Filter



Motion Detect
Sensor



R32 Refrigerant



Freeze Wash

WindFree™ Avant S2

A+++/A++



WindFree™
Cooling



Wi-Fi Control



AI Auto Comfort



Tri-Care Filter



R32 Refrigerant



Freeze Wash

WindFree™ Avant Black

A+++/A++



WindFree™
Cooling



Wi-Fi Control



AI Auto Comfort



Tri-Care Filter



R32 Refrigerant



Freeze Wash

WindFree™ Comfort S2

A++/A++



WindFree™
Cooling



Wi-Fi Control



AI Auto Comfort



R32 Refrigerant



Freeze Wash

The 2025 residential air conditioner series includes the WindFree™ Comfort S2, WindFree™ Avant S2 and its Black edition, and the flagship model WindFree™ Elite S2. The WindFree™ Cooling mode ensures gentle and quiet¹ cooling. All models come with Wi-Fi Control via Samsung SmartThings and Bixby voice controls. The SmartThings App² allows users to adjust and control their air conditioner remotely, delivering smart and user-friendly climate control³.

¹ 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.

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

³ In normal default mode. End user may adjust the time interval by selecting Eco or Comfort mode or through SmartThings. The absence of movement is tracked after a minimum of five minutes and maximum of 60 minutes for each interval.

WindFree™ Wall-Mounted models

The new residential air conditioner line-up offers Samsung's WindFree™ technology. WindFree™ Cooling mode helps to cool wider and larger areas evenly and comfortably. The complete line-up is further equipped with AI Auto Comfort, introducing residents to the experience of intelligent climate control⁴. To simplify climate control, it automatically optimises the various modes by analysing room conditions and usage patterns⁵.

⁴ AI = Artificial Intelligence. A Wi-Fi connection and Samsung SmartThings application account are required.

⁵ 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.



All WindFree™ wall-mounted models feature Freeze Wash⁶, simplifying maintenance. The indoor unit's heat exchanger cools to -15°C, creating a frost layer. When switching to defrost mode, the ice melts, helping to remove certain pollutants from the heat exchanger⁷. The Samsung WindFree™ range features this functionality and comes in up to six cooling capacities: 2 kW, 2.5 kW, 3.5 kW, 4.2 kW, 5 kW, and 6.5 kW. It has up to an A+++ energy label (SEER⁸) and uses R32 refrigerant, depending on your selection of one of the WindFree™ models.

intertek
Total Quality. Assured.

⁶ Freeze Wash functionality is available on all WindFree™ (single split) air conditioning units in 2025, not on multi Split Outdoor Units.

⁷ 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.

⁸ Energy labels as shown are according to EU No 626/2011 (LOT 10) label classification 2019, on a scale from D to A+++

Hassle-free installation and servicing

Engineered for quick and easy installation and maintenance, the new line-up helps professionals save time while delivering top service to their customers. The WindFree™ wall-mounted air conditioners also feature a snap-fit bottom cover that can be easily opened and closed. There are two screw points which allows for convenient installation and servicing. All models are designed with professionals in mind, prioritizing easy installation, maintenance and smart diagnostics to help simplify servicing.



Easy to detach



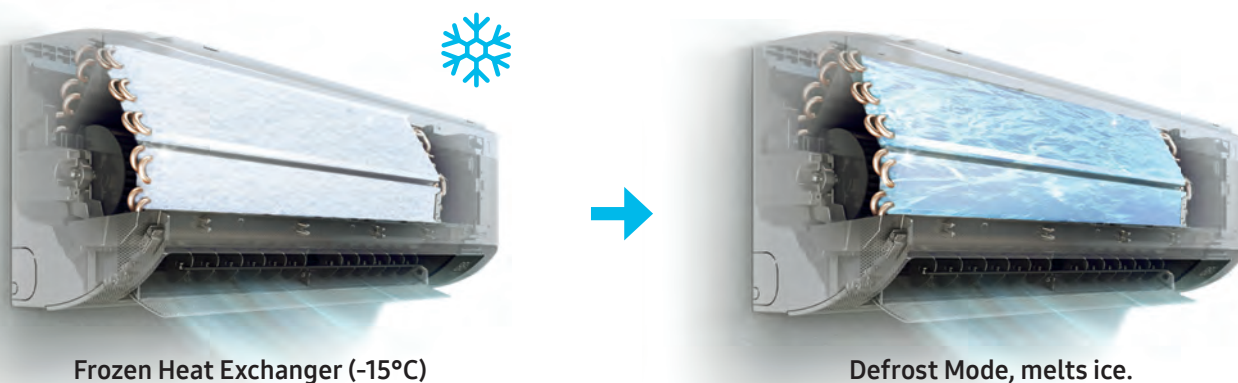
Easy to clean

WindFree™ wall-mounted models feature Easy Filter Plus, conveniently placed on top of the unit, allowing for hassle-free removal and cleaning. Its dense mesh captures certain types of dust, keeping the Heat Exchanger clean. A special coating traps additional airborne contaminants⁹, improving indoor air quality.

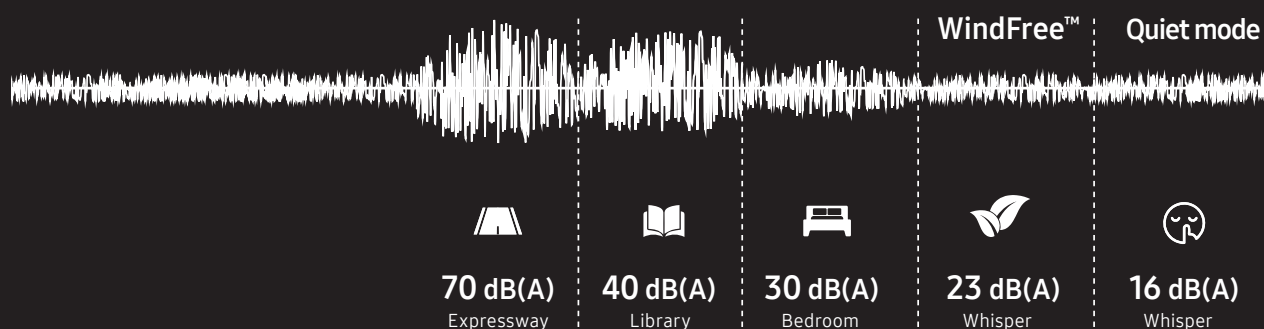
⁹ Tested in Korean test lab (FITI). Data has been measured under specific testing conditions and may vary depending on environmental factors and individual use. Certain airborne contaminants referred to are Escherichia coli ATCC 25922, Staphylococcus aureus ATCC 6538.

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.

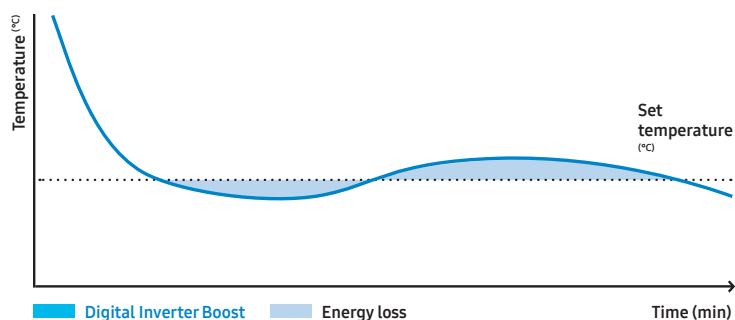
¹ Compared to decibel levels of equivalent products within the market.

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.



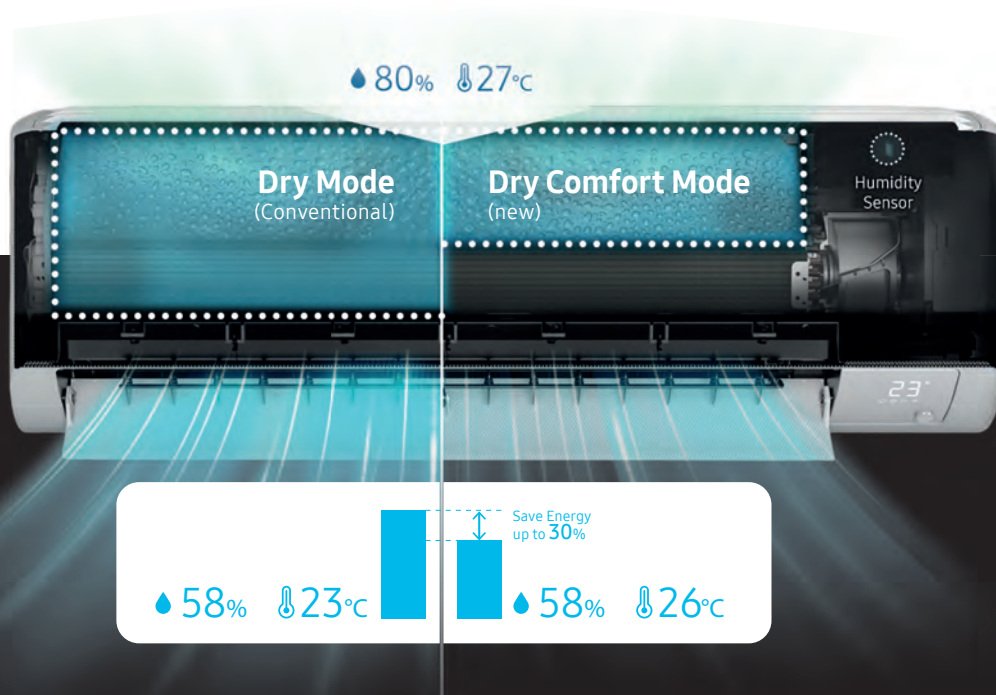
Tri-Care Filter

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.

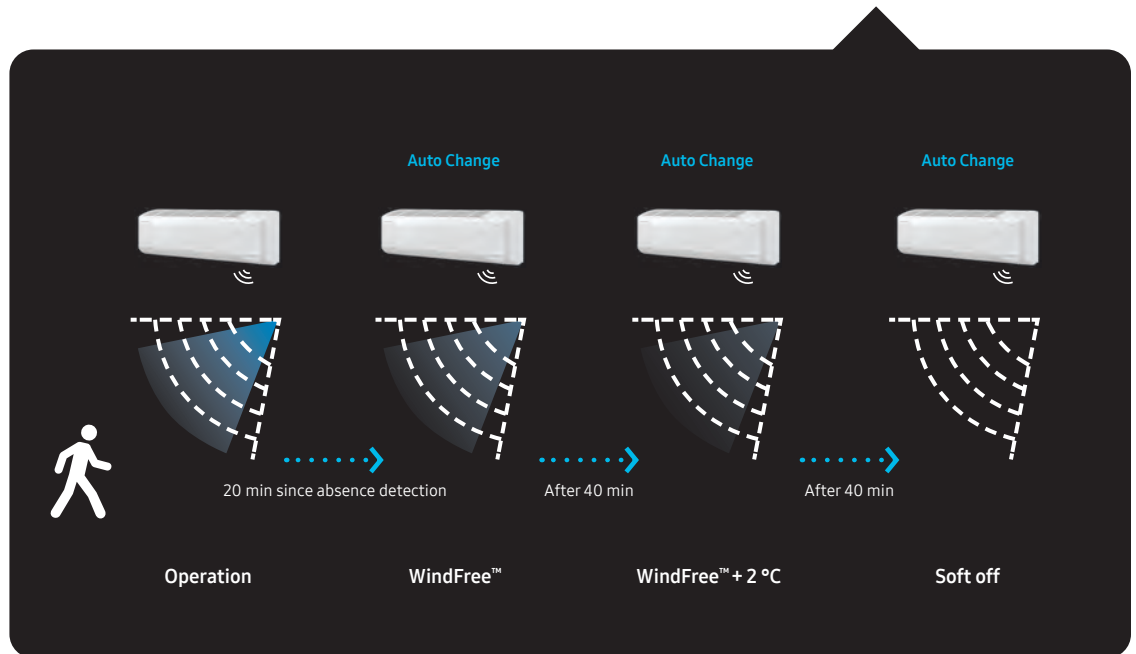
SolarCell Remote Controller

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.

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





The WindFree™ showpiece: Elite S2

The flagship WindFree™ Elite S2 comes with the most extensive set of features, including a Motion Detect Sensor (MDS) to cool the home efficiently whether someone is there or not. If no movement is detected for 20 minutes¹⁰, it switches to WindFree™ mode to save energy. After 40 minutes, it increases the temperature by 2°C, and after another 40 minutes, it enters standby mode. Users can customize detection settings with the SmartThings app¹¹. The Elite S2 is available in 2.5 kW and 3.5 kW, both with an A+++ energy label (SEER¹²/SCOP¹²) and R32 refrigerant.

¹⁰ In normal default mode. End user may adjust the time interval by selecting Eco or Comfort mode or through SmartThings. The absence of movement is tracked after a minimum of five minutes and maximum of 60 minutes for each interval.

¹¹ A Wi-Fi connection and Samsung SmartThings application account are required. Requires iOS 10.0 or later & Android 5.0 or later.

¹² Energy labels as shown are according to EU No 626/2011 (LOT 10) label classification 2019, on a scale from D to A+++



Up to 99%
Anti-bacteria

The WindFree™ Avant S2 line-up now includes the Avant Black, a sleek black edition that blends seamlessly in modern interiors. Elite S2 and the Avant S2 & Black models feature advanced air purification with a Tri-Care Filter¹³, which captures dust, allergens, and certain bacteria and viruses¹⁴.

¹³ Only applicable for WindFree™ Elite S2 and WindFree™ Avant S2 and Avant Black

¹⁴ 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 Escherichia coli strain C3000 ATCC 15597) and antiviral Tri-Care Filter (to Samsung-defined test criteria using Staphylococcus aureus ATCC 6538 and Klebsiella pneumoniae ATCC 4352).

Compatibility guide

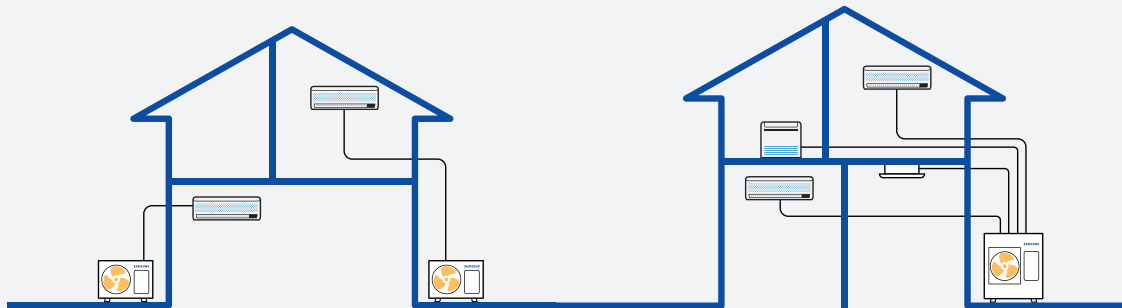
Multi Split Wall Mounted Indoor Unit



Model			WindFree™ Elite S2			WindFree™ Avant S2 & WindFree™ Avant Black					WindFree™ Comfort S2				
Indoor unit model code			AR70F07/09/12CAAWNEU			AR70F07/09/12/18/24C1AWNEU AR70F07/09/12C1ABNEU					AR60F07/09/12/18/24C1AWNEU				
Refrigerant type	Outdoor unit model code	Capacity (kW)	2.0	2.5	3.5	2.0	2.5	3.5	5.2	6.8	2.0	2.5	3.5	5.2	6.8
R32	AJ040TXJ2KG/EU	4.0	•	•	•	•	•	•			•	•	•		
	AJ050TXJ2KG/EU	5.0	•	•	•	•	•	•	•		•	•	•	•	
	AJ052TXJ3KG/EU	5.2	•	•	•	•	•	•	•		•	•	•	•	
	AJ068TXJ3KG/EU	6.8	•	•	•	•	•	•	•		•	•	•	•	
	AJ080TXJ4KG/EU	8.0	•	•	•	•	•	•	•	•	•	•	•	•	•
	AJ100TXJ5KG/EU	10.0	•	•	•	•	•	•	•	•	•	•	•	•	•

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 SolarCell
Remote Controller (included)¹



Wireless Remote Controller²



Advanced Wired Controller³

MWR-WG01JN/MWR-WG01KN



Simple Type Controller³

MWR-SH00N



Touch Controller³

MWR-SH11N

¹ Available for all WindFree™ models and Cebu S2

² included for Luzon S2

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

WindFree™ Avant Black & Avant S2

- Three-step cooling: Fast Cooling mode, Dehumidification mode and WindFree™ Cooling mode.
- Tri-Care Filter system with Zeolite Coating.
- AI Auto Comfort.
- Wi-Fi Control with Samsung SmartThings and Bixby voice controls.
- Compressor with Digital Inverter Boost technology.
- Direct drive fan powered by a BLDC motor.
- Triple Protector Plus to protect compressor, fin and controller from power surges.
- Compatible with wired remote controller and with centralized controller².
- SolarCell remote controller included.
- Freezewash.



Indoor Unit Black			AR70F07C1ABNEU	AR70F09C1ABNEU	AR70F12C1ABNEU			
Indoor Unit Avant S2			AR70F07C1AWNEU	AR70F09C1AWNEU	AR70F12C1AWNEU	AR70F15C1AWNEU	AR70F18C1AWNEU	AR70F24C1AWNEU
Outdoor Unit			AR70F07C1AWXEU	AR70F09C1AWXEU	AR70F12C1AWXEU	AR70F15C1AWXEU	AR70F18C1AWXEU	AR70F24C1AWXEU
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	m³/min	9	9.5	10.5	14.2	15.7	17.6
	Outdoor Unit	m³/min	45	45	45	45	50	50
Sound Power	Indoor Unit (Cooling)	dB(A)	56	56	58	58	58	62
	Outdoor Unit (Cooling)	dB(A)	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, 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	1Φ, 220–240 V, 50 Hz
Compressor Type	Outdoor Unit	Type	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
Power Consumption	Cooling	W	430	570	910	1180	1390	1950
	Heating	W	460	760	1070	1260	1610	2200
Operating Current	Cooling	A	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



Indoor Unit Black	AR70F07C1ABNEU	AR70F09C1ABNEU	AR70F12C1ABNEU			
Indoor Unit Avant S2	AR70F07C1AWNEU	AR70F09C1AWNEU	AR70F12C1AWNEU	AR70F15C1AWNEU	AR70F18C1AWNEU	AR70F24C1AWNEU
Outdoor Unit	AR70F07C1AWXEU	AR70F09C1AWXEU	AR70F12C1AWXEU	AR70F15C1AWXEU	AR70F18C1AWXEU	AR70F24C1AWXEU

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
	Charging Ton Equivalent CO ₂	tCO ₂ e	0.64	0.64	0.64	0.64	0.88
	Additional Refrigerant Charging	g/m	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)
	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)
Piping Length	Min/Max (ODU to IDU)	m	3/20	3/20	3/20	3/20	3/30
Piping Height	Max	m	10	10	10	10	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
Functions							
Airflow	WindFree™ Cooling		●	●	●	●	●
	Air Direction Control (Up/Down)		Auto	Auto	Auto	Auto	Auto
	Air Direction Control (Left/Right)		Auto	Auto	Auto	Auto	Auto
	Auto Fan Speed		●	●	●	●	●
Air Purification	Tri-Care Filter		●	●	●	●	●
	Easy Filter Plus		●	●	●	●	●
	Auto Clean (Self-Cleaning)		●	●	●	●	●
Operating Mode	AI Auto Comfort with Wi-Fi & MDS (direct/indirect)		-	-	-	-	-
	AI Auto Comfort with Wi-Fi		●	●	●	●	●
	Auto Mode (without Wi-Fi)		-	-	-	-	-
	Fast Cooling		●	●	●	●	●
	Good Sleep		●	●	●	●	●
	Eco		●	●	●	●	●
	Dehumidification		●	●	●	●	●
	Fan		●	●	●	●	●
	Quiet		●	●	●	●	●
Other Functions	Samsung SmartThings		●	●	●	●	●
	MDS (Motion Detect Sensor)		●	●	●	●	●
	Indoor Temperature Display		●	●	●	●	●
	Display On/Off	88 Display	●	●	●	●	●
	Beep On/Off		●	●	●	●	●
	Auto Changeover		●	●	●	●	●
	Auto Restart		●	●	●	●	●

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.

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.

WindFree™ Elite S2

- Three-step cooling:
Fast Cooling mode, Dehumidification mode and Wind Free™ Cooling mode.
- Tri-Care Filter system with Zeolite Coating.
- AI Auto Comfort.
- Wi-Fi Control with Samsung SmartThings and Bixby voice controls.
- Twin Rotary Compressor with Digital Inverter Boost technology.
- Motion Detect Sensor.
- Triple Protector Plus to protect compressor, fan and controller from power surges.
- Compatible with wired remote controller and with centralized controller.
- SolarCell remote controller included.
- Freezewash.



			Indoor Unit	AR70F09CAAWNEU	AR70F12CAAWNEU
			Outdoor Unit	AR70F09CAAWXEU	AR70F12CAAWXEU
Capacity					
Capacity	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		0.7-7.1	0.7-7.3
	Heating @ -5 °C	kW		4.47	5.04
	Heating @ -10 °C	kW		4.42	4.82
	Heating @ -15 °C	kW		3.79	4.18
Performance					
Energy Efficiency Cooling	SEER ¹	W/W		9.5/ A+++	8.8/ A+++
	Power Consumption	kWh/a		92	139
	Pdesignc	kW		2.5	3.5
	EER	W/W		4.67	4.07
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	1.0	1.5
Maximum Airflow (Cooling)	Indoor Unit	m ³ /min		11.1	12.1
	Outdoor Unit	m ³ /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		Ø, V, Hz		1Ø, 220~240 V, 50 Hz	1Ø, 220~240 V, 50 Hz
Compressor Type	Outdoor Unit	Type		Twin Rotary	Twin Rotary
Power Consumption	Cooling	W		535	860
	Heating	W		675	940
Operating Current	Cooling	A		2.8	4.1
	Heating	A		3.2	4.4
Dimensions					
Net Dimensions (W x H x D)	Indoor Unit	mm		889 x 299 x 215	889 x 299 x 215
	Outdoor Unit	mm		790 x 548 x 285	790 x 548 x 285
Net Weight	Indoor Unit	kg		10.5	10.5
	Outdoor Unit	kg		30.7	30.7
Refrigerant					
Refrigerant	Type			R32 (contains fluorinated greenhouse gases, GWP = 675)	
	Charging (for 7.5 m)	kg		0.97	0.97
	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 (inch)		6.35 (1/4)	6.35 (1/4)
	Gas Pipe	Ø, mm (inch)		9.52 (3/8)	9.52 (3/8)
Piping Length	Min/Max (ODU to IDU)	m		3/20	3/20
Piping Height	Max	m		10	10
Piping Connections	Drain Pipe	Ø, mm		Ø16.3, 550 mm	Ø16.3, 550 mm
Functions					
Airflow	WindFree™ Cooling			•	•
	Air Direction Control (Up/Down)			•	•
	Air Direction Control (Left/Right)			•	•
	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			•	•
Other Functions	Samsung SmartThings			•	•
	MDS (Motion Detect Sensor)			•	•
	Indoor Temperature Display			•	•
	Display On/Off	88 Display		•	•
	Beep On/Off			•	•
	Auto Changeover			•	•
	Auto Restart			•	•

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

Controls and Accessories



Wireless SolarCell Remote Controller (included)	Advanced Wired Controller ²	Simple Type Controller ²	Touch Controller ²
	MWR-WG01JN/MWR-WG01KN	MWR-SHOON	MWR-SH11N

² MIM-A00N Interface is required for the connection to wired remote controllers.

WindFree™ Comfort S2

- Three-step cooling: Fast Cooling mode, Dehumidification mode and WindFree™ Cooling mode.
- AI Auto Comfort.
- Wi-Fi Control with Samsung SmartThings and Bixby voice controls.
- Twin Rotary Compressor with Digital Inverter Boost technology.
- Direct drive fan powered by a BLDC motor.
- Triple Protector Plus to protect compressor, fan and controller from power surges.
- Compatible with wired remote controller and with centralized controller.
- SolarCell remote controller.
- Freezewash.



			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. AR18TXFCWKKXEU and AR24TXFCWKKXEU. It is not compatible with the 2.5kW and 3.5kW RAC ODU. A MIM-R10N Interface is required for the Outdoor Unit (ODU).

Controls and Accessories



Wireless Remote Controller SolarCell (included)	Advanced Wired Controller²	Simple Type Controller³	Touch Controller³
	MWR-WG01JN MWR-WG01KN	MWR-SH00N	MWR-SH11N

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

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Samsung Electronics Air Conditioner Europe B.V.

Evert van de Beekstraat 310, 1118 CX Schiphol
P.O. Box 75810, 1118 ZZ Schiphol
+31 (0)8 81 41 61 00
The Netherlands