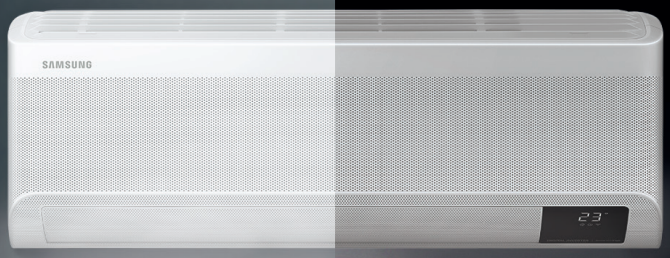
SAMSUNG

Wind-Free™ Avant



Intelligent cooling.
No cold drafts.

samsung.com/wind-free

Introducing the Samsung Wind-Free™ Avant

The Samsung Wind-Free™ range keeps you comfortably cool without any cold drafts. It provides intelligent home climate comfort thanks to smart controls that adapt to your personal preferences, automatically maintaining optimal conditions.

Wind-Free™ Cooling

Wind-Free™ technology enhances your indoor comfort by using thousands of micro-holes to disperse fresh air uniformly without any unpleasant blasts of cold wind. In Wind-Free™ mode, air is spread softly and silently, creating a 'Still Air' environment[1] that provides you total well-being day and night.

Smart Operation

AI Auto Comfort[2] introduces you to an intelligent way of living. It analyses your room conditions and usage patterns[3], and then automatically adjusts the temperature. Temperatures can also be managed remotely using the SmartThings App[4]. Turning it on and off, selecting the cooling mode or scheduling its operation is just one touch away.

Energy Efficiency

Samsung's compressor with Digital Inverter Boost technology helps you to save on energy consumption. Its strong neodymium magnets and muffler increase efficiency, cooling quickly without wasting energy, while keeping vibrations and noise levels to a minimum. When cooling, the compressor optimises power usage which allows to minimise energy consumption.

[1] ASHRAE (American Society of Heating, Refrigerating, and Air-Conditioning Engineers) defines "Still Air" as air currents at speeds below 0.15m/s which lacks the presence of cold drafts.
[2] A Wi-Fi connection and Samsung SmartThings application account are required. [3] Stores user data, preferences and usage patterns to suggest the most useful options.
[4] Available on Android and iOS devices. A Wi-Fi connection and Samsung SmartThings application account are required.

Step 1

The front panel opens, and Fast Cooling mode cools the room quickly from corner to corner.

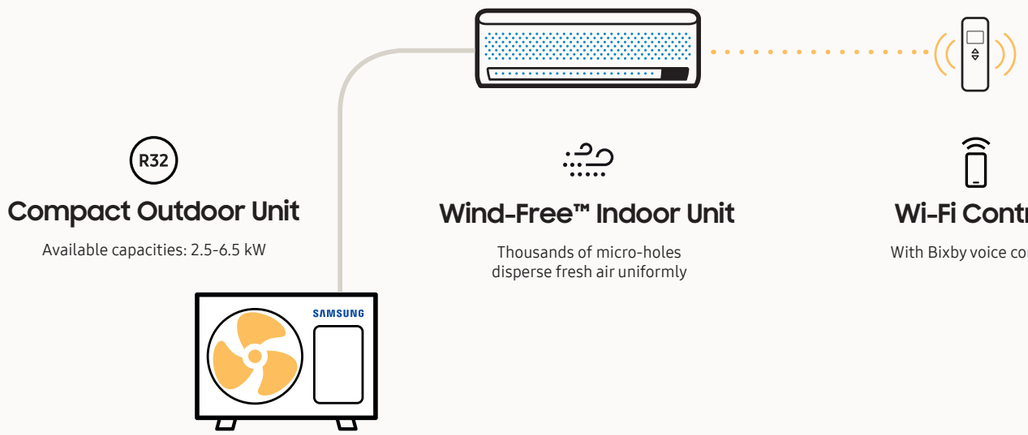
Step 2

The set temperature is reached in Fast Cooling mode, and the front panel closes.

Step 3

Wind-Free™ mode spreads fresh air uniformly through thousands of micro-holes.

Unique Samsung Solution



Compact Outdoor Unit

Available capacities: 2.5-6.5 kW

Wind-Free™ Indoor Unit

Thousands of micro-holes disperse fresh air uniformly

Wi-Fi Control

With Bixby voice control

AI Auto Comfort

AI Auto Comfort[1] introduces you to an intelligent way of living. To make life simpler and more efficient, it analyses room conditions and usage patterns[2]. Based on your preference and the temperatures outside, it automatically adjusts the temperature to optimise the room's climate conditions, guaranteeing total comfort at all times.

[1] AI = Artificial Intelligence. A Wi-Fi connection and Samsung SmartThings application account are required. [2] Stores user data, preferences and usage patterns to suggest the most useful options.

Wi-Fi Control

Temperatures in your home can be managed remotely using the SmartThings App[1]. Turning it on and off, selecting the cooling mode, scheduling its operation or monitoring the power consumption is just one touch away. The Bixby 2.0 Artificial Intelligence (AI) system[2] analyses and predicts your needs so it can suggest the best settings for inside your home.

[1] Available on Android and iOS devices. A Wi-Fi connection and Samsung SmartThings account are required. [2] Voice control is supported in English (US, UK, Indian), Chinese, Korean, French, German, Italian and Spanish. Portuguese is scheduled to be supported by the end of 2019.

SmartThings

Samsung SmartThings adds smartness to your home. Connect, automate and manage all your Samsung and SmartThings-compatible appliances and electronics with a single, easy-to-use App[1]. Getting started is easy with a Samsung Account. Once you have created your SmartThings profile, the App automatically finds compatible devices[2].

[1] Available on Android and iOS devices. A Wi-Fi connection and Samsung SmartThings account are required. [2] Consult relevant user guide/manual to ensure product compatibility with Samsung SmartThings.

Specifications

Wind-Free™ Avant

Wind-Free™ Cooling

Wi-Fi Control

AI Auto Comfort

Tri-Care Filter

R32 refrigerant

Indoor Unit / Outdoor Unit			AR09TXEAAWKNEU / AR09TXEAAWKXEU	AR12TXEAAWKNEU / AR12TXEAAWKXEU	AR18TXEAAWKNEU / AR18TXEAAWKXEU	AR24TXEAAWKNEU / AR24TXEAAWKXEU
Capacity						
Capacity	Cooling (Nominal)	kW	2.5	3.5	5.0	6.5
	Cooling (Min–Max)	kW	1.0–3.4	1.0–4.0	1.6–6.7	1.4–7.6
	Heating @ +7 °C	kW	3.2	4.0	6.0	7.4
	Heating (Min–Max)	kW	0.72–5.00	0.74–5.50	1.30–8.00	1.20–9.70
	Heating @ -5 °C	kW	3.62	3.59	5.07	6.04
	Heating @ -10 °C	kW	3.37	3.33	4.70	5.65
	Heating @ -15 °C	kW	3.12	3.07	4.63	5.60
Performance						
Energy Efficiency Cooling	SEER[1]	W/W	7.9/A++	7.3/A++	6.8/A++	6.4/A++
	Power Consumption	kWh/a	111	168	257	355
	Pdesignc	kW	2.5	3.5	5.0	6.5
	EER	W/W	4.39	3.76	3.60	3.33
Energy Efficiency Heating	SCOP[1]	W/W	4.6/A++	4.6/A++	4.1/A+	4.0/A+
	Power Consumption	kWh/a	670	730	1,298	1,435
	Pdesignh (average)	kW	2.2	2.4	3.8	4.1
	COP[1]	W/W	4.21	3.74	3.53	3.15
Moisture Removal		l/h	1.0	1.5	2.0	2.5
Maximum Airflow (Cooling)	Indoor Unit	m^3/min	9.5	10.5	15.7	17.6
	Outdoor Unit	m^3/min	45.0	45.0	50.0	50.0
Sound Power	Indoor Unit (Cooling)	dB(A)	57	57	58	62
	Outdoor Unit (Cooling)	dB(A)	59	62	65	68
Sound Pressure	Indoor Unit High/Silent Mode	dB(A)	38/16	40/16	41/25	45/26
	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
Compressor Type	Outdoor Unit	Type	BLDC Rotary	BLDC Rotary	BLDC Rotary	BLDC Rotary
Power Consumption	Cooling	W	570	930	1,390	1,950
	Heating	W	760	1,070	1,700	2,350
Operating Current	Cooling	A	3.4	4.5	6.4	8.8
	Heating	A	3.7	5.1	7.8	10.5
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	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	12.2	12.5
	Outdoor Unit	kg	29.9	29.9	39.7	43.7
Refrigerant						
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)			
	Charging (for 5 m)	kg	0.94	0.94	1.30	1.30
	Charging Ton Equivalent CO_2	tCO_2e	0.63	0.63	0.88	0.88
	Additional Refrigerant Charging	g/m	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)
	Gas Pipe	ø, mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.20 (3/8)
Piping Length	Min/Max (ODU to IDU)	m	3/15	3/15	3/30	3/30
Piping Height	Max	m	8	8	15	15
Piping Connections	Drain Pipe	ø, mm	ø16.3, 550 mm	ø16.3, 550 mm	ø16.3, 550 mm	ø16.3, 550 mm

Accessory

Wireless Remote Controller (included)

[1] Energy labels as shown are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.

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
Netherlands