SAMSUNG

Wind-Free™ Elite

Intelligent cooling.
No cold drafts.

samsung.com/wind-free

Introducing the Samsung Wind-Free™ Elite

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 by cooling quickly without wasting energy, while keeping vibrations and noise levels to a minimum. The Motion Detect Sensor (MDS) cools your home efficiently by self-regulating the air conditioner's activity when nobody is present.

[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.
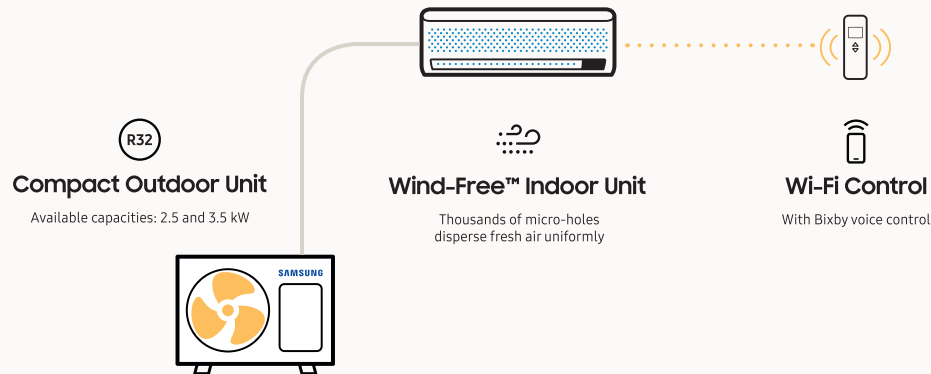
Step 2
The set temperature is reached in Fast Cooling mode, and the front panel closes.

Step 3
Wind-Free™ mode spreads fresh air uniformly through thousands of micro-holes.

Unique Samsung Solution

R32
Compact Outdoor Unit
Available capacities: 2.5 and 3.5 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.
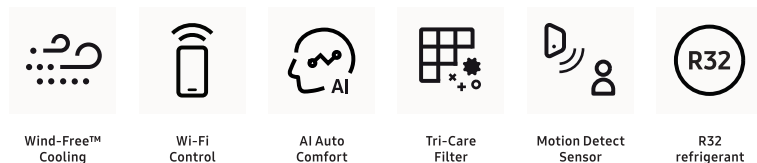
Motion Detect Sensor

The Motion Detect Sensor (MDS) cools the home efficiently by self-regulating the air conditioner's activity when nobody is present. If no movement is detected after 20 minutes[1] it will automatically switch to the energy-saving Wind-Free™ mode but will return to normal once activity resumes. It also enables customised airflow direction by allowing the desired comfort level to be selected.

[1] The Motion Detect Sensor (MDS) will start detecting the absence of movement after a minimum of 5 minutes and up to a maximum of 60 minutes.

Specifications

Wind-Free™ Elite

Wind-Free™ Cooling | Wi-Fi Control | AI Auto Comfort | Tri-Care Filter | Motion Detect Sensor | R32 refrigerant

Indoor Unit			AR09TXCAAWKNEU	AR12TXCAAWKNEU
Outdoor Unit			AR09TXCAAWKXEU	AR12TXCAAWKXEU
Capacity				
Capacity	Cooling (Nominal)	kW	2.5	3.5
	Cooling (Min–Max)	kW	0.9–3.6	0.9–4.8
	Heating @ +7 °C	kW	3.2	4.0
	Heating (Min–Max)	kW	0.8–7.1	0.8–7.3
	Heating @ -5 °C	kW	4.15	4.83
	Heating @ -10 °C	kW	3.98	4.62
	Heating @ -15 °C	kW	3.92	4.52
Performance				
Energy Efficiency Cooling	SEER[1]	W/W	8.8/ A+++	8.5/ A+++
	Power Consumption	kWh/a	99	144
	Pdesignc	kW	2.5	3.5
	EER	W/W	4.63	3.95
Energy Efficiency Heating	SCOP[1]	W/W	5.1/ A+++	5.1/ A+++
	Power Consumption	kWh/a	631	659
	Pdesignh (average)	kW	2.3	2.4
	COP[1]	W/W	4.74	4.26
Moisture Removal		l/h	1.0	1.5
Maximum Airflow (Cooling)	Indoor Unit	m³/min	11.1	12.1
	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)	39/16	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, Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz
Compressor Type	Outdoor Unit	Type	BLDC Rotary	BLDC Rotary
Power Consumption	Cooling	W	540	885
	Heating	W	675	940
Operating Current	Cooling	A	2.9	4.1
	Heating	A	3.4	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	10.6	10.6
	Outdoor Unit	kg	32.5	32.5
Refrigerant				
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)	
	Charging (for 5 m)	kg	0.97	0.97
	Charging Ton Equivalent CO_2	tCO_2e	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	3/15	3/15
Piping Height	Max	m	8	8
Piping Connections	Drain Pipe	ø, mm	ø16.3, 550 mm	ø16.3, 550 mm

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

Accessory

Wireless Remote Controller (included)