

**SAMSUNG**

**Wind-Free™ Elite**



**Intelligent cooling.  
No cold drafts.**

[samsung.com/wind-free](https://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<sup>1</sup> that provides you total well-being day and night.



## Smart Operation

AI Auto Comfort<sup>2</sup> introduces you to an intelligent way of living. It analyses your room conditions and usage patterns<sup>3</sup>, and then automatically adjusts the temperature. Temperatures can also be managed remotely using the SmartThings App<sup>4</sup>. 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.

<sup>1</sup>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.

<sup>2</sup>A Wi-Fi connection and Samsung SmartThings application account are required. <sup>3</sup>Stores user data, preferences and usage patterns to suggest the most useful options.

<sup>4</sup>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

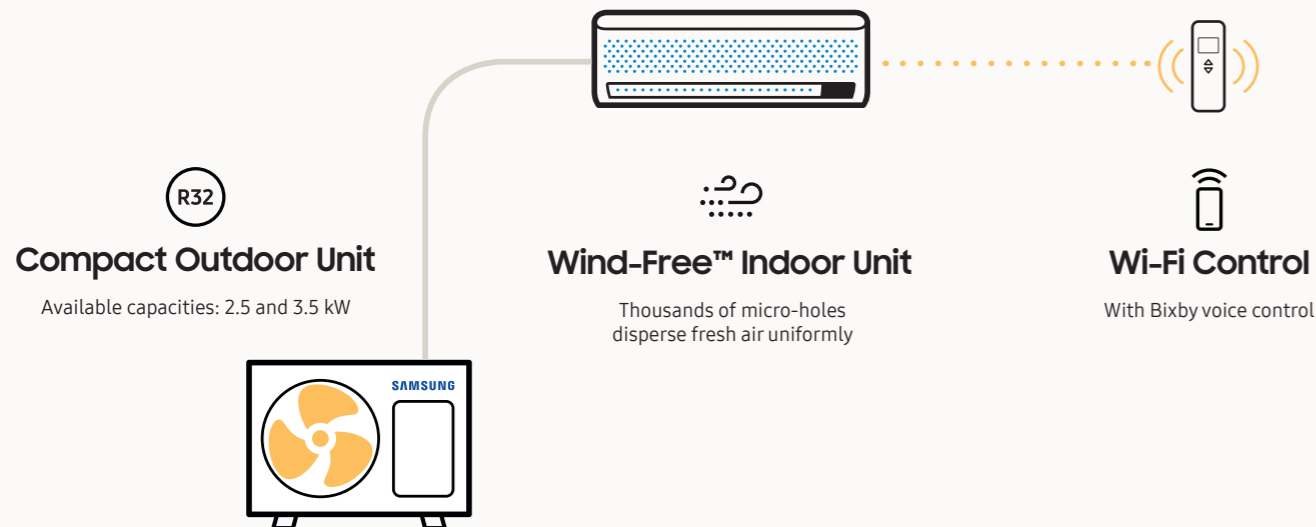
The set temperature is reached in Fast Cooling mode, and the front panel closes.



### Step 3

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

## Unique Samsung Solution



## Wi-Fi Control

Temperatures in your home can be managed remotely using the SmartThings App<sup>1</sup>. 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<sup>2</sup> analyses and predicts your needs so it can suggest the best settings for inside your home.

<sup>1</sup>Available on Android and iOS devices. A Wi-Fi connection and Samsung SmartThings account are required. <sup>2</sup>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.



## AI Auto Comfort

AI Auto Comfort<sup>1</sup> introduces you to an intelligent way of living. To make life simpler and more efficient, it analyses room conditions and usage patterns<sup>2</sup>. 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.

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



## Motion Detect Sensor

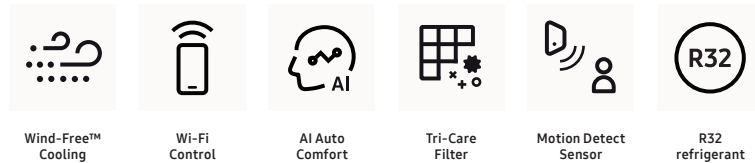
The Motion Detect Sensor (MDS) cools the home efficiently by self-regulating the air conditioner's activity when nobody is present. If no movement is detected after 20 minutes<sup>1</sup> it will automatically switch to the energy-saving Wind-Free™ mode but will return to normal once activity resumes.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

<sup>1</sup>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



Indoor Unit			AR09TXCAAWKNEU	AR12TXCAAWKNEU
Outdoor Unit			AR09TXCAAWKXEU	AR12TXCAAWKXEU
<b>Capacity</b>				
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
<b>Performance</b>				
Energy Efficiency Cooling	SEER <sup>1</sup>	W/W	8.8/ <b>A+++</b>	8.5/ <b>A+++</b>
	Power Consumption	kWh/a	99	144
	Pdesignc	kW	2.5	3.5
	EER	W/W	4.63	3.95
Energy Efficiency Heating	SCOP <sup>1</sup>	W/W	5.1/ <b>A+++</b>	5.1/ <b>A+++</b>
	Power Consumption	kWh/a	631	659
	Pdesignh (average)	kW	2.3	2.4
	COP <sup>1</sup>	W/W	4.74	4.26
Moisture Removal		l/h	1.0	1.5
Maximum Airflow (Cooling)	Indoor Unit	m <sup>3</sup> /min	11.1	12.1
	Outdoor Unit	m <sup>3</sup> /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
<b>Electrical Data</b>				
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
<b>Dimensions</b>				
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
<b>Refrigerant</b>				
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)	
	Charging (for 5 m)	kg	0.97	0.97
	Charging Ton Equivalent CO <sub>2</sub>	tCO <sub>2</sub> 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	3/15	3/15
Piping Height	Max	m	8	8
Piping Connections	Drain Pipe	ø, mm	ø16.3, 550 mm	ø16.3, 550 mm



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