SAMSUNG

Samsung WindFree™ Elite (R32)

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

WindFree™ Cooling

WindFree™ technology enhances your indoor comfort by using thousands of micro-holes to disperse fresh air uniformly without any unpleasant blasts of cold wind. In WindFree™ 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.

WiFi Control

Temperatures in your building can be managed remotely using the SmartThings App[5]. 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[6] analyses and predicts your needs so it can suggest the best settings for inside your home.

[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.
[5] Available on Android and iOS devices. A Wi-Fi connection and Samsung SmartThings account are required.
[6] Voice control is supported in English.

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

Specifications

Model No.	Indoor Unit		AR09TXCAAWKNEU	AR12TXCAAWKNEU
	Outdoor Unit (1-phase)		AR09TXCAAWKXEU	AR12TXCAAWKXEU
Capacity	Cooling	kW	2.50(0.90-3.60)	3.50(0.90-4.80)
	Heating		3.2 (0.8-7.10)	4.00(0.80-7.30)
UK Capacity	Sensible cooling	kW	2.31	2.69
Efficiency	EER	W/W	4.63	3.95
	COP[1]		4.74	4.26
	SEER[1]	W/W	8.8/ A+++	8.5/ A+++
	SCOP[1]		5.1/ A+++	5.1/ A+++
Annual Energy Consumption	Cooling	kWh/a	99	144
	Heating		631	659
Sound Pressure	Indoor (H/Silent)	dB(A)	38/16	40/16
	Outdoor (Cooling/Heating)		45	46
Sound Power	Indoor Unit	dB(A)	56	58
	Outdoor Unit		59	62
Airflow Rate	Indoor Cooling (T/H/M/L)	l/s	185/168/143/118	202/177/152/118
	Heating (T/H/M/L)	l/s	218/202/177/152	218/193/168/135
	Outdoor	l/s	750	750
Dimensions (W x H x D)	Indoor	mm	889 x 299 x 215	889 x 299 x 215
	Outdoor		790 x 548 x 285	790 x 548 x 285
Net Weight	Indoor Unit	kg	10.6	10.6
	Outdoor Unit		32.5	32.5
Refrigerant	Pipe Size Gas	ø, inch	3/8	3/8
	Liquid		1/4	1/4
	Std/Max Pipe Length (Height)	m	3/15/(8)	3/15/(8)
	Pre Charge to		5	5
	Factory Charging	kg	0.97	0.97
	Additional Charge	g/m	15	15
	CO_2 Equivalent (R32 - GWP 675)	tCO_2e	0.65	0.65
Electrical	Power Supply	V, Hz	220~240 V, 50 Hz	220~240 V, 50 Hz
	Power Input Cooling	kW	0.18 0.54/0.93	0.18/0.885/1.45
	Heating		0.15/0.675/2.16	0.15/0.94/2.28
	Current Input Cooling	A	1.2/2.9/4.5	1.2/4.1/6.4
	Heating		1.0/3.4/9.5	1.0/4.4/10.0
	Interconnecting Communication Cable	mm²	Screened 0.75-1.5mm², 2 Core, F1 F2 Connection	

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

Accessories			
Wireless Remote Controller	Premium Wired Controller	Sub PCB to Connect Wired Remote Controller	Touch Controller
(included)	MWR-WG00JN	MIM-A00N	MWR-SH11N