Samsung WindFree™ Comfort (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.
- AI Auto Comfort.
- 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 / Outdoor Unit (1-phase)		AR09TXFCAWKNEU / AR09TXFCAWKXEU	AR12TXFCAWKNEU / AR12TXFCAWKXEU	AR18TXFCAWKNEU / AR18TXFCAWKXEU	AR24TXFCAWKNEU / AR24TXFCAWKXEU
Capacity	Cooling	kW	2.50(0.9-3.35)	3.50(0.9-4.00)	5.0(1.60-6.70)	6.50(1.40-7.60)
	Heating		3.20(0.9-4.50)	3.50(0.9-5.00)	6.0(1.30-8.00)	7.40(1.20-9.40)
UK Capacity	Sensible cooling	kW	2.31	2.69	3.88	5.50
Efficiency	EER	W/W	3.57	2.87	3.60	3.33
	COP[1]		3.81	3.72	3.51	3.15
	SEER[1]	W/W	6.7/ A++	6.5/ A++	6.8/ A++	6.4/ A++
	SCOP[1]		4.0/ A+	4.0/ A+	3.8/ A	3.8/ A
Annual Energy Consumption	Cooling	kWh/a	131	188	257	355
	Heating		735	770	1,400	1,511
Sound Pressure	Indoor (H/Silent)	dB(A)	37/19	38/19	41/25	45/26
	Outdoor (Cooling only)		46	47	51	54
Sound Power	Indoor Unit	dB(A)	54	56	58	62
	Outdoor Unit		63	64	65	68
Airflow Rate	Indoor Cooling (T/H/M/L)	l/s	172/163/155/140	178/172/155/140	276.7/255/233.3/210	288.3/265/243.3/210
	Heating (T/H/M/L)	l/s	187/178/172/155	195/187/172/155	276.7/255/233.3/210	298.3/276.7/255/221.7
	Outdoor	l/s	467	467	833	833
Dimensions (W x H x D)	Indoor	mm	820 x 299 x 215	820 x 299 x 215	1,055 x 299 x 215	1,055 x 299 x 215
	Outdoor		660 x 475 x 242	660 x 475 x 242	880 x 638 x 310	880 x 638 x 310
Net Weight	Indoor Unit	kg	8.9	8.9	11.5	11.6
	Outdoor Unit		23.0	23.0	39.7	43.2
Refrigerant	Pipe Size Gas	ø, inch	3/8	3/8	1/2	5/8
	Liquid		1/4	1/4	1/4	1/4
	Std/Max Pipe Length (Height)	m	3/15(8)	3/15(8)	3/30(15)	3/30(15)
	Pre Charge to		5	5	5	5
	Factory Charging	kg	0.7	0.7	1.3	1.15
	Additional Charge	g/m	15	15	15	15
	CO_2 Equivalent (R32 - GWP 675)	tCO_2e	0.47	0.47	0.88	0.78
Electrical	Power Supply	V, Hz	220~240 V, 50 Hz	220~240 V, 50 Hz	220~240 V, 50 Hz	220~240 V, 50 Hz
	Power Input Cooling	kW	0.205/0.70/1.03	0.205/1.22/1.4	0.32 / 1.39 / 2.18	0.3/1.95/2.6
	Heating		0.20/0.84/1.27	0.20/0.94/1.45	0.27 / 1.71 / 2.5	0.27/2.35/3.3
	Current Input Cooling	A	1.3/3.6/4.7	1.3/5.6/6.3	2.0 / 6.4 / 10.0	2.0/8.8/11.5
	Heating		1.4/4.0/5.6	1.4/4.5/6.4	1.7 / 7.8 / 11.5	1.7/10.5/14.5
	Interconnecting Communiction 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