

SAMSUNG



Samsung WindFree™ Avant

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' environment¹ that provides you total well-being day and night.

Smart Operation

AI Auto Comfort² introduces you to an intelligent way of living. It analyses your room conditions and usage patterns³, and then automatically adjusts the temperature. Temperatures can also be managed remotely using the SmartThings App⁴. 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 App⁵. 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) system⁶ analyses and predicts your needs so it can suggest the best settings for inside your home.

¹ASHRAE (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.

²A Wi-Fi connection and Samsung SmartThings application account are required.

³Stores user data, preferences and usage patterns to suggest the most useful options.

⁴Available on Android and iOS devices. A Wi-Fi connection and Samsung SmartThings application account are required.

⁵Available on Android and iOS devices. A Wi-Fi connection and Samsung SmartThings account are required.

⁶Voice 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.
- Wi-Fi Control with Samsung SmartThings and Bixby voice controls.
- Compressor with Digital Inverter Boost technology.
- Triple Protector Plus to protect compressor, fin and controller from power surges.
- Auto Clean Functionality.



Specifications

Model No.	Indoor Unit		AR09TXEAAWKNEU	AR12TXEAAWKNEU	AR18TXEAAWKNEU	AR24TXEAAWKNEU	
	Outdoor Unit (1-phase)		AR09TXEAAWKXEU	AR12TXEAAWKXEU	AR18TXEAAWKXEU	AR24TXEAAWKXEU	
Capacity	Cooling	kW	2.50(0.96-3.35)	3.50(0.99-4.00)	5.0(1.60-6.70)	6.50(1.40-7.60)	
	Heating		3.2 (0.72-5.0)	4.0(0.74-5.50)	6.0(1.30-8.00)	7.40(1.20-9.70)	
UK Capacity	Sensible cooling	kW	2.39	2.92	4.33	5.40	
Efficiency	EER		4.39	3.76	3.60	3.33	
	COP ¹	W/W	4.21	3.74	3.53	3.15	
	SEER ¹	W/W	7.9/ A++	7.3/ A++	6.8/ A++	6.4/ A++	
	SCOP ¹		4.6/ A++	4.6/ A++	4.1/ A+	4.0/ A+	
Annual Energy Consumption	Cooling	kWh/a	111	168	257	355	
	Heating		670	730	1,298	1,435	
Sound Pressure	Indoor (H/Silent)		38/16	40/16	41/25	45/27	
	Outdoor (Cooling only)	dB(A)	45	46	51	54	
Sound Power	Indoor Unit	dB(A)	54	57	58	62	
	Outdoor Unit		59	62	65	68	
Airflow Rate	Indoor	Cooling (T/H/M/L)	158/150/142/123	175/167/150/132	262/242/220/188	293/262/232/188	
		Heating (T/H/M/L)	185/175/167/150	202/193/175/158	262/242/220/188	305/273/242/200	
	Outdoor		750	750	833	833	
Dimensions (W x H x D)	Indoor	mm	889 x 299 x 215	889 x 299 x 215	1,055 x 299 x 215	1,055 x 299 x 215	
	Outdoor		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		32.1	32.1	42.7	43.7	
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	0.94	0.94	1.3	1.3	
	Additional Charge	g/m	15	15	15	15	
Electrical	CO ₂ Equivalent (R32 - GWP 675)	tCO _{2e}	0.63	0.63	0.88	0.88	
	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	0.16/0.57/0.75	0.17/0.93/1.05	0.32/1.39/2.18	0.3/1.95/2.6
		Heating		0.14/0.76/1.40	0.14/1.07/1.56	0.27/1.7/2.5	0.27/2.35/3.2
	Current Input	Cooling	A	1.2/3.4/3.8	1.3/4.5/5.0	2.0/6.4/10.0	2.0/8.8/11.5
		Heating		1.0/3.7/6.1	1.0/5.1/6.8	1.7/7.8/11.5	1.7/10.5/14.0
Interconnecting Communication Cable	mm ²	Screened 0.75-1.5mm ² ; 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		
Premium Wired Controller	Sub PCB to Connect Wired Remote Controller	Central Control Network
MWR-WG00JN	MIM-A00N	MWR-R10N