

SAMSUNG



Samsung WindFree™ High Wall Deluxe

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.
- WindFree™ Cooling Mode.
- Wi-Fi Control with SmartThings and Bixby voice controls (optional).
- Equipped with Easy Filter Plus.



Specifications

Model No.	Indoor Unit		AC026TNXDKG/EU AC026RXADKG/EU	AC035TNXDKG/EU AC035RXADKG/EU	AC052TNXDKG/EU AC052RXADKG/EU	AC071TNXDKG/EU AC071RXADKG/EU
	Outdoor Unit (1-phase)					
Capacity	Cooling	kW	2.60(1.0-4.00)	3.50(1.0-4.50)	5.0(1.50-6.80)	7.1(2.0-8.7)
	Heating	kW	3.3(0.8-4.0)	4.0(0.8-4.8)	6.0(1.0-6.5)	8.0(1.6-9.0)
UK Capacity	Sensible cooling	kW	2.27	2.63	3.97	5.10
Efficiency	EER		4.06	3.50	3.57	3.09
	COP ¹	W/W	3.75	3.31	3.43	3.40
	SEER ¹	W/W	7.0/	6.9/	6.9/	6.8/
	SCOP ¹	W/W	4.1/	4.1/	3.9/	4.0/
Annual Energy Consumption	Cooling	kWh/a	130	178	254	365
	Heating	kWh/a	717	717	862	1260
Sound Pressure	Indoor (H/Silent)		36/21	40/23	42/25	44/30
	Outdoor (Cooling only)	dB(A)	46	48	48	49
Sound Power	Indoor Unit	dB(A)	56	59	60	61
	Outdoor Unit	dB(A)	59	61	62	65
Airflow Rate	Indoor Cooling (H/M/L)	l/s	172/140/117	203/163/132	278/232/197	297/253/220
	Heating (H/M/L)	l/s	187/155/132	203/163/132	278/232/197	318/275/242
	Outdoor	l/s	500	500	667	850
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	mm	790 x 548 x 285	790 x 548 x 285	880 x 638 x 310	880 x 798 x 310
Net Weight	Indoor Unit	kg	9.1	9.1	11.7	12.7
	Outdoor Unit	kg	32.5	32.5	43.0	51.0
Refrigerant	Pipe Size Gas	ø, inch	3/8	3/8	1/2	5/8
	Liquid	ø, inch	1/4	1/4	1/4	1/4
	Std/Max Pipe Length (Height)	m	5/20(15)	5/20(15)	5/30(20)	5/50(30)
	Pre Charge to	psi	5	5	5	5
	Factory Charging	kg	0.9	0.9	1.2	1.7
	Additional Charge	g/m	20	20	10	15
	CO ₂ Equivalent (R32 - GWP 675)	tCO ₂ e	0.61	0.61	0.81	1.15
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	0.18/0.64/1.20	0.19/1.00/1.40	0.24/1.40/2.20	0.39/2.30/3.40
	Heating	kW	0.15/0.88/1.35	0.15/1.21/1.40	0.20/1.75/2.05	0.33/2.35/3.30
	Current Input Cooling	A	1.4/3.1/5.5	1.4/4.6/6.0	1.5/6.3/9.6	2.5/10.0/14.7
	Heating	A	1.2/4.2/6.0	1.2/5.6/6.2	1.3/7.8/8.8	2.0/10.3/14.5
	Interconnecting Communication Cable	mm ²	Screened 0.75-1.5mm ² , 2 Core, F1 F2 Connection			

¹Energy 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	Touch Controller	Wired Remote Controller	Wi-Fi Kit
AR-EH03E	MWR-SH11N	MWR-WG00JN	MIM-H04EN