Samsung WindFree™ Mini 4-Way Cassette 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.

Wind-Free™ 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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- 2-Step Cooling: Fast Cooling & WindFree™ Cooling.
- Four-way air supply via independently adjustable blades.
- Blade angle between 32° and 75°; blade width 66 mm.
- Built-in humidity sensor.
- Built-in condensation drain pump (750 mmH2O).

Specifications

Model No.	Indoor Unit Outdoor Unit (1-phase)		AC026RNNDKG/EU AC026RXADKG/EU	AC035RNNDKG/EU AC035RXADKG/EU	AC052RNNDKG/EU AC052RXADKG/EU	AC071RNNDKG/EU AC071RXADKG/EU
Capacity	Cooling	kW	2.60(0.87-4.10)	3.50(0.88-4.50)	5.00(1.30-6.20)	6.80(1.50-8.30)
	Heating		3.40(0.98-4.10)	4.00(1.00-4.80)	5.50(1.30-7.50)	7.50(1.90-9.00)
UK Capacity	Sensible cooling	kW	2.04	2.49	3.49	4.29
Efficiency	EER	W/W	3.88	3.40	3.27	2.47
	COP[1]		3.69	3.33	3.62	2.68
	SEER[1]	W/W	7.1/ A++	7.0/ A++	6.7/ A++	6.1/ A++
	SCOP[1]		4.3/ A+	4.3/ A+	4.2/ A+	3.8/ A
Annual Energy Consumption	Cooling	kWh/a	128	175	261	390
	Heating		684	684	800	1,474
Sound Pressure	Indoor (H/M/L)	dB(A)	31/28/25	34/30/25	39/34/29	42/39/36
	Outdoor (Cooling/Heating)		46/47	48/48	48/48	49/51
Sound Power	Indoor Unit	dB(A)	48	50	56	58
	Outdoor Unit		59	61	62	65
Airflow Rate	Indoor Cooling (H/M/L)	l/s	133.3/116.6/100	153.3/133.3/106.6	175/158.3/141.6	191.6/175/158.3
	Indoor Heating (H/M/L)	l/s	166.6/150/133.3	173.3/150/130	175/158.3/141.6	191.6/175/158.3
	Outdoor	l/s	500	500	667	850
Dimensions (W x H x D)	Indoor	mm	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575
	Outdoor		790 x 548 x 285	790 x 548 x 285	880 x 638 x 310	880 x 798 x 310
Cassette Panel	Model		PC4SUFMAN			
	Dimensions (W x H x D)	mm	620 x 46 x 620			
	Weight	kg	2.7			
Net Weight	Indoor Unit	kg	11.5	11.5	12.0	12.0
	Outdoor Unit		32.5	32.5	43.5	51.0
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	5/20(15)	5/20(15)	5/30(20)	5/50(35)
	Pre Charge to		20	20	10	15
	Factory Charging	kg	0.9	0.9	1.2	1.7
	Additional Charge	g/m	-	-	15	25
	CO_2 Equivalent (R32 - GWP 675)	tCO_2e	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	0.16/0.67/1.20	0.18/1.03/1.40	0.31/1.53/2.10	0.35/2.75/3.60
	Heating		0.20/0.92/1.45	0.19/1.20/1.80	0.35/1.52/2.40	0.35/2.80/3.95
	Current Input Cooling	A	1.3/3.5/5.5	1.4/5.0/6.0	2.6/7.0/9.5	2.0/12.0/16.0
	Heating		1.3/4.6/7.0	1.3/5.7/10.5	2.9/7.0/11.0	2.0/12.0/17.0
	MCA	A	11.0	11.0	17.5	17.5
	MFA		12.5	12.5	20.6	20.6
	Interconnecting Communiction 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							
Wireless Remote Controller	Simple Type Controller	Touch Controller	Premium Wired Controller	Panel (Mandatory)	External Thermostat	Wi-Fi Kit	SPi Ioniser
AR-EH03E	MWR-SH00N	MWR-SH11N	MWR-WG00JN	PC4SUFMAN	MRW-TA	MIM-H04EN	MSD-CAN1

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