



Samsung WindFree™ 1-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.

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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- 2-Step Cooling: Fast Cooling & WindFree™ Cooling.
- Blade angle between 37° and 87°, blade width 100 mm.
- Built-in humidity sensor.
- Height of only 135 mm.
- Built-in condensation drain pump (750 mmH2O).



Specifications

Model No.	Indoor Unit Outdoor Unit (1-phase)		AC026RN1DKG/EU AC026RXADKG/EU	AC035RN1DKG/EU AC035RXADKG/EU	
Capacity	Cooling	kW	2.60(0.82-3.80)	3.50(0.85-4.20)	
	Heating		3.30(0.98-4.40)	4.00(1.00-5.00)	
UK Capacity	Sensible cooling	kW	1.84	2.44	
Efficiency	EER	W/W	3.61	3.21	
	COP ¹		3.26	3.12	
	SEER ¹	W/W	6.4/ A++	6.2/ A++	
	SCOP ¹		4.0/ A+	4.0/ A+	
Annual Energy Consumption	Cooling	kWh/a	142	198	
	Heating		700	700	
Sound Pressure	Indoor (H/M/L)		32/29/26/25	35/32/29/28	
	Outdoor (Cooling/Heating)	dB(A)	46/47	48/48	
Sound Power	Indoor Unit	dB(A)	52	55	
	Outdoor Unit		59	61	
Airflow Rate	Indoor	Cooling (H/M/L)	L/s	121.6/108.3/96.6	150/136.6/120
		Heating (H/M/L)	L/s	141.6/120/108.3	166.6/140/121.6
	Outdoor		L/s	500	500
Dimensions (W x H x D)	Indoor	mm	970 x 135 x 410	970 x 135 x 410	
	Outdoor		790 x 548 x 285	790 x 548 x 285	
Cassette Panel	Model		PC1NWFMAN		
	Dimensions (W x H x D)	mm	1,198 x 35 x 500		
	Weight	kg	4.3		
Net Weight	Indoor Unit	kg	9.2	9.2	
	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	5/20/(15)	5/20/(15)	
	Pre Charge to		20	20	
	Factory Charging	kg	0.9	0.9	
	Additional Charge	g/m	-	-	
Electrical	CO ₂ Equivalent (R32 - GWP 675)	tCO ₂ e	0.61	0.61	
	Power Supply	V, Hz	220-240 V, 50 Hz	220-240 V, 50 Hz	
	Power Input	Cooling	kW	0.17/0.72/1.16	0.18/1.09/1.40
		Heating		0.20/1.01/1.45	0.19/1.28/1.80
	Current Input	Cooling	A	1.2/3.8/5.4	1.6/5.3/7.5
		Heating		1.4/5.0/7.0	1.3/6.2/10.5
	MCA	A	11.0	11.0	
	MFA		12.5	12.5	
	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

Wireless Remote Controller	Touch Controller	Premium LCD Controller	Wi-Fi Kit	Panel (Mandatory)	Remote Temperature Sensor	External Contact Interface Module
AR-EH03E	MWR-SH11N	MWR-WG00JN	MIM-H04EN	PC1NWFMAN	MRW-TA	MIM-B14

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Samsung Electronics Air Conditioner Europe B.V.
 Evert van de Beekstraat 310, 1118 CX Schiphol
 P.O. Box 75810, 1118 ZZ Schiphol
 The Netherlands
 +31 (0)8 81 41 61 00