Samsung WindFree™ 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 references, 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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- 2-Step Cooling: Fast Cooling & WindFree™ Cooling.
- Four-way air supply via independently adjustable blades.
- Blade angle between 34° and 68°; blade width 84 mm.
- Built-in humidity sensor.
- High ceiling mode for heights up to 4.6 m (12.0~14.0 kW), 3.9 m (9.0~10.0 kW), 3.5 m (5.2~7.1 kW).
- Built-in condensation drain pump (750 mmH2O).

Specifications

*3-phase unit available.

Model No.	Indoor Unit Outdoor Unit (1-phase)		AC052RN4DKG/EU AC052RXADKG/EU	AC071RN4DKG/EU AC071RXADKG/EU	AC100RN4DKG/EU AC100RXADKG/EU*	AC120RN4DKG/EU AC120RXADKG/EU*	AC140RN4DKG/EU AC140RXADKG/EU*
Capacity	Cooling	kW	5.00(1.00-6.50)	7.10(1.50-8.70)	10.0(3.0-12.0)	12.0(3.5-13.5)	13.4(3.5-15.5)
	Heating		6.00(1.00-7.00)	8.00(1.90-9.00)	11.2(2.2-15.5)	13.2(3.5-15.5)	15.5(3.5-18.0)
UK Capacity	Sensible cooling	kW	3.89	4.89	7.47	8.41	9.01
Efficiency	EER	W/W	3.50	2.98	2.92	2.60	2.90
	COP[1]		4.03	3.27	3.61	3.18	3.16
	SEER[1]	W/W	7.6/ A++	6.7/ A++	7.0/ A++	6.0/ A+	6.6/ A++
	SCOP[1]		4.3/ A+	4.2/ A+	4.3/ A++	4.0/ A+	4.3/ A++
Annual Energy Consumption	Cooling	kWh/a	230	371	500	-	-
	Heating		847	1,500	1,726	-	-
Sound Pressure	Indoor (H/M/L)	dB(A)	33/31/29	36/33/29	44/39/33	45/40/35	45/41/37
	Outdoor (Cooling/Heating)		48/48	49/51	52/54	54/56	53/54
Sound Power	Indoor Unit	dB(A)	49	53	61	61	61
	Outdoor Unit		62	65	69	70	69
Airflow Rate	Indoor Cooling (H/M/L)	l/s	250/233.3/216.6	325 275/241.6	517/417/317	533/433/333	533/450/367
	Indoor Heating (H/M/L)	l/s	250/233.3/216.6	325 275/241.6	517/417/317	533/433/333	533/450/367
	Outdoor	l/s	667	850	1,200	1,200	1,833
Dimensions (W x H x D)	Indoor	mm	840 x 204 x 840	840 x 204 x 840	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840
	Outdoor		880 x 638 x 310	880 x 798 x 310	940 x 998 x 330	940 x 998 x 330	940 x 1,210 x 330
Cassette Panel	Model		PC4NUFMAN				
	Dimensions (W x H x D)	mm	950 x 48 x 950				
	Weight	kg	6.3				
Net Weight	Indoor Unit	kg	14.5	14.5	18.0	18.0	20.0
	Outdoor Unit		43.0	51.0	75.0	81.0	91.5
Refrigerant	Pipe Size Gas	ø, inch	1/2	5/8	5/8	5/8	5/8
	Liquid		1/4	1/4	3/8	3/8	3/8
	Std/Max Pipe Length (Height)	m	5/30(20)	5/30(20)	5/50(30)	5/30(20)	5/75(30)
	Pre Charge to		10	15	30	30	30
	Factory Charging	kg	1.2	1.7	2.7	2.7	2.9
	Additional Charge	g/m	15	25	50	50	50
	CO_2 Equivalent (R32 - GWP 675)	tCO_2e	0.81	1.15	1.82	1.82	1.96
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	220~240 V, 50 Hz
	Power Input Cooling	kW	0.33/1.43/2.30	0.35/2.38/3.60	0.60/3.42/4.70	0.90/4.60/5.30	0.80/4.62/6.45
	Heating		0.25/1.49/2.50	0.35/2.45/3.95	0.46/3.10/5.40	0.75/4.15/5.60	0.70/4.90/7.36
	Current Input Cooling	A	1.5/6.5/9.5	2.0/10.3/16.0	3.0/15.2/ 20.4	4.3/20.1/24.0	3.7/20.0/ 28.0
	Heating		1.5/6.8/12.0	2.0/10.7/17.0	2.5/13.6/23.0	3.7/18.2/26.0	3.5/21.3/32.0
	MCA	A	17.5	17.5	25.0	25.0	33.0
	MFA		20.6	20.6	30.0	30.0	40.00
	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 Wired Controller	Panel (Mandatory)	Motion Detect Sensor (950 x 950 panel)	Wi-Fi Kit	SPi Ioniser
AR-EH03E	MWR-SH11N	MWR-WG00JN	PC4NUFMAN	MCR-SMC	MIM-H04EN	MSD-CAN1

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