

# SAMSUNG



## 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<sup>1</sup> that provides you total well-being day and night.

### Smart Operation

AI Auto Comfort<sup>2</sup> introduces you to an intelligent way of living. It analyses your room conditions and usage patterns<sup>3</sup>, and then automatically adjusts the temperature. Temperatures can also be managed remotely using the SmartThings App<sup>4</sup>. 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<sup>5</sup>. 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<sup>6</sup> analyses and predicts your needs so it can suggest the best settings for inside your home.

<sup>1</sup>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.

<sup>2</sup>A Wi-Fi connection and Samsung SmartThings application account are required.

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

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

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

<sup>6</sup>Voice control is supported in English.

# Samsung WindFree™ 4-Way Cassette R32

- 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		AC052RN4DKG/EU	AC071RN4DKG/EU	AC100RN4DKG/EU	AC120RN4DKG/EU	AC140RN4DKG/EU	
	Outdoor Unit (1-phase)		AC052RXADKG/EU	AC071RXADKG/EU	AC100RXADKG/EU*	AC120RXADKG/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 <sup>1</sup>		4.03	3.27	3.61	3.18	3.16	
	SEER <sup>1</sup>	W/W	7.6/ A++	6.7/ A++	7.0/ A++	6.0/ A+	6.6/ A++	
	SCOP <sup>1</sup>		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
		Heating (H/M/L)		250/233.3/216.6	325 275/241.6	517/417/317	533/433/333	533/450/367
	Outdoor	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	mm	PC4NUFMAN					
	Dimensions (W x H x D)		950 x 48 x 950					
	Weight		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 <sub>2</sub> Equivalent (R32 - GWP 675)	tCO <sub>2</sub> e	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	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 <sup>2</sup>	Screened 0.75-1.5mm <sup>2</sup> , 2 Core, F1 F2 Connection						

<sup>1</sup> 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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