

SAMSUNG



Samsung Big Ceiling R32

The Samsung Big Ceiling is a simple and stylish indoor unit that delivers a powerful cooling performance. So as well as blending harmoniously into any workplace, it cools a larger area much faster.

Wide & Long distance cooling

Samsung Big Ceiling air conditioner's powerful cooling means you can cool a larger space in a shorter time. It blows cool air over a long distance, up to 15m.

High Elevation (up to 15 m)

It provides much greater flexibility as it can be installed even in places where the elevation is up to a height of 15m – which is higher, or two storeys more, than conventional air conditioners.

WiFi Control

Temperatures in your building can be managed remotely using the SmartThings App¹. 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) system² analyses and predicts your needs so it can suggest the best settings for inside your home.

¹ Available on Android and iOS devices. A Wi-Fi connection and Samsung SmartThings account are required.
² Voice control is supported in English.

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- Vertical or horizontal installation.
- Air supply by means of one adjustable blade; blade angle between 4° and 45°.
- Long-life washable HD 40 permanent filter is included.



Specifications

*3-phase unit available.

Model No.	Indoor Unit Outdoor Unit (1-phase)		AC100RNCDKG/EU AC100RXADKG/EU*	AC120RNCDKG/EU AC120RXADKG/EU*	AC140RNCDKG/EU AC140RXADKG/EU*	
Capacity	Cooling		10.0(3.0-12.0)	12.0(3.0-13.5)	13.4(3.5-15.5)	
	Heating	kW	11.2(2.2-15.5)	13.2(3.8-16.5)	15.5(3.5-18.0)	
UK Capacity	Sensible cooling	kW	7.13	8.17	9.01	
Efficiency	EER		3.05	2.76	2.97	
	COP ¹	W/W	3.44	3.44	3.41	
	SEER ¹		6.1/ A++	5.9/ A+	6.1/ A++	
	SCOP ¹	W/W	4.0/ A+	4.0/ A+	4.0/ A+	
Annual Energy Consumption	Cooling	kWh/a	574	-	-	
	Heating		1,820	-	-	
Sound Pressure	Indoor (H/M/L)		42/38/34	44/41/37	46/42/38	
	Outdoor (Cooling/Heating)	dB(A)	52/54	54/56	53/54	
Sound Power	Indoor Unit	dB(A)	60	62	64	
	Outdoor Unit		69	70	69	
Airflow Rate	Indoor	Cooling (H/M/L)	l/s	433/383/317	500/400/333	567/450/383
		Heating (H/M/L)	l/s	433/383/317	533/433/367	567/450/383
	Outdoor	l/s	1,200	1,200	1,833	
Dimensions (W x H x D)	Indoor	mm	1,650 x 235 x 675	1,650 x 235 x 675	1,650 x 235 x 675	
	Outdoor		940 x 998 x 330	940 x 998 x 330	940 x 1,210 x 330	
Net Weight	Indoor Unit	kg	42.0	41.5	41.5	
	Outdoor Unit		75.0	81.0	91.5	
Refrigerant	Pipe Size	Gas	5/8	5/8	5/8	
		Liquid	3/8	3/8	3/8	
	Std/Max Pipe Length (Height)	m	5/50/(30)	5/50/(30)	5/75/(30)	
	Pre Charge to		30	30	30	
	Factory Charging	kg	2.7	2.7	2.9	
	Additional Charge	g/m	50	50	50	
Electrical	CO ₂ Equivalent (R32 - GWP 675)		tCO _{2e}	1.82	1.82	1.96
	Power Supply	V, Hz	220-240 V, 50 Hz	220-240 V, 50 Hz	220-240 V, 50 Hz	
	Power Input	Cooling	kW	0.60/3.28/4.70	0.90/4.35/5.30	0.80/4.50/6.45
		Heating		0.46/3.25/5.40	0.70/3.83/5.60	0.70/4.54/7.36
	Current Input	Cooling	A	3.0/14.6/20.4	5.1/19.1/24.0	3.7/19.7/28.0
		Heating		2.5/14.2/23.0	3.9/17.0/26.0	3.5/19.8/32.0
	MCA	A	26.5	26.5	34.5	
	MFA	A	30.0	30.0	40.0	
	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				
Wi-Fi Kit	LCD Wired Controller	Remote Temperature Sensor	Touch Controller	External Contact Interface Module
MIM-H04EN	MWR-WG00JN	MRW-TA	MWR-SH11N	MIM-B14