SAMSUNG

Smart Airconditioning Solutions

Big Ceiling- Inverter

- R32 Refrigerant - Protect the planet by reducing the impact of climate change.
- Powerful Cooling- You can quickly cool a large area. It blows air over a long distance up to 15 meters, which is 70% more than conventional air conditioners.
- Enlarged Blades & Enhanced Fans- the enlarged blade, single motor and enhanced fan design enable the unit to work quietly and efficiently.
- Simple & Unique Design- harmoniously seamless and minimalistic design that blends unobtrusively blends with the ceiling.
- Greater height (up to 15 m).
- Heat Pump- effective heating in winter.
- Inverter high energy efficiency compressor.

FIVE YEAR 5 WARRANTY

Refreshing airflow with a compact & flexible design.

The R32 Big Ceiling air conditioner boasts a slim and flexible configuration. With its sleek elegant new design, the high-powered range blends in with any interior design. Inverter efficiency and an A+ Energy Grade (Cooling) ensures maximum electricity savings. Ideal for boardrooms, conference rooms, hotel lobbies and other commercial applications.

Model Code		AC071RNCDKG/EU	AC100RNCDKG/EU	AC140RNCDKG/EU
Features	Type	7.1kW-1Φ-Ceiling	10.0kW-1Φ-Ceiling	14.0kW-1Φ-Ceiling
Model Name	Indoor Unit	AC071RNCDKG/EU	AC100RNCDKG/EU	AC140RNCDKG/EU
	Outdoor Unit	AC071RXADKG/EU	AC100RXADKG/EU	AC140RXADKG/EU
System	Mode	HEAT PUMP	Heat Pump	Heat Pump
Capacity	Cooling [kW]	1.50 / 7.10 / 8.70 kW	3.00 / 10.00 / 12.00 kW	3.50 / 13.40 / 15.50 kW
	Heating [kW]	1.90 / 8.00 / 9.00 kW	2.20 / 11.20 / 15.50 kW	3.50 / 15.50 / 18.00 kW
Power Input (Nominal)	Cooling 1)	0.35 / 2.87 / 3.60 kW	0.60 / 3.28 / 4.70 kW	0.80 / 4.50 / 6.45 kW
	Heating 2)	0.35 / 3.05 / 3.95 kW	0.46 / 3.25 / 5.40 kW	0.70 / 4.54 / 7.36 kW
Current Input (Nominal)	Cooling 1)	2.0 / 12.4 / 16.0 A	3.0 / 14.6 / 20.4 A	3.7 / 19.7 / 28.0 A
	Heating 2)	2.0 / 13.2 / 17.0 A	2.5 / 14.2 / 23.0 A	3.5 / 19.8 / 32.0 A
Power	MCA [A]	17.5 A	26.5 A	34.5 A
	MFA [A]	20.6 A	30.0 A	40.0 A
Energy Efficiency	Energy Grade (Cooling)	SEER 5.6 (A+)	SEER 6.1 (A++)	SEER 6.1
	Energy Grade (Heating)	SCOP 3.9 (A)	SCOP 4.0 (A+)	SCOP 4.0
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm	9.52 mm	9.52 mm
	Liquid Pipe (Φ, inch)	1/4"	3/8"	3/8"
	Gas Pipe (Φ, mm)	15.88 mm	15.88 mm	15.88 mm
	Gas Pipe (Φ, inch)	5/8"	5/8"	5/8"
	Installation Max. Length [m]	50 m	50 m	75 m
	Installation Max. Height [m]	30 m	30 m	30 m
Field Wiring	Transmission Cable	0.75↑	0.75mm2↑	0.75mm2 ↑
Refrigerant	Type	R32(Contains fluorinated greenhouse gases, GWP=675)	R32(Contains fluorinated greenhouse gases, GWP=675)	R32(Contains fluorinated greenhouse gases, GWP=675)
	Control Method	EEV	EEV	EEV
	Factory Charging (kg)	1.70 kg	2.70 kg	2.9 kg
	Factory Charging (tCO2e)	1.15 tCO2e	1.82 tCO2e	1.96 tCO2e
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1, 2, 220~240, 50	1Φ, 220~240V/50Hz

Powerful cooling with a long distance wind.

Focused on sending "sufficient" amount of conditioned air to "distant" places to cover a huge area. Using the Samsung Big Ceiling means you can cool or heat large areas quickly and efficiently, maintaining a comfortable temperature for a long time. Fast and effective cooling of working areas with Samsung Big Ceiling inverter ceiling air conditioners is achieved due to the ability to blow air over long distances of up to 15 meters , which is 70% more than conventional air conditioners.

Fan	Type	Sirroco	Sirocco	Sirocco
	Motor (Output) [W]	40 W	244 W	244 W
	Number of Unit (EA)	2 EA	4 EA	4 EA
	Air Flow Rate (High / Mid / Low) [CMM]	15.2/14.1/13.1 CMM	26.0/23.0/19.0 CMM	34.0/27.0/23.0 CMM
	External Static Pressure (Min / Std / Max) [mmAq]			
Drain	Drain Pipe (Φ,mm)	ID18mm Hose	VP-25(OD32,ID25)	VP-25(OD32,ID25)
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	46 / 44 / 42 dBA	42 / 38 / 34 dBA	46 / 42 / 38 dBA
	Sound Power (Cooling) [dB(A)]	64 dBA	60 dBA	64 dBA
External Dimension (Indoor Unit)	Net Weight(kg)	20.0 kg	42.0 kg	42.0 kg
	Shipping Weight (kg)	25.0 kg	48.0 kg	48.0 kg
	Net Dimensions (WxHxD) (mm)	1000 x 200 x 650 mm	1650 x 235 x 675 mm	1650 x 235 x 675 mm
	Shipping Dimensions (WxHxD) (mm)	1074 x 294 x 726 mm	1739 x 321 x 758 mm	1739 x 321 x 758 mm
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1, 2, 220~240, 50	1Φ, 220~240V/50Hz
Compressor	Type	Twin BLDC	Twin BLDC	Twin BLDC
	Model	UB4TN8200FE4	UB8TN8300FJU	UB5TN5450FJX
	Output(kW)	1.89 kW	2.91 kW	4.25 kW
	Oil (Type)	POE	POE	POE
	Oil (Initial Charge) [cc]	650 cc	1200 cc	1700 cc
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CMM]	51 CMM	72 CMM	110 CMM
Sound (Outdoor Unit)	Sound Pressure (Cooling / Heating) [dB(A)]	49/51 dBA	52 / 54 dBA	53 / 54 dBA
	Sound Power (Cooling) [dB(A)]	65 dBA	69 dBA	69 dBA
External Dimension (Outdoor Unit)	Net Weight(kg)	51.0 kg	75.0 kg	91.5 kg
	Shipping Weight (kg)	55.0 kg	80.0 kg	100.0 kg
	Net Dimensions (WxHxD) (mm)	880 x 798 x 310 mm	940 x 998 x 330 mm	940 x 1210 x 330 mm
	Shipping Dimensions (WxHxD) (mm)	1023 x 896 x 413 mm	995 x 1096 x 426 mm	995 x 1388 x 426 mm
Operating Temp. Range	Cooling (℃)	-15 ~ 50℃	-15~50℃	-15~50℃
	Heating (℃)	-20 ~ 24℃	-20~24℃	-20~24℃
Smart	WiFi Kit	Optional	Optional	Optional
App Connectivity	SmartThings App Support	Yes	Yes	Yes