

SAMSUNG

Smart Airconditioning Solutions

360 Cassette

- **R32 refrigerant:** Samsung is presenting a new era of air conditioners with R32 refrigerant. R32 has a lower Global Warming Potential (GWP) of 675 compared to R410A GWP of 2,088. R32 is also a zero Ozone Depletion Potential (ODP) refrigerant, minimizing the effects on the ozone layer.
- **Maintaining comfort whilst keeping your style:** Samsung innovative 360 cassette takes cassette technology to the next level, not only providing good comfort where you need it when you need it, it also has a neat, tidy look with an aesthetic flair that virtually blends with any interior.
- **Circular Design:** Its full-circle design allows it to be placed beautifully to help meet your aesthetic interior designs.
- **Blade-less:** Innovative 360 degree airflow provides optimal air conditioning, minimising hot spots and cold spots, contributing to fast and even temperature control.
- **Balanced Air Conditioning:** Innovative 360 degree airflow provides optimal air conditioning, minimising hot spots and cold spots, contributing to fast and even temperature control.
- **LED Display:** Circular LED displays airflow direction setting of horizontal and vertical airflow operation.



All round cooling & comfort.

A single glance is enough to reveal that the Samsung 360 Cassette is in a class all of its own and why it is being specified more and more by architects, consultants and installers as the cassette for upmarket homes and offices. Not only does the 360 Cassette's revolutionary new circular shape enhance any interior design, it's also a beautiful answer to draft-free climate control. An internal booster fan ensures a perfect 360° horizontal spread of airflow ensuring there are no 'dead zones'. There are no blades to gather dust, airflow is increased by 25% over conventional square cassettes, thus ensuring faster cooling or heating. Where a premium draft-free air conditioning experience is required, the Samsung 360 Cassette is the obvious choice. For the inner circle who demand only the best.



Model Code		AC071RN4PKG/EU	AC100RN4PKG/EU	AC140RN4PKG/EU
Attribute		Value	Value	Value
Features	Type	71kW-1Φ-4way CST	10.0kW-1Φ-360 CST	14.0kW-1Φ-360 CST
Model Name	Indoor Unit	AC071RN4PKG/EU	AC100RN4PKG/EU	AC140RN4PKG/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 / 2.73 / 3.60 kW	0.60 / 3.24 / 4.70 kW	0.80 / 4.76 / 6.45 kW
	Heating 2)	0.35 / 2.48 / 3.95 kW	0.46 / 3.20 / 5.40 kW	0.70 / 4.62 / 7.36 kW
Current Input (Nominal)	Cooling 1)	2.0 / 11.8 / 16.0 A	3.0 / 14.4 / 20.4 A	3.7 / 20.6 / 28.0 A
	Heating 2)	2.0 / 10.7 / 17.0 A	2.5 / 14.2 / 23.0 A	3.5 / 20.0 / 32.0 A
Power	MCA [A]	18.0 A	25.5 A	33.5 A
	MFA [A]	20.6 A	30.0 A	40.0 A
Energy Efficiency	Energy Grade (Cooling)	SEER 6.7 (A++)	SEER 6.8 (A++)	SEER 6.4
	Energy Grade (Heating)	SCOP 4.2 (A+)	SCOP 4.3 (A+)	SCOP 4.1
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)		
	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
Fan	Type	Turbo Fan	Turbo	Turbo
	Motor (Output) [W]	65 W	97 W	97 W
	Number of Unit (EA)	1 EA	1 EA	1 EA
	Air Flow Rate (High / Mid / Low) [CMM]	17.5/15.9/14.3 CMM	31.2/25.5/19.8 CMM	32.4/27.1/22.8 CMM
	External Static Pressure (Min / Std / Max) [mmAq]		- mmAq	
Drain	Drain Pipe (Φ,mm)	VP25(OD32/ID25) mm	VP 25 (OD 32 / ID 25) mm	OD 32 / ID 25 mm
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	36 / 33 / 29 dBA	44 / 39 / 33 dBA	45 / 41 / 37 dBA
	Sound Power (Cooling) [dB(A)]	53 dBA	61 dBA	61 dBA
External Dimension (Indoor Unit)	Net Weight(kg)	20.2 kg	23.5 kg	25.5 kg
	Shipping Weight (kg)	24.5 kg	28.3 kg	30.3 kg
	Net Dimensions (WxHxD) (mm)	947 x 281 x 947 mm	947 x 365 x 947 mm	947 x 365 x 947 mm
	Shipping Dimensions (WxHxD) (mm)	990 x 330 x 990 mm	990 x 414 x 990 mm	990 x 414 x 990 mm
Panel Size	Panel model	PC4NUDMAN	PC4NUDMAN	PC4NUDMAN
	Panel Net Weight (kg)	3.6 kg	3.6 kg	3.6 kg
	Shipping Weight (kg)	6.3 kg	6.3 kg	6.3 kg
	Net Dimensions (WxHxD) (mm)	1000 x 66 x 1000 mm	1000 x 66 x 1000 mm	1000 x 66 x 1000 mm
	Shipping Dimensions (WxHxD) (mm)	1093 x 85 x 1083 mm	1093 x 85 x 1083 mm	1093 x 85 x 1083 mm
Additional Accessories	Drain Pump	Built In	DC (Include)	DC (Include)
	Drain Pump Max. Lifting Height/Displacement	750 / 24	750 / 24	750 / 24
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 Rotary	Twin BLDC Rotary
	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 (°C)	-15 ~ 50 °C	-15~50 °C	-15~50 °C
	Heating (°C)	-20 ~ 24 °C	-20~24 °C	-20~24 °C
Smart	WiFi Kit	Optional	Optional	Optional
App Connectivity	SmartThings App Support	Yes	Yes	Yes

Panels



PC4NUDMAN



PC4NBDMAN



PC4NUNMAN



PC4NBNMAN

Individual Controllers



AR-KH03E



MWR-WE13N



MWR-WG00JN



MIM-H03N