Samsung 360 Cassette

The Samsung 360 Cassette has an innovative circular design that enables it to match a multitude of interior designs, that adds a touch of style to any room. The Auto Elevation Panel provides quick and comfortable access to dust filters for cleaning. Its minimalistic and elegant styling can help to create a sophisticated and distinctive look in many different sites.

Circular Airflow

Unlike traditional 4-Way Cassette units[1], which create areas of uneven airflow[2], the 360 Cassette reaches every single corner of a room or space. Its circular outlet blows cool air in every direction. The bladeless design keeps things comfortably cool without creating a cold draft[3], and without blades blocking the airflow it sends 25% more air even further[1].

Airflow Control

The air supply is easily adjusted without the use of flaps. Three booster fans work to alter the direction of airflow from within the cassette's hollow space. A rain-like distribution of the air (known as the 'coanda' effect) keeps the room cool and comfortable at all times. The innovative technology overcomes the usual limits of the conventional outlets that use blades, as they obstruct the air at low angles and cause a significant low airflow[4]. The Motion Detector Sensor (MDS) is available for the 360 Cassette.

Air Purification Panel

The Samsung 360 Cassette offers a Purifying Panel that keeps the indoor air fresh and clean. It is made of a two filter purification system the pre-filter and the PM1.0 Filter and has a superior filter mesh with 0.5mm holes, which is 20% denser than a vinyl chloride type filter. The Pre-Filter captures larger dust particles, stopping them from entering the air conditioning unit. The PM1.0 Filter is not only effective at capturing ultrafine dust of up to $0.3\mu m$ in size, but it also sterilizes up to 99% of certain types of bacteria[5] trapped by the filter using an electrostatic precipitator[5].

[1] Samsung testing compares the 360 Cassette to a conventional 4-Way Cassette type air conditioner.
[2] The temperature difference is less than 0.6°C within a 9.3m radius.
[3] No cold draft between 0–1.5m in height (with a 14.0 kW indoor unit) within a 5m radius.
[4] Based on internal testing compared to a general 4-Way Cassette air conditioner.
[5] Verified by Intertek, Report Number RT20E-S0010-R, Issue Date:17 April 2020 . The K-element (Electrostatic Precipitator) of Samsung Electronics can sterilize certain types of bacteria that collected on the filter (Escherichia coli: above 99 %, Staphylococcus aureus: above 99 %).

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- 360° air supply.
- Bladeless discharge thanks to three small booster fans.
- Built-in condensation drain pump (750 mm).
- High ceiling mode for heights up to 4.6 m (12.8/14.0 kW), 3.9 m (11.2 kW), 3.5 m (4.5~9.0 kW).
- SPi Ioniser (optional)*.
- Circular or square cassette panel.
- Motion Detector Sensor is optional for square cassette panel.

*Our products have not been tested for their effects on the COVID-19 virus. Therefore, we do not make or give any express or implied claims or guarantees with regard to COVID-19.

Specifications

*3-phase unit available.

Model No.	Indoor Unit		AC071RN4PKG/EU	AC100RN4PKG/EU	AC120RN4PKG/EU	AC140RN4PKG/EU
	Outdoor Unit (1-phase)		AC071RXADKG/EU	AC100RXADKG/EU*	AC120RXADKG/EU*	AC140RXADKG/EU*
Capacity	Cooling	kW	7.10(1.50-8.70)	10.0(3.0-12.00)	12.0(3.5-13.5)	3.50/13.40/15.50
	Heating		8.00(1.90-9.00)	11.2(2.2-15.5)	13.2(3.5-15.5)	3.50/15.50/18.00
UK Capacity	Sensible cooling	kW	4.9	7.4	8.6	9.2
Efficiency	EER	W/W	2.60	3.08	2.69	2.81
	COP[1]		3.23	3.50	3.26	3.35
	SEER[1]	W/W	6.7/ A++	6.8/ A++	6.0/ A+	6.4
	SCOP[1]		4.2/ A+	4.3/ A+	4.0/ A+	4.1
Annual Energy Consumption	Cooling	kWh/a	371	515	700	-
	Heating		1500	1726	2275	-
Sound Pressure	Indoor (H/M/Silent)	dB(A)	36/33/29	44/39/33	45/40/35	45/41/37
	Outdoor (Cooling only)		49	52	54	53
Sound Power	Indoor Unit	dB(A)	53	61	61	61
	Outdoor Unit		65	69	70	69
Airflow Rate	Indoor Cooling (T/H/M/L)	l/s	291.6/265/238.3	520/425/330	542/425/330	540/452/380
	Heating (T/H/M/L)	l/s	291.6/265/238.3	520/425/330	520/425/330	540/452/380
	Outdoor	l/s	650	1,200	1,200	1,833
Dimensions (W x H x D)	Indoor	mm	947 x 281 x 947	947 x 365 x 947	947 x 365 x 947	947 x 365 x 947
	Outdoor		880 x 798 x 310	940 x 998 x 330	940 x 998 x 330	940 x 1,210 x 330
Net Weight	Indoor Unit	kg	20.2	23.5	23.5	25.5
	Outdoor Unit		51.0	75.0	81.0	91.5
Refrigerant	Pipe Size Gas	ø, inch	5/8	5/8	5/8	5/8
	Liquid		1/4	3/8	3/8	3/8
	Std/Max Pipe Length (Height)	m	3/50(30)	50(30)	50(30)	75(30)
	Pre Charge to		1.7	2.7	2.7	2.9
	Factory Charging	kg	15	30	30	30
	Additional Charge	g/m	25	50	50	50
	CO_2 Equivalent (R32 - GWP 675)	tCO₂e	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
	Power Input Cooling	kW	0.35/2.73/3.60	0.60/3.24/4.70	0.90/4.45/5.30	0.80/4.76/6.45
	Heating		0.35/2.48/3.95	0.46/3.20/5.40	0.75/4.05/5.60	0.70/4.62/7.36
	Current Input Cooling	A	2.0/11.8/16.0	3.0/14.4/20.4	4.3/19.5/24.0	3.70/20.60/28.00
	Heating		2.0/10.7/17.0	2.5/14.2 /23.0	3.7/17.7/26.0	3.7/20.6/28.0
	Interconnecting Communication Cable	mm²	Screened 0.75-1.5mm², 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

360 Cassette Fascia Panel - Square WHITE	360 Cassette Fascia Panel - Square BLACK	360 Cassette Fascia Panel - Round WHITE	360 Cassette Fascia Panel - Round BLACK	360 Cassette Fascia Panel Square - PURE Filter	360 Cassette Fascia Panel Square - AutoLIFT	Motion Detect Sensor for PC4NUDMAN/ PC4NUNMAN
PC4NUDMAN	PC4NBDMAN	PC4NUNMAN	PC4NBNMAN	PC6EUCMAN	PC6EUXMAN	MCR-SME

SPi Ioniser	Wireless Remote Controller	Wi-Fi Kit	External Thermostat	Premium Wired Controller	Simple Type Controller	Simplified Wired Controller
MSD-CAN1	AR-KH03E	MIM-H04EN	MRW-TA	MWR-WG00JN/WG00KN	MWR-SH00N	MWR-SH11N