

SAMSUNG
Climate Solutions



360 Cassette

360 Cassette

- 360 degree air supply.
- Bladeless discharge. Booster fans can be individually controlled, allowing for completely horizontal flow discharge. Coandă effect is created even without ceiling.
- The PM 1.0 panel is an optional accessory for the circle panel.
- Auto elevation panel is an optional accessory available for the circle panel.

- Built-in condensation drain pump.
- Predisposition of the air inlet to let fresh air in.
- Can be controlled by Smartphone via Wi-Fi Kit (Optional).
- Circular or square cassette panel. Available in white and black.
- Motion Detector Sensor is optional for square cassette panel.

Specifications



Model			AM045KN4DEH/EU	AM056KN4DEH/EU	AM071KN4DEH/EU	AM090KN4DEH/EU
Electrical						
Power Supply	Ø, #, V, Hz		1Ø, 2, 220–240 V, 50/60 Hz	1Ø, 2, 220–240 V, 50/60 Hz	1Ø, 2, 220–240 V, 50/60 Hz	1Ø, 2, 220–240 V, 50/60 Hz
MCA	A		0.18	0.21	0.25	0.42
MFA	A		15	15	15	15
Interconnecting Communication Cable	mm ²		Screened 0.75-1.5mm ² , 2 Core, F1 F2 Connection			
Performance¹						
Nominal Cooling Capacity	Total Cooling (Sensible Cooling)	kW	4.5 (3.1)	5.6 (3.9)	7.1 (5.0)	9.0 (6.3)
UK Cooling Capacity	Total Cooling (Sensible Cooling)	kW	3.7 (2.8)	4.6(3.5)	5.8 (4.5)	7.3 (5.7)
Nominal Heating Capacity		kW	5.0	6.3	8.0	10.0
Fan						
Type		-	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
Number of Fans		ea	1	1	1	1
Fan Motor	Model	-	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
	Output x n	W	65 x 1	65 x 1	65 x 1	65 x 1
Airflow Rate	H/M/L	m ³ /min	14.50 / 13.50 / 12.50	16.00 / 14.50 / 13.50	18.00 / 16.00 / 14.00	22.00 / 18.50 / 16.00
		l/s	241.67 / 225.00 / 208.33	266.67 / 241.67 / 225.00	300.00 / 266.67 / 233.33	366.67 / 308.33 / 266.67
Piping Connections						
Liquid Pipe	ø, mm (inch)		6.35 (1/4)	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)
Gas Pipe	ø, mm (inch)		12.7 (1/2)	12.7 (1/2)	15.88 (5/8)	15.88 (5/8)
Drain Pipe	ø, mm		VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Refrigerant						
Type			R410A (Fluorinated greenhouse gas, GWP=2088)			
Control Method			EEV included	EEV included	EEV included	EEV included
Sound						
Sound Pressure Level	H/M/L	dB(A)	33 / 31 / 29	34 / 32 / 29	36 / 33 / 30	40 / 36 / 32
Sound Power Level	Cooling	dB(A)	50	51	53	57
Dimensions						
Net Weight		kg	21.0	21.0	21.0	21.0
Net Dimensions	W x H x D	mm	947 x 281 x 947	947 x 281 x 947	947 x 281 x 947	947 x 281 x 947
Drain Pump						
Internal Model		-	Included	Included	Included	Included
External Model		-	-	-	-	-
Max Lifting Height / Displacement		mm / litres/h	750 / 24	750 / 24	750 / 24	750 / 24
Default Panel						
Model Code		-	PC4NUNMAN	PC4NUNMAN	PC4NUNMAN	PC4NUNMAN
Net Weight		kg	2.70	2.70	2.70	2.70
Net Dimensions	W x H x D	mm	1050 x 94 x 1050	1050 x 94 x 1050	1050 x 94 x 1050	1050 x 94 x 1050
Colour		-	Round/White	Round/White	Round/White	Round/White

¹ Performances are based on the following design conditions:

- Nominal Cooling Capacity: Indoor temperature 27°C DB, 19°C WB, Outdoor temperature 35°C DB
- Nominal Heating Capacity: Indoor temperature 20°C DB, Outdoor temperature 7°C DB, 6°C WB
- UK Cooling Capacity: Indoor temperature 23°C DB, 16°C WB, Outdoor temperature 30°C DB

Accessories

Wireless Remote Controller	Touch Wired Controller	Premium Wired Controller	Wi-Fi Kit
AR-KH03E	MWR-SH11N	MWR-WG00JN	MIM-H04EN
External Room Sensor	Panel (Square White)	Panel (Square Black)	Panel (Round Black)
MRW-TA	PC4NUDMAN	PC4NBDMAN	PC4NBNMAN
Motion Detect Sensor for PC4NUDMAN Panel	Air Purification Panel	Auto Elevation Panel	
MCR-SME	PC6EUCMAN	PC6EUXMAN	

Specifications



Model			AM112KN4DEH/EU	AM128KN4DEH/EU	AM140KN4DEH/EU
Electrical					
Power Supply		Ø, #, V, Hz	1Ø, 2, 220–240 V, 50/60 Hz	1Ø, 2, 220–240 V, 50/60 Hz	1Ø, 2, 220–240 V, 50/60 Hz
MCA		A	0.41	0.62	0.75
MFA		A	15	15	15
Interconnecting Communication Cable		mm ²	Screened 0.75–1.5mm ² , 2 Core, F1 F2 Connection		
Performance¹					
Nominal Cooling Capacity	Total Cooling (Sensible Cooling)	kW	11.2 (7.9)	12.8 (9.1)	14.0 (9.6)
UK Cooling Capacity	Total Cooling (Sensible Cooling)	kW	9.1 (7.1)	10.4 (8.1)	11.4 (8.5)
Nominal Heating Capacity		kW	12.5	13.8	16.0
Fan					
Type		-	Turbo Fan	Turbo Fan	Turbo Fan
Number of Fans		ea	1	1	1
Fan Motor	Model	-	BLDC Motor	BLDC Motor	BLDC Motor
	Output x n	W	97 x 1	97 x 1	97 x 1
Airflow Rate	H/M/L	m ³ /min	25.50 / 21.00 / 17.50	29.50 / 24.00 / 19.00	31.50 / 26.50 / 21.00
		l/s	425.00 / 350.00 / 291.67	491.67 / 400.00 / 316.67	525.00 / 441.67 / 350.00
Piping Connections					
Liquid Pipe		ø, mm (inch)	9.50 (3/8)	9.50 (3/8)	9.50 (3/8)
Gas Pipe		ø, mm (inch)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
Drain Pipe		ø, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Refrigerant					
Type			R410A (Fluorinated greenhouse gas, GWP=2088)		
Control Method			EEV included	EEV included	EEV included
Sound					
Sound Pressure Level	H/M/L	dB(A)	40 / 36 / 32	42 / 38 / 33	44 / 40 / 35
Sound Power Level	Cooling	dB(A)	58	60	61
Dimensions					
Net Weight		kg	24.0	24.0	24.0
Net Dimensions	W x H x D	mm	947 x 365 x 947	947 x 365 x 947	947 x 365 x 947
Drain Pump					
Internal Model		-	Included	Included	Included
External Model		-	-	-	-
Max Lifting Height / Displacement		mm / litres/h	750 / 24	750 / 24	750 / 24
Default Panel					
Model Code		-	PC4NUNMAN	PC4NUNMAN	PC4NUNMAN
Net Weight		kg	2.70	2.70	2.70
Net Dimensions	W x H x D	mm	1050 x 94 x 1050	1050 x 94 x 1050	1050 x 94 x 1050
Colour		-	Round/White	Round/White	Round/White

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