

SAMSUNG
Climate Solutions



WindFree™ 1way Cassette

WindFree™ 1way Cassette

- WindFree™ Cooling mode.
- One-way air supply by means of a 100 mm wide blade.
- Built-in condensation drain pump and humidity sensor.
- Cross-flow fan direct driven by a BLDC motor.

- Can be controlled by Smartphone via Wi-Fi Kit (Optional).
- Optional Air Purification Panel.

Specifications



Model		AM017NN1PEH/EU	AM022NN1PEH/EU	AM022NN1DKH/EU	AM028NN1DKH/EU	AM036NN1DKH/EU	
Electrical							
Power Supply	Ø, #, V, Hz	1Ø, 2, 220-240 V, 50 Hz					
MCA	A	0.18	0.19	0.25	0.29	0.31	
MFA	A	15	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	1.70 (1.20)	2.20 (1.50)	2.20 (1.50)	2.80 (1.90)	3.60 (2.60)
UK Cooling Capacity	Total Cooling (Sensible Cooling)	kW	1.40 (1.10)	1.80 (1.40)	1.80 (1.40)	2.30 (1.80)	2.90 (2.40)
Nominal Heating Capacity		kW	1.90	2.50	2.50	3.20	4.00
Fan							
Type		-	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan
Number of Fans		ea	1	1	1	1	1
Fan Motor	Model	-	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
	Output x n	W	27 x 1	27 x 1	27 x 1	27 x 1	27 x 1
Airflow Rate	H/M/L	m ³ /min	4.80 / 4.30 / 4.10	5.10 / 4.60 / 4.30	6.00 / 5.00 / 4.00	7.00 / 6.00 / 5.00	8.00 / 7.00 / 6.00
		l/s	80.00 / 71.67 / 68.33	85.00 / 76.67 / 71.67	100.00 / 83.33 / 66.67	116.67 / 100.00 / 83.33	133.33 / 116.67 / 100.00
Piping Connections							
Liquid Pipe	ø, mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	
Gas Pipe	ø, mm (inch)	12.70 (1/2)	12.70 (1/2)	12.70 (1/2)	12.70 (1/2)	12.70 (1/2)	
Drain Pipe	ø, mm	VP20 (OD 25, ID 20)	VP20 (OD 25, ID 20)	VP20 (OD 25, ID 20)	VP20 (OD 25, ID 20)	VP20 (OD 25, ID 20)	
Refrigerant							
Type		R410A (Fluorinated greenhouse gas, GWP=2088)					
Control Method		EEV included	EEV included	EEV included	EEV included	EEV included	
Sound							
Sound Pressure Level	H/M/L	dB(A)	28 / 26 / 24	29 / 26 / 24	29 / 26 / 24	32 / 28 / 24	37 / 33 / 30
Sound Power Level	Cooling	dB(A)	46	47	47	50	55
Dimensions							
Net Weight		kg	8.0	8.0	10.0	10.0	10.0
Net Dimensions	W x H x D	mm	740 x 135 x 360	740 x 135 x 360	970 x 135 x 410	970 x 135 x 410	970 x 135 x 410
Drain Pump							
Internal Model		-	Drain Pump Included	Drain Pump Included	Drain Pump Included	Drain Pump Included	Drain Pump Included
External Model		-	-	-	-	-	-
Max Lifting Height / Displacement		mm / litres/h	750 / 24	750 / 24	750 / 24	750 / 24	750 / 24
Default Panel							
Model Code		-	PC1MWFMAN (Small)	PC1MWFMAN (Small)	PC1NWFMAN (Medium)	PC1NWFMAN (Medium)	PC1NWFMAN (Medium)
Net Weight		kg	2.6	2.6	4.3	4.3	4.3
Net Dimensions	W x H x D	mm	960 x 35 x 420	960 x 35 x 420	1198 x 35 x 500	1198 x 35 x 500	1198 x 35 x 500
Colour		-	White	White	White	White	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	Air Purification Panel (Small)	Air Purification Panel (Medium)	Air Purification Panel (Large)
MRW-TA	PC1MWCMAN	PC1NWCMAN	PC1BWCMAN

Specifications



Model			AM056NN1DEH/EU	AM071NN1DEH/EU
Electrical				
Power Supply		Ø, #, V, Hz	1Ø, 2, 220–240 V, 50 Hz	
MCA		A	0.35	0.50
MFA		A	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	5.60 (4.20)	7.10 (5.00)
UK Cooling Capacity	Total Cooling (Sensible Cooling)	kW	4.60 (3.80)	5.80 (4.50)
Nominal Heating Capacity		kW	6.30	8.00
Fan				
Type		-	Crossflow Fan	Crossflow Fan
Number of Fans		ea	1	1
Fan Motor	Model	-	BLDC Motor	BLDC Motor
	Output x n	W	54 x 1	54 x 1
Airflow Rate	H/M/L	m ³ /min	16.00 / 14.00 / 12.50	17.00 / 15.50 / 14.00
		l/s	266.67 / 233.33 / 208.33	283.33 / 258.33 / 233.33
Piping Connections				
Liquid Pipe		ø, mm (inch)	6.35 (1/4)	9.52 (3/8)
Gas Pipe		ø, mm (inch)	12.70 (1/2)	15.88 (5/8)
Drain Pipe		ø, mm	VP20 (OD 25, ID 20)	VP20 (OD 25, ID 20)
Refrigerant				
Type			R410A (Fluorinated greenhouse gas, GWP=2088)	
Control Method			EEV included	EEV included
Sound				
Sound Pressure Level	H/M/L	dB(A)	41 / 38 / 35	42 / 39 / 36
Sound Power Level	Cooling	dB(A)	59	60
Dimensions				
Net Weight		kg	13.5	13.5
Net Dimensions	W x H x D	mm	1200 x 138 x 450	1200 x 138 x 450
Drain Pump				
Internal Model		-	Drain Pump Included	Drain Pump Included
External Model		-	-	-
Max Lifting Height / Displacement		mm / litres/h	750 / 24	750 / 24
Default Panel				
Model Code		-	PC1BWFMAN (Large)	PC1BWFMAN (Large)
Net Weight		kg	5.0	5.0
Net Dimensions	W x H x D	mm	1410 x 35 x 500	1410 x 35 x 500
Colour		-	White	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