

SAMSUNG
Climate Solutions

VRF



WindFree™ Wall Mounted with EEV

WindFree™ Wall Mounted with EEV

- WindFree™ Cooling mode.
- Four-way swing allows users to control the airflow direction from left to right and up or down using the remote controller.
- Can be controlled by Smartphone via Wi-Fi Kit (Optional).
- Equipped with Easy Filter Plus, easily accessible and washable pre-filter with dense mesh.

Specifications



Model			AM015TNVDKH/EU	AM022TNVDKH/EU	AM028TNVDKH/EU	AM036TNVDKH/EU
Electrical						
Power Supply	Ø, #, V, Hz		1Ø, 2, 220–240 V, 50 Hz	1Ø, 2, 220–240 V, 50 Hz	1Ø, 2, 220–240 V, 50 Hz	1Ø, 2, 220–240 V, 50 Hz
MCA	A		0.16	0.20	0.25	0.31
MFA	A		15.0	15.0	15.0	15.0
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	1.5 (1.0)	2.2 (1.5)	2.8 (1.9)	3.6 (2.4)
UK Cooling Capacity	Total Cooling (Sensible Cooling)	kW	1.2 (1.0)	1.8 (1.5)	2.3 (1.8)	2.9 (2.2)
Nominal Heating Capacity		kW	1.7	2.5	3.2	4.0
Fan						
Type		-	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan
Number of Fans		ea	1	1	1	1
Fan Motor	Model	-	BLDC	BLDC	BLDC	BLDC
	Output x n	W	27 x 1	27 x 1	27 x 1	27 x 1
Airflow Rate	H/M/L	m ³ /min	4.9 / 4.5 / 4.1	5.7 / 5.0 / 4.5	8.5 / 7.7 / 6.9	10.3 / 9.1 / 8.3
		l/s	81.7 / 75.0 / 68.3	95.0 / 83.3 / 75.0	141.7 / 128.3 / 115.0	171.7 / 151.7 / 138.3
Piping Connections						
Liquid Pipe	ø, mm (inch)		6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
Gas Pipe	ø, mm (inch)		12.7 (1/2)	12.7 (1/2)	12.7 (1/2)	12.7 (1/2)
Drain Pipe	ø, mm		ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE
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/WindFree™	dB(A)	31 / 30 / 27 / 26	34 / 32 / 30 / 27	34 / 33 / 32 / 26	40 / 36 / 34 / 26
Sound Power Level	Cooling	dB(A)	50	51	52	56
Dimensions						
Net Weight		kg	9.0	9.0	9.5	9.5
Net Dimensions	W x H x D	mm	820 x 299 x 215	820 x 299 x 215	820 x 299 x 215	820 x 299 x 215

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	External Room Sensor
AR-EH03E	MWR-SH11N	MWR-WG00JN	MIM-H04EN	MRW-TA

Specifications



Model			AM045TNVDKH/EU	AM056TNVDKH/EU	AM071TNVDKH/EU	AM082TNVDKH/EU
Electrical						
Power Supply		Ø, #, V, Hz	1Ø, 2, 220–240 V, 50 Hz	1Ø, 2, 220–240 V, 50 Hz	1Ø, 2, 220–240 V, 50 Hz	1Ø, 2, 220–240 V, 50 Hz
MCA		A	0.34	0.44	0.50	0.54
MFA		A	15.0	15.0	15.0	15.0
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 (3.8)	6.8 (4.6)	8.2 (5.6)
UK Cooling Capacity	Total Cooling (Sensible Cooling)	kW	3.7 (2.8)	4.6 (3.4)	5.4 (4.6)	6.7 (5.0)
Nominal Heating Capacity		kW	5.0	6.3	7.0	8.5
Fan						
Type		-	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan
Number of Fans		ea	1	1	1	1
Fan Motor	Model	-	BLDC	BLDC	BLDC	BLDC
	Output x n	W	27 x 1	27 x 1	27 x 1	27 x 1
Airflow Rate	H/M/L	m ³ /min	12.5 / 11.4 / 10.5	15.7 / 13.8 / 12.0	16.8 / 15.0 / 13.2	17.5 / 15.6 / 13.8
		l/s	208.3 / 190.0 / 175.0	261.7 / 230.0 / 200.0	280.0 / 250.0 / 220.0	291.7 / 260.0 / 230.0
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	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE
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/WindFree™	dB(A)	37 / 34 / 33 / 29	40 / 37 / 34 / 29	43 / 40 / 37 / 29	46 / 45 / 43 / 30
Sound Power Level	Cooling	dB(A)	55	58	62	64
Dimensions						
Net Weight		kg	12.0	12.0	12.0	13.0
Net Dimensions	W x H x D	mm	1055 x 299 x 215	1055 x 299 x 215	1055 x 299 x 215	1055 x 299 x 215

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