

**SAMSUNG**  
Climate Solutions

VRF



**Outdoor Air Processing (OAP) Ducted**

# Outdoor Air Processing (OAP) Ducted

- 100% outdoor air unit.
- Equipped with Sirocco fans direct driven by a single motor.
- Discharge temperature control.
- No limitation in OAP Duct quantity for one system.

- Auto ESP function: the fan speed is adjustable according to ductwork external static pressure.
- Can be combined with other DVM indoor units to form one system.

## Specifications



Model			AM140MNEPEH/EU	AM220MNEPEH/EU	AM280MNEPEH/EU
<b>Electrical</b>					
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
MCA	A		3.2	5.2	6.2
MFA	A		15	15	15
Interconnecting Communication Cable	mm <sup>2</sup>		Screened 0.75-1.5mm <sup>2</sup> , 2 Core, F1 F2 Connection		
<b>Performance<sup>1</sup></b>					
Nominal Cooling Capacity	Total Cooling (Sensible Cooling)	kW	14.0 (6.8)	22.4 (10.8)	28.0 (13.8)
Nominal Heating Capacity		kW	8.9	13.9	17.4
<b>Fan</b>					
Type		-	Sirocco Fan	Sirocco Fan	Sirocco Fan
Number of Fans		ea	2	2	2
Fan Motor	Model	-	BLDC	BLDC	BLDC
	Output x n	W	183 x 1	630 x 1	630 x 1
Airflow Rate	H	m <sup>3</sup> /min	18	28	35
		l/s	300	466.7	583.3
Static Pressure	Min/Std/Max	Pa	150 / 200 / 250	180 / 230 / 290	200 / 250 / 300
<b>Piping Connections</b>					
Liquid Pipe		ø, mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
Gas Pipe		ø, mm (inch)	15.88 (5/8)	19.05 (3/4)	22.22 (7/8)
Drain Pipe		ø, mm	VP25	VP25	VP25
<b>Refrigerant</b>					
Type			R410A (Fluorinated greenhouse gas, GWP=2088)		
Control Method			EEV included	EEV included	EEV included
<b>Sound</b>					
Sound Pressure Level	H	dB(A)	42	46	47
Sound Power Level	Cooling	dB(A)	65	66	69
<b>Dimensions</b>					
Net Weight		kg	49	81.5	81.5
Net Dimensions	W x H x D	mm	1210 x 370 x 656	1360 x 460 x 910	1360 x 460 x 910

<sup>1</sup> Performances are based on the following design conditions:

- Nominal Cooling Capacity: Indoor temperature: 35°C DB, 28°C WB / Outdoor temperature: 35°C DB, 28°C WB
- Nominal Heating Capacity: Indoor temperature: 0°C DB, -3°C WB / Outdoor temperature: 0°C DB, -3°C WB
- Default target discharge (off-coil) temperature setting for cooling: 18°C
- Default target discharge (off-coil) temperature setting for heating: 25°C

### Accessories

Touch Wired Controller	Premium Wired Controller	Wi-Fi Kit	Drain pump	Drain pump
MWR-SH11N	MWR-WG00JN	MIM-H04EN	MDP-M075SGUZD (Internal assembly) for 14kW model	MDP-G075SP (external assembly) for 22 & 28kW models