



Air Handling Unit (AHU) Kit for VRF

- Integration with 3rd party AHU DX Coil.
- Provide the benefits of the AHU and DVM systems at the same time.
- Centralised air conditioning system.
- The AHU kit can provide cooling or heating in one package.
- IP54 waterproof certification (MXD-K Series).
- Connection of up to 4x 10HP size EEV Kits on a single Control Box (MCM Series).
- Simple BMS application (0–10V, MXD-K Series).
- Return air temperature control.
- Discharge air temperature control.
- Variable capacity Control (MXD-K Series).

Specifications



Model			MXD-K025AN	MXD-K050AN	MXD-K075AN	MXD-K100AN	MCM-D201N	MXD-A64K100E
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	1Ø, 2, 220–240 V, 50 Hz	-
Interconnecting Communication Cable	mm ²		Screened 0.75–1.5mm ² , 2 Core, F1 F2 Connection					
Performance¹								
Connectable VRF System Type	-		HP/HR	HP/HR	HP/HR	HP/HR	HP	HP
AHU Coil Capacity Allowance	Max	kW	8.8	17.5	24.9	35	35 / 70 / 105 / 140	35
	Min	kW	6.3	12.6	18.9	25.2	25.2 / 50.4 / 75.6 / 100.8	25.2
AHU Internal Coil Volume Allowance	Min - Max	cm ³	1200–2000	2400–4000	4100–6000	6100–8000	-	6100–8000
	Min - Max	L	1.2–2	2.4–4	4.1–6	6.1–8	-	6.1–8
Sensor								
Evaporator Inlet Refrigerant Temperature Sensor	Type	-	103HW	103HW	103HW	103HW	103HW	-
	Length	m	10	10	10	10	7	-
Evaporator Outlet Refrigerant Temperature Sensor	Type	-	103HW	103HW	103HW	103HW	103HW	-
	Length	m	10	10	10	10	7	-
Room/Return Air Temperature Sensor	Type	-	103HW	103HW	103HW	103HW	PT1000Ω / 4–20mA	-
	Length	m	10	10	10	10	Field Supplied	-
Discharge Air Temperature Sensor	Type	-	103HW	103HW	103HW	103HW	PT1000Ω / 4–20mA	-
	Length	m	10	10	10	10	Field Supplied	-
Piping Connections								
High Pressure Pipe from Outdoor Unit	Ø, mm (inch)		9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	-	12.70 (1/2)
High Pressure Pipe to AHU	Ø, mm (inch)		9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	-	12.70 (1/2)
Refrigerant								
Type	-		R410A (Fluorinated greenhouse gas, GWP=2088)					
EEV Kit	-		Included	Included	Included	Included	Not included	-
Dimensions								
EEV Wire length	m		2	2	7	7	-	7
EEV Kit Net Dimensions	W x H x D	mm	415 x 102 x 170	415 x 102 x 170	415 x 102 x 170	415 x 102 x 170	-	252 x 41 x 118
Control Box Net Dimensions	W x H x D	mm	380 x 130 x 280	380 x 130 x 280	380 x 130 x 280	380 x 130 x 280	385 x 53 x 275	-

¹ The AHU design specifications are based on 10HP test result under Evaporating Temperature: 7°C, Superheat: 1°C, Air Temperature: 27°CDB/19°CWB

Touch Wired Controller	Premium Wired Controller	Wi-Fi Kit
MWR-SH11N	MWR-WG00JN	MIM-H04EN