



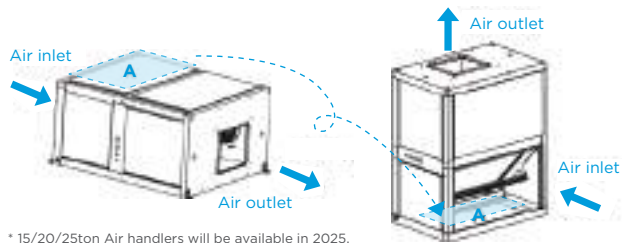
R410A Air Handler

220V-3Ph-60Hz

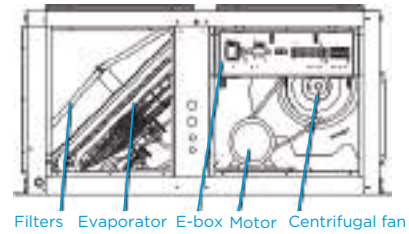


FEATURES

- ◆ 7.5ton and 10ton, dual circuits design, standard with TXV.
- ◆ Flexible installation, horizontal installation and vertical installation are available.



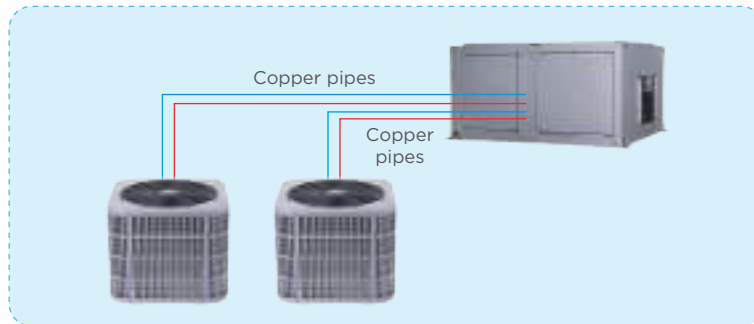
- ◆ 24V universal communication, compatible with 24V condenser units
- ◆ Easy maintenance, Inlet & outlet pipe of evaporator, control box, fan and motor are in same side.



SOLUTIONS

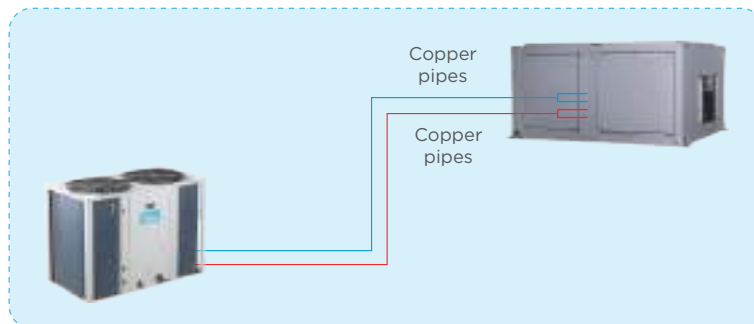
1. Condenser x2 + AHU (24V protocol)

2 condensers can be connected to 1 AHU (24V protocol), each condenser connect to each evaporator circuit.



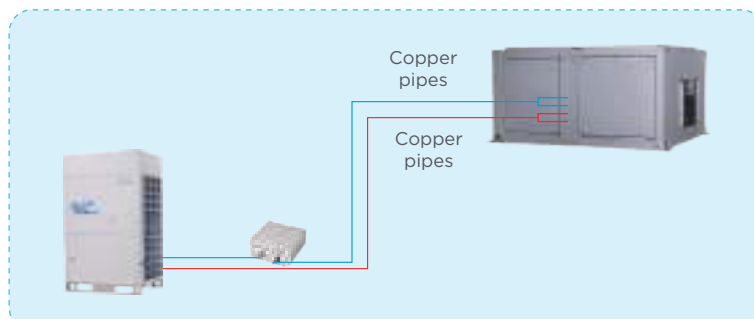
2. Condenser + AHU (24V protocol)

7.5/10tons condensers can be connected to 1 AHU (24V protocol)



3. VRF ODU + kit + AHU (RS485 protocol)

1 VRF outdoor unit can be connected to 1 AHU through AHU kit



SPECIFICATIONS

Indoor Units

Model			MVB-90CWN1-V	MVB-120CWN1-V
Power supply		\	220-3-60	220-3-60
Cooling capacity		Btu/h	88,700	119,400
		W	26,000	35,000
Indoor fan	Material	\	Metal	Metal
	Type	\	Centrifugal fan	Centrifugal fan
Fan motor	Quantity	\	1	1
	Type	\	AC	AC
Indoor Coill	Fin type	\	Hydrophilic aluminum fin	
	Tube type	\	Inner grooved copper pipe	
	Number of circuits	\	2	2
Indoor air flow		CFM	3,000	4,000
ESP		In.wg	0.25(0-0.6)	0.3(0-0.8)
Indoor noise level		dB(A)	56	60
Refrigerant system	Refrigerant type	\	R410A	R410A
	Throttle Type	\	TXV	TXV
	Design pressure	Pa	4.4/2.6	4.4/2.6
	Liquid pipe	in	3/8	3/8
	Gas pipe	in	3/4	3/4
Filter level		\	G3	G3
Wried Controller		\	Optional	
Dimension (W×H×D)		In. [mm]	44-7/8×28-3/8×57-1/8 [1,139×721×1,450]	
Packing (W×H×D)		In. [mm]	45-1/16×34-1/8×57-7/8 [1,145×867×1,470]	
Net/Gross weight		lbs. [kg]	418/487[190/221]	418/487[190/221]
Drain pipe size		\	3/4" NPT Female	3/4" NPT Female

Condenser 5ton

Model			MOV-60CN1-X13
Power supply		V-Ph-Hz	208/230V 3Ph-60Hz
Rated current		A	12.7
Rated input power		W	6368
Noise level		dB(A)	67
Ambient temperature in cooling		°C	12.7~46
		°F	55~115
Compressor	Type	\	Scroll
	Qty	\	1
Refrigerant type			R410A
Refrigerant charged		g	4720
		lb-oz	8 lb - 14 oz
Outdoor motor	Type	\	PSC
	Qty	\	1
	Output horse power	HP	1/3
Outdoor fan	Material		Metal
	Type		Axial flow fan
Outdoor coil	Type	\	Copper tube and aluminum fin
	Number of rows		2
Refrigerant pipe	Liquid side	inch	3/8
	Gas side	inch	7/8
	Max. line length	ft	150
Unit dimension (W*H*D)		mm	740x843x740
		inch	29-1/8×33-3/16×29-1/8
Packing dimension (W*H*D)		mm	768×877×768
		inch	30-1/5×34-1/2×30-1/5
Net/Gross weight		kg	96/101
		lb	212/223

Condenser 7.5/10ton

Model			MOV-96CN1-X1	MOV-120CN1-X1
Power supply		\	208-230V~, 3Ph, 60Hz	
Ambient temperature in cooling		°C	17~52	17~52
Rated input (Outdoor unit)		W	16,700	18,200
Rated current (Outdoor unit)		A	44.4	53.1
Noise level		dB(A)	69	70
Compressor	Type	\	Scroll	Scroll
	Qty	\	1	1
Refrigerant type/charged		\	R410A/6,500g	R410A/7,500g
Fan	Type	\	Axial fan	Axial fan
	Qty	\	2	2
Coil	Type	\	Copper tube and aluminum fin	
	No. of rows	\	3	3
Refrigerant pipe	Liquid side/ Gas side	mm	Φ9.52/Φ22	Φ12.7/Φ25
		inch	Φ3/8/Φ7/8	Φ1/2/Φ1
	Max. pipe length	m	50	50
		ft	164	164
	Max. difference in level	\	25m(O.D. up) /30m(O.D. down)	
Connection wire	Power wire	\	5×16.0mm ²	5×20.0mm ²
	Signal wire (I.D. & O.D.)	\	2×1.0mm ²	2×1.0mm ²
	Signal wire (When double.)	\	3×0.5mm ²	3×0.5mm ²
Dimension (W×H×D)		mm	1,260×908×700	1,260×908×700
		inch	44-1/2 × 35-3/4 × 27-1/2	
Packing (W×H×D)		mm	1,320×1,060×730	1,320×1,060×730
		inch	51-7/8 × 42 × 28-3/4	
Net/ Gross weight		kg	187/204	199/215
		lb	412/450	439/474

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