

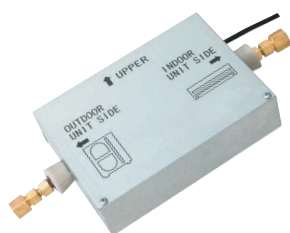
- Single phase power supply
- Compact and lightweight outdoor unit
- High-efficiency DC twin rotary compressor
- Best COP in the industry: 4.61
- Capacity range 12-15.5 kW cooling and 12-18 kW heating
- Extended refrigerant piping capability
- Operates up to nine indoor units from a choice of over 80



MiNi SMMS - Heat Pump VRF 2-pipe Outdoor Unit

MODEL NAME HEAT PUMP	MCY-	MAP0401HT	MAP0501HT	MAP0601HT
CAPACITY RANGE	hp	4	5	6
MAXIMUM NUMBER OF INDOOR UNITS	QTY	6	8	9
Cooling Capacity	kW	12.1	14.0	15.5
Heating Capacity	kW	12.5	16.0	18.0
Operating Range Cooling/Heating	°C	-5 to 43/-15 to 15.5		
Cooling	Power Consumption	2.82	3.47	4.63
	EER/SEER/ESEER	4.29/6.69/6.98	4.03/6.63/6.93	3.35/5.51/5.76
Heating	Power Consumption	2.71	4.00	4.85
	COP/SCOP/ESCOP	4.61/5.37/5.55	4.00/4.67/4.83	3.71/4.68/4.87
Standard Air Flow H	l/s	1617	1700	1783
Standard Air Flow H	m³/h	5820	6120	6420
Sound Pressure Level Cooling/Heating	dBA	49/50	50/52	51/53
Sound Power Level Cooling/Heating	dBA	64/65	65/67	66/68
Main Unit Height/Width/Depth	mm	1340/900/320		
Main Unit Total Weight	kg	117		
Refrigerant Base Charge	kg	7.2		
Suction Gas Pipe Flare (*Brazing)	mm - "	15.9 - 5/8		19.1 - 3/4
Liquid Pipe Flare	mm - "	9.5 - 3/8		
Drain Port Connector Hose Inner Diameter	mm	16		
Maximum Equivalent Length	m	125		
Maximum Real Length	m	100		
Maximum Total Pipe Length (Liquid Line Real Length)	m	180		
Maximum real length to first branch joint	m	65		
Maximum Real Length Of Indoor Unit Connecting Piping	m	15		
Maximum Height Difference Outdoor Higher Than Indoor Units	m	30		
Maximum Height Difference Outdoor Lower Than Indoor Units	m	20		
Maximum Height Difference Between Indoor Units	m	15		
Electrical Characteristic Running Current Cooling/Heating	A	13.2/12.5	16.1/18.3	21.4/22.2
Power Supply Wiring Starting Current	A	1 (Soft start)		
Power Supply		1 phase 230 V 50 Hz		
Suggested Fused Supply(s)	A	20	25	32

Pulse Modulating Valve Kit	RBM-	PMV0363E	PMV0903E
Indoor unit capacity rank		007 - 012	015 - 024
Height/Length/Depth	mm	161/336/58	161/336/58
Weight	kg	2.3	2.5
Standard 6 core connection cable Max. length	m	10	10
Conversion cable Max. length (all indoors except MMK-AP####H type)	m	1	1
Liquid pipes	mm - "	6.4 - 1/4	6.4 - 1/4
Accessory joint Liquid reducer	mm - "	-	9.5 - 3/8 6.4 - 1/4
Real length Min. distance to indoor	m	2	2
Real length Max. distance to indoor	m	10	10
Max. height difference between PMV Kits	m	15	15



ACCESSORIES

RBM-BY55E	VRF 2-pipe Y Joint	SMMSe & MiNi SMMS Capacities below 6.4 hp
RBM-HY1043E	VRF 2-pipe 4-way Header	SMMSe & MiNi SMMS Capacities below 14.2 hp
RBM-HY1083E	VRF 2-pipe 8-way Header	SMMSe & MiNi SMMS Capacities below 14.2 hp
PMV0362E	VRF 2-pipe Valve Kit	MiNi SMMS Capacities 0.8 to 1.25 hp
PMV0902E	VRF 2-pipe Valve Kit	MiNi SMMS Capacities 1.7 to 2.5 hp

* Note: Indoor Connected Capacity 80% to 130% of Outdoor Capacity - Use Data Book for Details.