

- R22 & R407c technology available
- 48 Modular indoor unit maximum, 8 to 48 hp to be combined with up to 135% of the outdoor unit capacity
- Superior EER for reduced energy consumption and increased savings
- State-of-the-art communication bus system with automatically configured addressing
- Added flexibility and control with flow selectors and piping branches
- New patented four blade fan propeller



SMMSi - VRF 2-pipe Heat Pump Outdoor Unit

MODEL NAME HEAT PUMP	MMY-HP	MAP0804HT8P-E	MAP1004HT8P-E	MAP1204HT8P-E	MAP1404HT8P-E	MAP1604HT8P-E
CAPACITY RANGE		8	10	12	14	16
MAXIMUM NUMBER OF INDOOR UNITS	QTY	13	16	20	23	27
Cooling Capacity	(kW)	22.4	28.0	33.5	40.0	45.0
Heating Capacity	(kW)	25.0	31.5	37.5	45.0	50.0
Operating Range Cooling / Heating	(°C)	-5 to 43 / -20 to 15.5				
Cooling	Power Consumption	5.40	7.41	9.55	11.5	13.7
	EER / SEER / ESEER	4.15 / 7.30 / 7.67	3.78 / 6.65 / 6.99	3.51 / 6.38 / 6.72	3.48 / 6.53 / 6.89	3.28 / 6.41 / 6.79
Heating	Power Consumption	5.53	7.50	10.2	11.2	14.2
	COP / SCOP / ESCOP	4.52 / 5.83 / 6.06	4.2 / 5.42 / 5.64	3.68 / 4.87 / 5.08	4.02 / 5.18 / 5.39	3.52 / 4.86 / 5.09
Standard Air Flow H	(l/s)	2750	2917	3217	3333	3617
Standard Air Flow H	(m ³ /h)	9900	10500	11600	12000	13000
External Static Pressure	(Pa)	60		50	40	
Sound Pressure Level H/L	(dBA)	55 / 56	57 / 58	59 / 62	60 / 62	62 / 64
Sound Power Level H/L	(dBA)	77 / 78	78 / 79	82 / 83	82 / 83	83 / 84
Main Unit Height / Width / Depth	(mm)	1830 / 990 / 780			1830 / 1210 / 780	
Main Unit Total Weight	(kg)	242			329	
Refrigerant Base Charge	(kg)	11.5				
Suction Gas Pipe Brazing	(mm / ")	22.2 - 7/8		28.6 - 1 1/8		
Liquid Pipe Flare	(mm / ")	12.7 - 1/2			15.9 - 5/8	
Balance Pipe Flare	(mm / ")	9.5 - 3/8				
Maximum Equivation Length	(m)	210				
Maximum Real Length	(m)	170				
Maximum Total Pipe Length (Liquid Line Real Length)	(m)	300				
Maximum Equivalent Length Of Outdoor Unit Connecting Pipe	(m)	10				
Maximum Real Length Of Indoor Unit Connecting Piping	(m)	30				
Maximum Equivalent Length Between Branches	(m)	50				
Maximum Height Difference Outdoor Higher Than Indoor Units	(m)	70				
Maximum Height Difference Outdoor Lower Than Indoor Units	(m)	40				
Maximum Height Difference Between Indoor Units	(m)	40				
Maximum Height Difference Between Outdoor Units	(m)	5				
Voltage Range Minimum / Maximum	(V)	342 / 456				
Electrical Characteristic Running Current Cooling / Heating	(Amps)	8.5 / 8.8	11.4 / 11.8	14.7 / 16.0	17.7 / 17.6	20.8 / 22.0
Power Supply Wiring Starting Current	(Amps)	Soft start				
Power Supply		3 phase 400v 50Hz				
Suggested Fused Supply(s)	(Amps)	16		25		32

ACCESSORIES

RBM-BT14E	VRF 2-pipe Modular Kit	SMMSi Capacities below 26HP
RBM-BT24E	VRF 2-pipe Modular Kit	SMMSi Capacities 26HP & above
RBM-BY55E	VRF 2-pipe Y Joint	SMMSi & MiNi SMMS Capacities below 6.4HP
RBM-BY105E	VRF 2-pipe Y Joint	SMMSi Capacities 6.4 below 14.2HP
RBM-BY205E	VRF 2-pipe Y Joint	SMMSi Capacities 14.2 below 25.2HP
RBM-BY305E	VRF 2-pipe Y Joint	SMMSi Capacities 25.2HP & above
RBM-HY1043E	VRF 2-pipe 4-way Header	SMMSi & MiNi SMMS Capacities below 14.2HP
RBM-HY2043E	VRF 2-pipe 4-way Header	SMMSi Capacities 14.2 to 25.2HP
RBM-HY1083E	VRF 2-pipe 8-way Header	SMMSi & MiNi SMMS Capacities below 14.2HP
RBM-HY2083E	VRF 2-pipe 8-way Header	SMMSi Capacities 14.2 to 25.2HP
SMMSi-CDUSC	VRF CDU Split Case	For Easier Site Access (Terms & conditions apply)