

- 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
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SMMSi - VRF 2-pipe Heat Pump High Efficiency Outdoor Unit

COMBINATION	MMY-	AP1624HT8P-E	AP2424HT8P-E	AP2624HT8P-E	AP2824HT8P-E	AP3024HT8P-E	AP3224HT8P-E
MODEL NAME HEAT PUMP	MMY-	MAP0804HT8P-E MAP0804HT8P-E	MAP0804HT8P-E MAP0804HT8P-E MAP0804HT8P-E	MAP1004HT8P-E MAP0804HT8P-E MAP0804HT8P-E	MAP1004HT8P-E MAP1004HT8P-E MAP0804HT8P-E	MAP1004HT8P-E MAP1004HT8P-E MAP1004HT8P-E	MAP0804HT8P-E MAP0804HT8P-E MAP0804HT8P-E MAP0804HT8P-E
CAPACITY RANGE	HP	16	24	26	28	30	32
MAXIMUM NUMBER OF INDOOR UNITS	QTY	27	40	43	47	48	48

Cooling Capacity	(kW)	45.0	68.0	73.0	78.5	85.0	90.0	
Heating Capacity	(kW)	50.0	76.5	81.5	88.0	95.0	100.0	
Operating Range Cooling / Heating	(°C)	-5 to 43 / -20 to 15.5						
Cooling	Power Consumption	(kW)	10.89	16.58	18.31	20.27	22.75	21.79
	EER / SEER / ESEER		4.13 / 7.26 / 7.64	4.10 / 7.21 / 7.58	3.99 / 7.01 / 7.37	3.87 / 6.81 / 7.17	3.74 / 6.57 / 6.91	4.13 / 7.27 / 7.64
Heating	Power Consumption	(kW)	11.06	17.18	18.56	20.53	22.71	22.12
	COP / SCOP / ESCOP		4.52 / 5.83 / 6.07	4.45 / 5.75 / 5.98	4.39 / 5.67 / 5.9	4.29 / 5.53 / 5.75	4.18 / 5.39 / 5.61	4.52 / 5.83 / 6.07
Standard Air Flow H	(l/s)	2750+2750	2750+2750+2750	2917+2750+2750	2917+2917+2750	2917+2917+2917	2750+2750+2750+2750	
Standard Air Flow H	(m ³ /h)	9900+9900	9900+9900+9900	10500+9900+9900	10500+10500+9900	10500+10500+10500	9900+9900+9900+9900	
External Static Pressure	(Pa)	60						
Sound Pressure Level H/L	(dBA)	58 / 59	60 / 61	60.5 / 61.5	61.5 / 62.5	62 / 63	61 / 62	
Sound Power Level H/L	(dBA)	80 / 81	80 / 81	80.5 / 81.5	80.5 / 81.5	81 / 82	80 / 81	
Main Unit Height / Width / Depth	(mm)	1830 / 1980 / 780	1830 / 2970 / 780				1830 / 3960 / 780	
Main Unit Total Weight	(kg)	484	726				968	
Refrigerant Base Charge	(kg)	23	34.5				46	
Suction Gas Pipe Brazing	(mm / ")	28.6 - 1 1/8	34.9 - 1 3/8					
Liquid Pipe Flare	(mm / ")	15.9 - 5/8	19.1 - 3/4					
Balance Pipe Flare	(mm / ")	9.5 - 3/8						
Maximum Equivalent Length	(m)	220	235					
Maximum Real Length	(m)	180	190					
Maximum Total Pipe Length (Liquid Line Real Length)	(m)	300						
Maximum Length To First Branch	(m)	100						
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)	17.1 / 17.5	26.0 / 27.3	28.5 / 29.3	31.3 / 32.3	34.9 / 35.6	34.2 / 35.1	
Power Supply Wiring Starting Current	(Amps)	1 (Soft start)						
Power Supply		3 phase 400v 50Hz						
Suggested Fused Supply(s)	(Amps)	16 + 16	16 + 16 + 16				16 + 16 + 16 + 16	

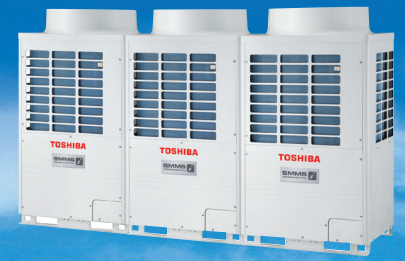
ACCESSORIES

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)

* Note Indoor Connected Capacity 50% to 135% of Outdoor Capacity - Use Data Book for Details

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AP3424HT8P-E	AP3624HT8P-E	AP3824HT8P-E	AP4024HT8P-E	AP4224HT8P-E	AP4424HT8P-E	AP4624HT8P-E	AP4824HT8P-E
MAP1004HT8P-E MAP0804HT8P-E MAP0804HT8P-E MAP0804HT8P-E	MAP1004HT8P-E MAP1004HT8P-E MAP0804HT8P-E MAP0804HT8P-E	MAP1004HT8P-E MAP1004HT8P-E MAP1004HT8P-E MAP0804HT8P-E	MAP1004HT8P-E MAP1004HT8P-E MAP1004HT8P-E MAP1004HT8P-E	MAP1204HT8P-E MAP1004HT8P-E MAP1004HT8P-E MAP1004HT8P-E	MAP1204HT8P-E MAP1204HT8P-E MAP1004HT8P-E MAP1004HT8P-E	MAP1204HT8P-E MAP1204HT8P-E MAP1204HT8P-E MAP1004HT8P-E	MAP1204HT8P-E MAP1204HT8P-E MAP1204HT8P-E MAP1204HT8P-E
34	36	38	40	42	44	46	48
48	48	48	48	48	48	48	48

96.0	101.0	106.5	112.0	118.0	123.5	130.0	135.0
108.0	113.0	119.5	127.0	132.0	138.0	145.0	150.0

-5 to 43 / -20 to 15.5

24.00	25.72	27.68	29.64	32.04	34.19	36.88	38.76
4.00 / 7.04 / 7.41	3.93 / 6.91 / 7.26	3.85 / 6.76 / 7.11	3.78 / 6.64 / 6.99	3.68 / 6.53 / 6.87	3.61 / 6.46 / 6.81	3.52 / 6.35 / 6.69	3.48 / 6.32 / 6.66
24.70	26.06	28.03	30.42	32.70	35.40	38.57	40.80
4.37 / 5.64 / 5.87	4.34 / 5.59 / 5.82	4.26 / 5.50 / 5.72	4.17 / 5.39 / 5.61	4.04 / 5.25 / 5.46	3.90 / 5.08 / 5.29	3.76 / 4.94 / 5.15	3.68 / 4.85 / 5.06
2917+2750+2750+2750	2917+2917+2750+2750	2917+2917+2917+2750	2917+2917+2917+2917	3217+2917+2917+2917	3217+3217+2917+2917	3217+3217+3217+2917	3217+3217+3217+3217
10500+9900+9900+9900	10500+10500+9900+9900	10500+10500+10500+9900	10500+10500+10500+10500	11600+10500+10500+10500	11600+11600+10500+10500	11600+11600+11600+10500	11600+11600+11600+11600
60				50			
62 / 63	62.5 / 63.5	63 / 64	63 / 64	64 / 65.5	64.5 / 66.5	65 / 67.5	65 / 68
80.5 / 81.5	81 / 82	80.5 / 81.5	81 / 82	83.5 / 84.5	85 / 86	83.5 / 84.5	85 / 86

1830 / 3960 / 780

968

46

34.9 - 1 3/8	41.3 - 1 5/8
19.1 - 3/4	22.2 - 7/8

9.5 - 3/8

235	185
190	185
500	
10	50

30

50

70

40

40

5

342 / 456

37.4 / 39.0	39.9 / 41.1	42.7 / 44.1	45.5 / 44.7	49.2 / 51.3	52.5 / 55.5	56.6 / 60.5	59.5 / 64.0
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1 (Soft start)

3 phase 400v 50Hz

16 + 16 + 16 + 16	25 + 16 + 16 + 16	25 + 25 + 16 + 16	25 + 25 + 25 + 16	25 + 25 + 25 + 25
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