SMMSe - VRF 2-Pipe Heat Pump High Efficiency Outdoor Unit

CODE			560	615	1005	1070
Combination		**MMY-**	**AP2026HT8P-E**	**AP2226HT8P-E**	**AP3626HT8P-E**	**AP3826HT8P-E**
Model Name Heat Pump		**MMY-**	**MAP1006HT8P-E MAP1006HT8P-E**	**MAP1206HT8P-E MAP1006HT8P-E**	**MAP1206HT8P-E MAP1206HT8P-E MAP1206HT8P-E**	**MAP1406HT8P-E MAP1206HT8P-E MAP1206HT8P-E**
Capacity Range		**hp**	**20**	**22**	**36**	**38**
Maximum Number of Indoor Units		**QTY**	**45**	**49**	**64**	**64**
Cooling Capacity		kW	56.0	61.5	100.5	107.0
Heating Capacity		kW	63.0	69.0	112.5	120.0
Operating Range Cooling/Heating		°C	-5.0 to 46.0/-25.0 to 15.5	-5.0 to 46.0/-25.0 to 15.5	-5.0 to 46.0/-25.0 to 15.5	-5.0 to 46.0/-25.0 to 15.5
Cooling	Power Consumption	kW	15.4	17.7	30.0	32.3
	EER/SEER/Energy Efficiency Class (or ηsc %)		3.64/6.15/243.0	3.48/6.11/241.4	3.35/6.03/238.2	3.31/5.91/233.4
Heating	Power Consumption	kW	14.8	17.1	29.0	30.5
	COP/SCOP/Energy Efficiency Class (or ηsc(A) %)		4.25/3.54/243.0	4.04/3.61/241.4	3.89/3.67/238.2	3.93/3.63/233.4
Fan(s)	Standard Air Flow H	l/s	2694 + 2694	3389 + 2694	3389 + 3389 + 3389	3389 + 3389 + 3389
	Standard Air Flow H	m^3/h	9700 + 9700	12200 + 9700	12200 + 12200 + 12200	12200 + 12200 + 12200
	External Static Pressure	Pa	60	50	50	50
Sound	Pressure Level C/H	dB(A)	60/61	61.5/63	64/66	64.5/66.5
	Power Level C/H	dB(A)	77/77	81/83	85/87	85/87
Unit(s)	Height x Width x Depth	mm	1830 x 2000 x 780	1830 x 2000 x 780	1830 x 3010 x 780	1830 x 3230 x 780
	Weight	kg	242 + 242	242 + 242	242 + 242 + 242	300 + 242 + 242
	Refrigerant Base Charge	kg	11.5 + 11.5	11.5 + 11.5	11.5 + 11.5 + 11.5	11.5 + 11.5 + 11.5
Pipe Connections	Suction Gas Pipe Brazing	inch	1-1/8	1-1/8	1-5/8	1-5/8
	Liquid Pipe Flare	inch	5/8	3/4	7/8	7/8
	Balance Pipe Flare	inch	3/8	3/8	3/8	3/8
Maximum	Equivalent Length	m	220	220	235	235
	Real Length	m	180	180	190	190
	Total Pipe Length (Liquid Line Real Length)	m	300	300	1000	1000
	Length To First Branch	m	100	100	100	100
	Equivalent Length Of Outdoor Unit Connecting Pipe	m	10	10	10	10
	Real Length Of Indoor Unit Connecting Piping	m	30	30	30	30
	Equivalent Length Between Branches	m	50	50	50	50
	Height Difference Outdoor Higher Than Indoor Units	m	70	70	70	70
	Height Difference Outdoor Lower Than Indoor Units	m	40	40	40	40
	Height Difference Between Indoor Units	m	40	40	40	40
	Height Difference Between Outdoor Units	m	5	5	5	5
Electrical	Voltage Range Minimum/Maximum	V	342/456	342/456	342/456	342/456
	Electrical Characteristic Run Current Cooling/Heating	A	24.20/23.20	27.60/26.60	46.50/45.00	50.50/47.80
	Power Supply Wiring Starting Current		Soft Start	Soft Start	Soft Start	Soft Start
	Power Supply	V/ph/Hz	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
	Suggested Fused Supply(s)	A	25 + 25	25 + 25	25 + 25 + 25	32 + 25 + 25

Accessories

RBM-BT14E	VRF 2-pipe Modular Kit	SMMSe Capacities below 26 hp	
RBM-BT24E	VRF 2-pipe Modular Kit	SMMSe Capacities 26 hp & above	
RBM-BY55E	VRF 2-pipe Y Joint	SMMSe & MiNi SMMS Capacities below 6.4 hp	
RBM-BY105E	VRF 2-pipe Y Joint	SMMSe Capacities 6.4 below 14.2 hp	
RBM-BY205E	VRF 2-pipe Y Joint	SMMSe Capacities 14.2 below 25.2 hp	
RBM-BY305E	VRF 2-pipe Y Joint	SMMSe Capacities 25.2 hp & above	
RBM-HY1043E	VRF 2-pipe 4-way Header	SMMSe & MiNi SMMS Capacities below 14.2 hp	
RBM-HY2043E	VRF 2-pipe 4-way Header	SMMSe Capacities 14.2 to 25.2 hp	
RBM-HY1083E	VRF 2-pipe 8-way Header	SMMSe & MiNi SMMS Capacities below 14.2 hp	
RBM-HY2083E	VRF 2-pipe 8-way Header	SMMSe Capacities 14.2 to 25.2 hp	
SMMSe-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 specific details.

SMMSe - VRF 2-Pipe Heat Pump High Efficiency Outdoor Unit (continued)

CODE			1135	1200	1250	1520
Combination		**MMY-**	**AP4026HT8P-E**	**AP4226HT8P-E**	**AP4426HT8P-E**	**AP5426HT8P-E**
Model Name Heat Pump		**MMY-**	**MAP1406HT8P-E MAP1406HT8P-E MAP1206HT8P-E**	**MAP1406HT8P-E MAP1406HT8P-E MAP1406HT8P-E**	**MAP1606HT8P-E MAP1406HT8P-E MAP1406HT8P-E**	**MAP2006HT8P-E MAP2006HT8P-E MAP1406HT8P-E**
Capacity Range		**hp**	**40**	**42**	**44**	**54**
Maximum Number of Indoor Units		**QTY**	**64**	**64**	**64**	**64**
Cooling Capacity		kW	113.5	120.0	125.0	152.0
Heating Capacity		kW	127.5	135.0	140.0	171.0
Operating Range Cooling/Heating		°C	-5.0 to 46.0/-25.0 to 15.5	-5.0 to 46.0/-25.0 to 15.5	-5.0 to 46.0/-25.0 to 15.5	-5.0 to 46.0/-25.0 to 15.5
Cooling	Power Consumption	kW	34.6	36.9	38.9	46.9
	EER/SEER/Energy Efficiency Class (or ηsc %)		3.28/5.80/229.0	3.25/5.69/224.6	3.21/5.56/219.4	3.24/5.74/226.6
Heating	Power Consumption	kW	32.1	33.6	35.3	45.2
	COP/SCOP/Energy Efficiency Class (or ηsc(A) %)		3.98/3.60/229.0	4.02/3.57/224.6	3.97/3.62/219.4	3.78/3.59/226.6
Fan(s)	Standard Air Flow H	l/s	3389 + 3389 + 3389	3389 + 3389 + 3389	3500 + 3389 + 3389	4972 + 4972 + 3389
	Standard Air Flow H	m^3/h	12200 + 12200 + 12200	12200 + 12200 + 12200	12600 + 12200 + 12200	17900 + 17900 + 12200
	External Static Pressure	Pa	50	50	40	40
Sound	Pressure Level C/H	dB(A)	64.5/66.5	65/67	65.5/67.5	65.5/67
	Power Level C/H	dB(A)	85/87	85/87	85.5/87.5	86.5/88.5
Unit(s)	Height x Width x Depth	mm	1830 x 3450 x 780	1830 x 3670 x 780	1830 x 3670 x 780	1830 x 4450 x 780
	Weight	kg	300 + 300 + 242	300 + 300 + 300	300 + 300 + 300	371 + 371 + 300
	Refrigerant Base Charge	kg	11.5 + 11.5 + 11.5	11.5 + 11.5 + 11.5	11.5 + 11.5 + 11.5	11.5 + 11.5 + 11.5
Pipe Connections	Suction Gas Pipe Brazing	inch	1-5/8	1-5/8	1-5/8	1-5/8
	Liquid Pipe Flare	inch	7/8	7/8	7/8	7/8
	Balance Pipe Flare	inch	3/8	3/8	3/8	3/8
Maximum	Equivalent Length	m	235	235	235	185
	Real Length	m	190	190	190	145
	Total Pipe Length (Liquid Line Real Length)	m	1000	1000	1000	1000
	Length To First Branch	m	100	100	100	100
	Equivalent Length Of Outdoor Unit Connecting Pipe	m	10	10	10	10
	Real Length Of Indoor Unit Connecting Piping	m	30	30	30	30
	Equivalent Length Between Branches	m	50	50	50	50
	Height Difference Outdoor Higher Than Indoor Units	m	70	70	70	70
	Height Difference Outdoor Lower Than Indoor Units	m	40	40	40	40
	Height Difference Between Indoor Units	m	40	40	40	40
	Height Difference Between Outdoor Units	m	5	5	5	5
Electrical	Voltage Range Minimum/Maximum	V	342/456	342/456	342/456	342/456
	Electrical Characteristic Run Current Cooling/Heating	A	54.50/50.60	58.50/53.40	61.40/55.80	73.10/70.00
	Power Supply Wiring Starting Current		Soft Start	Soft Start	Soft Start	Soft Start
	Power Supply	V/ph/Hz	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
	Suggested Fused Supply(s)	A	32 + 32 + 25	32 + 32 + 32	40 + 32 + 32	40 + 40 + 32

Accessories

RBM-BT14E	VRF 2-pipe Modular Kit	SMMSe Capacities below 26 hp	
RBM-BT24E	VRF 2-pipe Modular Kit	SMMSe Capacities 26 hp & above	
RBM-BY55E	VRF 2-pipe Y Joint	SMMSe & MiNi SMMS Capacities below 6.4 hp	
RBM-BY105E	VRF 2-pipe Y Joint	SMMSe Capacities 6.4 below 14.2 hp	
RBM-BY205E	VRF 2-pipe Y Joint	SMMSe Capacities 14.2 below 25.2 hp	
RBM-BY305E	VRF 2-pipe Y Joint	SMMSe Capacities 25.2 hp & above	
RBM-HY1043E	VRF 2-pipe 4-way Header	SMMSe & MiNi SMMS Capacities below 14.2 hp	
RBM-HY2043E	VRF 2-pipe 4-way Header	SMMSe Capacities 14.2 to 25.2 hp	
RBM-HY1083E	VRF 2-pipe 8-way Header	SMMSe & MiNi SMMS Capacities below 14.2 hp	
RBM-HY2083E	VRF 2-pipe 8-way Header	SMMSe Capacities 14.2 to 25.2 hp	
SMMSe-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 specific details.