



## MiNi SMMS-e - VRF 2-Pipe Heat Pump Outdoor Unit/Single Fan VRF 2-Pipe Heat Pump Outdoor Unit

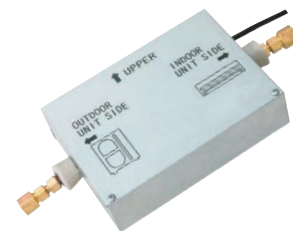
CODE		121	140	121	140	160	
<b>Model Name Heat Pump</b>	<b>MCY-</b>	<b>MHP0406HT-E</b>	<b>MHP0506HT-E1</b>	<b>MHP0404HS-E</b>	<b>MHP0504HS-E</b>	<b>MHP0604HS-E</b>	
<b>Capacity Range</b>	<b>hp</b>	<b>4</b>	<b>5</b>	<b>4</b>	<b>5</b>	<b>6</b>	
<b>Maximum Number of Indoor Units</b>	<b>QTY</b>	<b>8</b>	<b>10</b>	<b>8</b>	<b>10</b>	<b>13</b>	
Cooling Capacity	kW	12.1	14.0	12.1	14.0	15.5	
Heating Capacity	kW	12.5	16.0	12.5	16.0	18.0	
Operating Range Cooling/Heating	°C	-5 to 46/-25 to 15	-5 to 46/-20 to 15	-5 to 46/-25 to 15	-5 to 46/-25 to 15	-5 to 46/-25 to 15	
Cooling	Power Consumption	3.24	4.34	2.83	3.50	4.29	
	EER/SEER/Energy Efficiency Class (or ηsc %)	3.73/8.08/320.2	3.23/7.77/307.8	4.28/9.42/373.8	4.00/9.23/366.2	3.61/9.68/384.2	
Heating	Power Consumption	2.83	3.86	2.59	3.75	4.31	
	COP/SCOP/Energy Efficiency Class (or ηsc(A) %)	4.42/3.83/150.2	4.00/3.86/152.2	4.83/4.17/163.8	4.27/4.24/166.6	4.18/4.37/171.8	
Fan(s)	Standard Air Flow H	1117	1183	1572	1617	1681	
	Standard Air Flow H	m³/h	4020	4260	5660	5820	6050
Sound	Pressure Level C/H	dB(A)	54/57	54/58	49/52	50/53	51/54
	Power Level C/H	dB(A)	71/74	71/75	66/69	68/70	68/71
Unit	Height x Width x Depth	mm	910 x 990 x 390	910 x 990 x 390	1235 x 990 x 390	1235 x 990 x 390	1235 x 990 x 390
	Weight	kg	100	100	127	127	127
	Refrigerant Base Charge	kg	3.3	3.3	6.4	6.4	6.4
Pipe Connections	Suction Gas Pipe Flare	inch	5/8	5/8	5/8	5/8	3/4
	Liquid Pipe Flare	inch	3/8	3/8	3/8	3/8	3/8
Maximum	Equivalent Length	m	60	60	125	125	125
	Real Length	m	50	50	100	100	100
	Total Pipe Length (Liquid Line Real Length)	m	90	90	180	180	180
	Length To First Branch	m	30	30	65	65	65
	Real Length of Indoor Unit Connecting Piping	m	10	10	15	15	15
	Height Difference Outdoor Higher Than Indoor Units	m	15	15	30	30	30
	Height Difference Outdoor Lower Than Indoor Units	m	15	15	20	20	20
	Height Difference Between Indoor Units	m	10	10	15	15	15
Electrical	Electrical Characteristic Run Current Cooling/Heating	A	14.4/13.4	18.7/18.3	13.0/12.0	15.9/17.0	19.2/19.3
	Power Supply Wiring Starting Current		Soft Start	Soft Start	Soft Start	Soft Start	Soft Start
	Power Supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220/240-1-50
	Suggested Fused Supply(s)	A	20	25	20	25	25

### Accessories

RBM-BY55E	VRF 2-pipe Y Joint	MiNi SMMS Capacities below 6.4 hp
RBM-HY1043E	VRF 2-pipe 4-way Header	MiNi SMMS Capacities below 14.2 hp
RBM-HY1083E	VRF 2-pipe 8-way Header	MiNi SMMS Capacities below 14.2 hp
RBM-PMV0363E	VRF 2-pipe Valve Kit	MiNi SMMS Capacities 0.8 - 1.25 hp
RBM-PMV0903E	VRF 2-pipe Valve Kit	MiNi SMMS Capacities 1.7 - 2.5 hp

### Pulse Modulating Valve Kit

	RBM-	PMV0363E	PMV0903E
Indoor Unit Capacity Rank		007 - 012	015 - 024
Height x Length x Depth	mm	161 x 336 x 58	161 x 336 x 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
Power Supply From Local or Group Indoor Unit		12 V DC	12 V DC
Liquid Pipes	inch	1/4	1/4
Accessory Joint Liquid Reducer	inch	-	3/8 - 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





## MiNi SMMS-e - VRF 2-Pipe Heat Pump Outdoor Unit (Continued)

CODE		120	140	160	220	280	
<b>Model Name Heat Pump</b>		<b>MCY-</b>	<b>MHP0404HS8-E</b>	<b>MHP0504HS8-E</b>	<b>MHP0604HS8-E</b>	<b>MHP0806HS8-E</b>	<b>MHP1006HS8-E</b>
<b>Capacity Range</b>		<b>hp</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>8</b>	<b>10</b>
<b>Maximum Number of Indoor Units</b>		<b>QTY</b>	<b>8</b>	<b>10</b>	<b>13</b>	<b>12</b>	<b>16</b>
Cooling Capacity		kW	12.1	14	15.5	22.4	28.0
Heating Capacity		kW	12.5	16	18	22.4	28.0
Operating Range Cooling/Heating		°C	-5 to 46/-20 to 15	-5 to 46/-20 to 15	-5 to 46/-20 to 15	-5 to 46/-25 to 15	-5 to 46/-25 to 15
Cooling	Power Consumption	kW	2.82	3.47	4.25	6.67	9.34
	EER/SEER/Energy Efficiency Class (or ηsc %)		4.29/9.47/375.8	4.03/9.29/167.0	3.65/9.74/172.2	3.36/8.09/320.6	3.00/7.40/293.0
Heating	Power Consumption	kW	2.57	3.72	4.27	5.20	7.00
	COP/SCOP/Energy Efficiency Class (or ηsc(A) %)		4.86/4.19/164.6	4.30/4.25/167.0	4.22/4.38/172.2	4.31/4.50/177.0	4.00/4.38/172.2
Fan(s)	Standard Air Flow H	l/s	1572	1617	1681	2350	2450
	Standard Air Flow H	m³/h	5660	5820	6050	8460	8820
Sound	Pressure Level C/H	dB(A)	49/52	50/53	51/54	58/59	59/60
	Power Level C/H	dB(A)	66/67	68/69	68/70	75/75	77/77
Unit	Height x Width x Depth	mm	1235 x 990 x 390	1235 x 990 x 390	1235 x 990 x 390	1740 x 990 x 390	1740 x 990 x 390
	Weight	kg	125	125	125	147	147
	Refrigerant Base Charge	kg	6.4	6.4	6.4	4.4	4.4
Pipe Connections	Suction Gas Pipe Flare	inch	5/8	5/8	3/4	3/4	3/4
	Liquid Pipe Flare	inch	3/8	3/8	3/8	3/8	3/8
Maximum	Equivalent Length	m	125	125	125	130	130
	Real Length	m	100	100	100	100	100
	Total Pipe Length (Liquid Line Real Length)	m	180	180	180	250	250
	Length To First Branch	m	65	65	65	70	70
	Real Length of Indoor Unit Connecting Piping	m	15	15	15	15	15
	Height Difference Outdoor Higher Than Indoor Units	m	30	30	30	30	30
	Height Difference Outdoor Lower Than Indoor Units	m	20	20	20	30	30
	Height Difference Between Indoor Units	m	15	15	15	15	15
Electrical	Electrical Characteristic Run Current Cooling/Heating	A	4.50/4.20	5.40/5.80	6.70/6.60	11.1/8.7	15.3/11.4
	Power Supply Wiring Starting Current		Soft Start	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	380-415/3/50
	Suggested Fused Supply(s)	A	10	16	16	20	25

### Accessories

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<b>Pulse Modulating Valve Kit</b>	<b>RBM-</b>	<b>PMV0363E</b>	<b>PMV0903E</b>
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Weight	kg	2.3	2.5
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Power Supply From Local or Group Indoor Unit		12 V DC	12 V DC
Liquid Pipes	inch	1/4	1/4
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Real Length Min. Distance To Indoor	m	2	2
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