



Bat wing fan



The patented bat wing fan shape increase the delivery of high volumes of air reducing the air resistance and the vibrations and consequently the noise levels.

The miniSMMS unit is able to cool up to 9 rooms with a single system: the perfect choice for small and mid-size installations.

The energy efficiency at partial load operation contribute to keep very low the seasonal power consumption.

Vector-controlled inverter optimize and control the refrigerant flow and the twin rotary compressor operations.

Compatible with the full range of VRF indoor units for the maximum installation flexibility.

PMV optional kit to perform this function on the refrigerant pipe and not in the unit to further reduce the overall sound.

Small footprint, long pipe length, high lift and horizontal air discharge contribute to perform installation even in confined spaces.

Mini-SMMS

MINI MULTI SYSTEM

VRF OUTDOOR UNIT



OUTDOOR UNITS


- Heat pump
- MCY-MAP0401HT
- MCY-MAP0501HT
- MCY-MAP0601HT

MCY-MAP_HT		Performance data			
Outdoor unit	HP	MCY-MAP0401HT	MCY-MAP0501HT	MCY-MAP0601HT	
Cooling capacity	kW	12,1	14	15,5	
Power input	kW CO	2,82	3,47	4,63	
EER	W/W	4,29	4,03	3,35	
Running current	A CO	13,2	16,1	21,4	
Heating capacity	kW	12,5	16	18	
Power input	kW HP	2,71	4	4,85	
COP	W/W	4,61	4	3,71	
Running current	A HP	12,5	18,3	22,2	
Peak demand current	A	25	28	31	

MCY-MAP_HT		Physical data Outdoor units			
Outdoor unit	HP	MCY-MAP0401HT	MCY-MAP0501HT	MCY-MAP0601HT	
Air Flow	m ³ /h - l/s	5820 - 1612	6120 - 1695	6420 - 1778	
Sound pressure level	dB(A) CO/HP	49/50	50/52	51/53	
Dimensions (HxWxD)	mm	1340x900x320	1340x900x320	1340x900x320	
Weight	kg	117	117	117	
Compressor type		Twin Rotary	Twin Rotary	Twin Rotary	
Refrigerant charge R410A	kg	7,2	7,2	7,2	
Suction line type - diameter		Flare - 5/8"	Flare - 5/8"	Brazeing - 3/4"	
Liquid line type - diameter	CO/HP	Flare - 3/8"	Flare - 3/8"	Flare - 3/8"	
Maximum equivalent length separation*	m	125	125	125	
Maximum actual piping separation*	m	100	100	100	
Maximum total pipe length*	m	180	180	180	
Maximum lift (indoor unit above/below)	m	20/30	20/30	20/30	
Operating range - db	°C CO	-5÷43	-5÷43	-5÷43	
Operating range - wb	°C HP	-15,0÷15,5	-15,0÷15,5	-15,0÷15,5	
Power supply	V-ph-Hz	230-1-50	230-1-50	230-1-50	

* When PMV Kit is used: Maximum equivalent length separation (80 m); Maximum actual piping separation (65 m); Maximum total pipe length (150 m)
CO = cooling mode HP = heating mode

Indoor units number					
Number of indoor units	(Max)	6	8	9	
Total capacity of connectable indoor units	HP (Min)	3,2	4	4,8	
Total capacity of connectable indoor units	HP (Max)	5,2	6,5	7,8	

Technical specifications PMV kit		
	Model Name	Indoor unit capacity code
	RMB-PMV0362E	0,8 - 1,25 HP
	RMB-PMV0902E	1,7 - 2 - 2,5 HP

Indoor units combinations							
Model Name		Cooling capacity	Heating capacity	Number of indoor units		Total capacity of connectable indoor units	
				Max	Min	Min	Max
MCY-MAP0401HT	4 HP	12,1 kW	12,5 kW	6	3,2 HP	5,2 HP	
MCY-MAP0501HT	5 HP	14,0 kW	16,0 kW	8	4,0 HP	6,5 HP	
MCY-MAP0601HT	6 HP	15,5 kW	18,0 kW	9	4,8 HP	7,8 HP	