

R-410A

WIDE RANGE OF INDOOR UNITS



Superior EER and COP

Quiet operation

MiNi-SMMS VRF Outdoor unit

Features

The MiNi-SMMS system has been developed to achieve the best performance in a wide variety of commercial applications including shops, offices and large apartments, where unobtrusive appearance and quiet operation are important advantages.

The extraordinary flexibility of this Toshiba system is guaranteed by the breadth of the range of SMMS indoor units – up to 13 models with a combination of 81 units. MiNi-SMMS can be easily installed.

PMV Kit

- The PMV kit is an option for super-silent operation, available for hotel rooms and residential applications where noise levels are critical
- Ease of installation
- Integral condensate pump
- Low cost

Key features

Best COP (4.61 for 4HP): represents state-of-art energy saving efficiency.

Wide range: up to 9 indoor units may be connected with a single outdoor unit.

DC Twin Rotary compressor delivers high efficiency and complete reliability.

Full SMMS indoor and control units available.

The compact design of the outdoor unit (70% smaller overall than standard VRF unit) means it can be easily installed virtually anywhere; including on a balcony.

Technical specifications heat pump

Outdoor unit	HP	MCY-MAP0401HT		MCY-MAP0501HT		MCY-MAP0601HT	
		4 HP		5 HP		6 HP	
Cooling capacity	kW		12.1	14.0	15.5		
Power input	kW	C	2.82	3.47	4.63		
EER	W/W		4.29	4.03	3.35		
Running current	A	C	13.2	16.1	21.4		
Heating capacity	kW		12.5	16.0	18.0		
Power input	kW	H	2.71	4.00	4.85		
COP	W/W		4.61	4.00	3.71		
Running current	A	H	12.5	18.3	22.2		
Peak demand current	A		25	28	31		
Air flow	m ³ /h – l/s		5820 – 1617	6120 – 1700	6420 – 1783		
Sound pressure level	dB(A)	C/H	49/50	50/52	51/53		
Operating range – db	°C	C	-5 ÷ 43	-5 ÷ 43	-5 ÷ 43		
Operating range – wb	°C	H	-15.0 ÷ 15.5	-15.0 ÷ 15.5	-15.0 ÷ 15.5		
Dimensions (h x w x d)	mm		1340 x 900 x 320	1340 x 900 x 320	1340 x 900 x 320		
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"	Brazing – 3/4"		
Liquid line type – diameter			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 pipe length*	m		180	180	180		
Maximum lift (Indoor unit above/below)	m		20/30	20/30	20/30		
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 pipe length (150 m)

C = cooling mode
H = heating mode

Technical specifications outdoor units

Model Name		Cooling capacity	Heating capacity	Number of indoor units	Total capacity of connectable indoor units	
				Max	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

Technical specifications PMV kit

	Model Name	Indoor unit capacity code
	RBM-PMV0361E	0.8 – 1 – 1.25
	RBM-PMV0362E	For new High wall MMK-AP***3H - 0.8 – 1 – 1.25 HP
	RBM-PMV0901E	1.7 – 2 – 2.5
	RBM-PMV0902E	For new High Wall MMK-AP***3H - 1.7 – 2 – 2.5 HP