MiNi-SMMS System - VRF Heat Pump Outdoor Units

- Single phase power supply
- Compact and light-weight outdoor unit
- High-efficiency DC twin rotary compressor
- **Best COP in the industry: 4.61**
- Capacity range 12-15.5 kW cooling and 12-18 kW heating
- Automatic addressing
- Extended refrigerant piping capability
- Operates up to nine indoor units from a choice of over 80
- Ultra-quiet, utilising remote PMV kit (option)
- All systems achieve energy efficiency class A

MiNi-SMMS

R410A

INVERTER



Rating	hp	4	5	6
Heat pump model MCY		**MAP0401HT**	**MAP0501HT**	**MAP0601HT**
Cooling capacity	kW	12.1	14.0	15.5
Heating capacity	kW	12.5	16.0	18.0
Min.-max. capacity code**	hp	3.2-5.2	4.0-6.5	4.3-7.8
Power input, cooling/heating	kW	2.82/2.71	3.47/4.0	4.63/4.85
Max. running current, cooling/heating	A	13.2/12.5	16.1/18.3	21.4/22.2
EER, cooling/COP heating	kW/kW	4.29/4.61	4.03/4.00	3.35/3.71
Energy label, cooling/heating		A/A	A/A	A/A
Sound pressure level, cooling/heating	dB(A) at 1 m	49/50	50/52	51/53
Sound power level, cooling/heating	dB(A)	62/63	63/65	64/66
UK conditions - cooling capacity	kW	11.59	13.42	14.35
UK conditions - sensible cooling capacity	kW	8.70	10.06	11.14
UK conditions - heating capacity	kW	10.12	12.96	14.58
Refrigerant charge R410A	kg	7.2	7.2	7.2
Dimensions, height x width x depth	mm	1340 x 900 x 320	1340 x 900 x 320	1340 x 900 x 320
Weight	kg	117	117	117
Pipework				
Suction line type - diameter	in	Brazed - 5/8	Brazed - 5/8	Brazed - 3/4
Liquid line type - diameter	in	Flare - 3/8	Flare - 3/8	Flare - 3/8
Maximum equivalent pipe length	m	125	125	125
Maximum actual pipe length	m	100	100	100
Maximum total pipe length	m	180	180	180
Max. height difference - indoor unit below/above**	m	30/20	30/20	30/20
Operating range, cooling	°C	-10 to 43 db	-10 to 43 db	-10 to 43 db
Operating range, heating	°C	-15 to 20 wb	-15 to 20 wb	-15 to 20 wb
Max. operating current per phase	A	13.8	19.1	23.2
Starting current per phase	A	1	1	1
Suggested fuse size per phase	A	16	25	25
Power supply	V-ph-Hz	220/240-1-50	220/240-1-50	220/240-1-50
Suppply to		Outdoor + indoor unit	Outdoor + indoor unit	Outdoor + indoor unit
Interconnecting cables		2-core twisted screened	2-core twisted screened	2-core twisted screened

* Codes are based on individual units and do not take into consideration modular applications
** If the indoor unit is above, maximum lift is reduced to 30 m, if the height difference between indoor units exceeds 3 m.
*** Compatable with 3 senes high wall units only

External PMV valve	Capacity, kW
RBM-PMV0361E	**2.2-3.6**
RBM-PMV0901E	**4.5-5.0**
RBM-PMV0362E* **	**2.2-3.6**
RBM-PMV0902E* **	**4.5-5.0**