

## Super MMS System - Heat Pump Outdoor Units

- Modular design, light weight and compact from 5 to 48 hp, 14 to 150 kW
- High-efficiency DC twin-inverter compressor
- Indoor unit capacity between 50 and 135% of the connected outdoor units
- High EER for reduced energy consumption
- High-lift design, greater location flexibility
- State-of-the-art communication bus system with automatically configured addressing
- Advanced auto-diagnosis system
- Intelligent control and modulating valves
- Outdoor unit dimensions match the S-HRM



Rating	hp	5	6	8	10	12
<b>Heat pump model MMY</b>		<b>MAP0501HT8-E</b>	<b>MAP0601HT8-E</b>	<b>MAP0801HT8-E</b>	<b>MAP1001HT8-E</b>	<b>MAP1201HT8-E</b>
Cooling capacity	kW	14.0	16.0	22.4	28.0	33.5
Heating capacity	kW	16.0	18.0	25.0	31.5	37.5
Min./max. capacity code*	hp	2.5-6.75	3.0-8.1	4.10-8.0	5.0-13.5	6.0-16.2
Power input, cooling/heating	kW	3.65/3.84	4.64/4.56	5.67/5.88	7.68/7.97	11.92/10.19
Max. running current, cooling/heating	A	5.85/6.09	7.28/7.08	8.62/8.93	11.55/11.98	18.30/15.65
EER, cooling/COP heating	kW/kW	3.84/4.17	3.45/3.95	3.95/4.25	3.65/3.95	2.81/3.68
UK conditions - cooling capacity	kW	13.40	15.31	21.44	26.80	32.16
UK conditions - sensible cooling capacity	kW	10.05	12.06	16.08	20.10	24.12
UK conditions - heating capacity	kW	12.95	15.54	20.72	25.90	31.08
Max. number of connectable indoor units		8	10	13	16	20
Refrigerant charge R410A, heating	kg	8.5	8.5	12.5	12.5	12.5
Sound pressure level, cooling/heating	dB(A) at 1 m	55/55	56/56	57/57	58/58	59/59
Sound power level, cooling/heating	dB(A)	68/68	69/69	70/70	71/71	72/72
Dimensions, height x width x depth	mm	1800 x 990 x 750	1800 x 990 x 750	1800 x 990 x 750	1800 x 990 x 750	1800 x 990 x 750
Weight	kg	228	228	258	258	258
Pipe connections						
Suction line type - diameter	in	Flare - 5/8	Brazed - 3/4	Brazed - 7/8	Brazed - 7/8	Brazed - 1-1/8
Liquid line type - diameter	in	Flare - 3/8	Flare - 3/8	Flare - 1/2	Flare - 1/2	Flare - 1/2
Discharge line connection type - diameter	in	Flare - 3/8	Flare - 3/8	Flare - 3/8	Flare - 3/8	Flare - 3/8
Maximum equivalent pipe length	m	175	175	175	175	175
Maximum actual pipe length	m	150	150	150	150	150
Maximum total pipe length	m	300	300	300	300	300
Max. height difference - indoor unit above/below**	m	40/50	40/50	40/50	40/50	40/50
Operating range, cooling	°C	-5 to 43 db	-5 to 43 db	-5 to 43 db	-5 to 43 db	-5 to 43 db
Operating range, heating	°C	-20 to 16 wb	-20 to 16 wb	-20 to 16 wb	-20 to 16 wb	-20 to 16 wb
Max. operating current per phase	A	6.09	7.28	8.93	11.98	18.30
Starting current per phase	A	1	1	1	1	1
Suggested fuse size per phase	A	10	10	16	16	20
Power supply	V-ph-Hz	400-3-50	400-3-50	400-3-50	400-3-50	400-3-50
Supply to		Outdoor unit	Outdoor unit	Outdoor unit	Outdoor unit	Outdoor unit
Interconnecting cables		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.

**NOTE:** Cooling only models available in UK to special order.