

MMY-SAP_HT8P SMMS-E STAND ALONE



Keep all benefits of Toshiba SMMS-e with 50% less pre-charge refrigerant: new intelligent and innovative features that maximise end user comfort and system efficiencies.

Excellence

- Toshiba's in-house designed DC twin rotary compressor offers outstanding capacity, efficiency and comfort even under part load conditions.
- Incorporating Toshiba's latest inverter control for compressor precise regulation, maximum performance and energy savings.
- Outstanding 4-side heat exchanger + sub cooling heat exchanger for optimized efficiency
- Precise refrigerant control to ensure that each indoor unit receives exactly the right amount of refrigerant.

Expansion

- A wide choice of indoor unit styles and capacity ranges to match customer needs and room configurations.

Enhancement

- With up to 235 m in equivalent length, 90 m from the first branch kit to the farthest indoor unit and 70 m height difference, the system is fully adaptable to all project types.

MAX EFFICIENCY



CAPACITY



8HP > 12HP

OPERATION



-25°C > +46°C

For maximum peace of mind should a compressor failure occur, backup operation is available.

The ALL inverter control can be adjusted to compensate for a failed compressor.

SMMS-E STAND ALONE Performances

Outdoor unit	HP	MMY-	SAP0806HT8P-E 8 HP	SAP1006HT8P-E 10 HP	SAP1206HT8P-E 12 HP
Cooling capacity ¹	kW		22.4	28.0	33.5
Power input	kW	C	5.54	7.91	10.31
EER	W/W		4.04	3.54	3.25
EthasC/SEER			249.8% / 6.32	244.2% / 6.18	241% / 6.1
Running current	A	C	8.8	12.4	16.0
Heating capacity ¹	kW		25.0	31.5	37.5
Power input	kW	H	5.66	7.59	9.76
COP	W/W		4.42	4.15	3.84
EthasH/SCOP			148.6% / 3.79	149.4% / 3.81	144.2% / 3.68
Running current	A	H	9.0	11.9	1.1
Maximum overcurrent protection ³	A		25	25	32

SMMS-E STAND ALONE Physical data

Outdoor unit	HP	MMY-	SAP0806HT8P-E	SAP1006HT8P-E	SAP1206HT8P-E
Air Flow	m ³ /h		9700	9700	12200
Air Flow	l/s		2694	2694	3389
Sound Power Level	dB(A)	H	74	74	82
Sound pressure level	dB(A)	H	56	58	61
Sound Power Level	dB(A)	C	74	74	80
Sound pressure level	dB(A)	C	55	57	59
External Static pressure available	Pa		60	60	50
Dimensions (h x w x d)	mm		1830 x 990 x 780	1830 x 990 x 780	1830 x 990 x 780
Weight	kg	HP	227	227	227
Compressor type			Hermetic Twin Rotary	Hermetic Twin Rotary	Hermetic Twin Rotary
Refrigerant charge R410A	kg/TCO2eq		5.7 / 11.9	5.7 / 11.9	5.7 / 11.9
Gas line type - diameter			Brazed - 3/4"	Brazed - 7/8"	Brazed - 1-1/8"
Liquid line type - diameter			Flare - 1/2"	Flare - 1/2"	Flare - 1/2"
Farthest piping equivalent length	m		235	235	235
Farthest piping actual length	m		190	190	190
Maximum pipe length ⁴	m		300	300	300
Maximum lift (indoor unit above/below) ^{5,2}	m		40 / 70	40 / 70	40 / 70
Operating range - db ^{3,4}	°C	C	-10 / 46	-10 / 46	-10 / 46
Operating range - wb ^{7,5,6}	°C	H	-25 / 15.5	-25 / 15.5	-25 / 15.5
Power supply	V-ph-Hz		380 / 415-50	380 / 415-50	380 / 415-50

1) Rated conditions

Cooling : Indoor 27 degC Dry Bulb / 19 degC Wet Bulb , Outdoor 35 degC Dry Bulb, Heating : Indoor 20 degC Dry Bulb, Outdoor 7 degC Dry Bulb / 6 degC Wet Bulb, Based on equivalent piping length of 7.5m and piping height difference of 0m, 2) Indoor above condition: If the height difference between indoor units exceeds 3 m, set 30 m or less, Indoor below condition: If the height difference between indoor units exceeds 3 m, set 50 m or less, Also Extension up till 90m is possible, Be sure to refer the Engineering Databook for details of these conditions and requirements.

3) The unit operates down to an outdoor temperature of -10°C, however cooling performance may decline considerably when total operating capacity of indoor units is less than 4HP while ambient temperature is below -5°C, Consider installation location/surroundings and system design when expected to operate below -5°C, 4) Low ambient cooling (-5 deg C or less) is limited to application.

5) The unit operates down to an outdoor temperature of -25°C, however considerable performance decrease will be expected below -20°C, Consider installation location/surroundings and system design when expected to operate between -20°C and -25°C, 6) Low ambient heating (-20degC or less) for extended periods of time is not allowed.

C: cooling mode - H: heating mode