

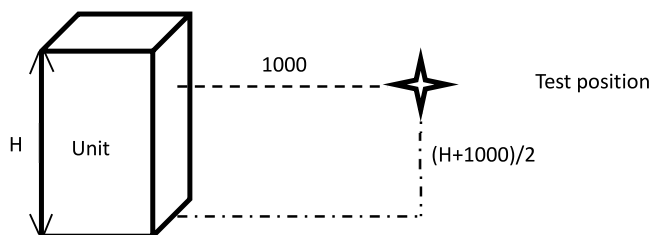
1 Specifications

Model			MH-SU65-RN8L	MH-SU75-RN8L	MH-SU110-RN8L	MH-SU140-RN8L
Power supply		V/Ph/Hz	380~415/3/50	380~415/3/50	380~415/3/50	380~415/3/50
Cooling(A35W7)	Capacity	kW	57	70	100	130
	Input	kW	19.00	26.80	32.78	50.00
	EER		3.00	2.61	3.05	2.60
Cooling(A35W18)	Capacity	kW	76	86	128	138
	Input	kW	20.27	23.12	33.70	36.32
	EER		3.75	3.72	3.80	3.80
SEER			5.00	5.00	4.80	4.80
Heating(A7W65)	Capacity	kW	60	61	100	110
	Input	kW	26.10	26.75	42.90	50.00
	COP		2.30	2.28	2.33	2.20
Heating(A7W55)	Capacity	kW	64	66	106	126
	Input	kW	21.33	22.15	35.30	49.22
	COP		3.00	2.98	3.00	2.56
Heating(A7W45)	Capacity	kW	65	75	110	140
	Input	kW	18.30	22.06	29.90	44.73
	COP		3.55	3.40	3.68	3.13
Heating(A7W35)	Capacity	kW	64	77	112	142
	Input	kW	15.24	19.74	27.00	38.17
	COP		4.20	3.90	4.15	3.72
SCOP(55)average			3.40	3.40	3.25	3.25
SCOP(35)average			4.50	4.50	4.25	4.25
Fan	Type		DC motor	DC motor	DC motor	DC motor
	Quantity		2	2	2	2
	Air flow rate	m³/h	22000	28500	32500	50000
Air side heat exchanger	Type		Fin coil mode	Fin coil mode	Fin coil mode	Fin coil mode
	Row		2	2	2	2
	thickness	mm	0.095	0.095	0.095	0.095
	pipe diameter	mm	7	7	7	7
Water side heat exchanger	Type		Plate heat exchanger	Plate heat exchanger	Plate heat exchanger	Plate heat exchanger
	Water pressure drop	kPa	44	65	39	65
	Volume	L	5.17	5.17	11.1	11.1
	Rated water flow(cooling)	m³/h	9.8	12.04	17.2	22.36
	Rated water flow(heating)	m³/h	11.2	12.9	18.9	24.08
	Water flow range	m³/h	3~14	3~14	5~26	5~26
Refrigerant system	Type		R32	R32	R32	R32
	Charge	kg	9	9	15.5	15.5

Throttle type		EXV	EXV	EXV	EXV
Sound power level (A7W45)	dB(A)	80	86	80	92
Sound pressure level(1m) ¹ (A7W45)	dB(A)	64	69	64	73
Silent mode sound power level(A7W45)	dB(A)	77	82	75	88
Super Silent mode sound power level(A7W45)	dB(A)	74	78	72	85
Net dimensions(W×H×D)	mm	2000X1770X960	2000X1770X960	2220×2300×1135	2220×2300×1135
Packed dimensions (W×H×D)	mm	2085X1890X1030	2085X1890X1030	2250×2445×1180	2250×2445×1180
Net / Gross weight	kg	440 / 455	440 / 455	670 / 690	670 / 690
Water pipe connection	mm	DN50	DN50	DN65	DN65
Ambient temperature range	Cooling	°C	-15 to 48	-15 to 48	-15 to 48
	Heating	°C	-25 to 43	-25 to 43	-25 to 43
	DHW	°C	-20 to 43	-20 to 43	-20 to 43
Water outlet temperature range	Cooling ²	°C	0 to 20	0 to 20	0 to 20
	Heating	°C	25 to 65	25 to 65	25 to 65
	DHW(Heat pump)	°C	30 to 62	30 to 62	30 to 62
	DHW ³	°C	30 to 70	30 to 70	30 to 70

Notes:

1. Sound pressure level is the test average measured in a semi-anechoic chamber. The test position is 1m right in front of the unit for four sides and $(1+H)/2$ m (where H is the height of the unit) above the floor. During in-situ operation, sound pressure levels may be higher as a result of ambient noise.



2. Antifreeze fluid is needed when water temperature is less than 5°C.

3. Heat pump + Electric heater, Electric heater installed in the tank is field supplied.