

unimo ww

CO₂ Heat Pump

MAYEKAWA
MYCOM



**Water Heat Source
CO₂ Heat Pump**

<https://americas.mayekawa.com/mna>

UNIMO WW

Water heat source CO₂ heat pump

BOILER AND CHILLER IN ONE PACKAGE

Supplying 149 - 194 °F hot water and 44 °F chilled water simultaneously.

UTILIZING UNUSED WASTE HEAT

Unused low temperature waste heat from the plant or cooling water can be used as heat source.

COMPACT FOOTPRINT

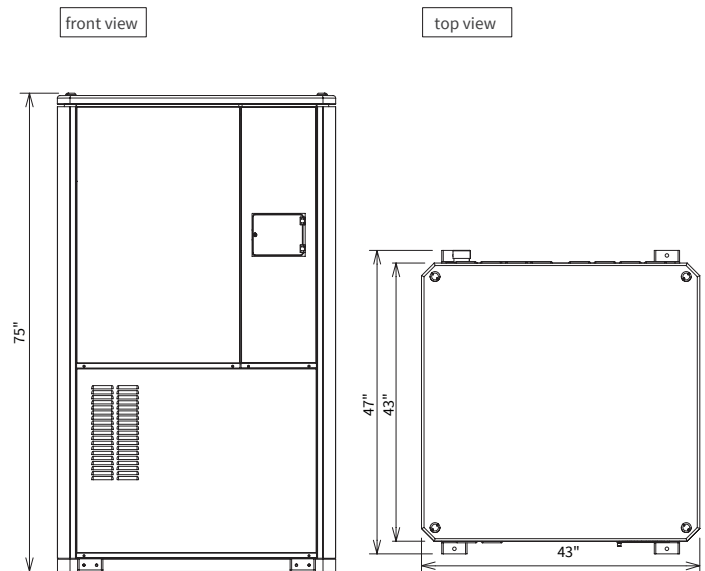
Easy installation with boiler and water chiller in one compact cabinet.

EQUALIZING ELECTRICITY POWER LOAD

Storing hot water and chilled water using off peak tariff of electricity, the peak cut of electricity demand can be achieved.

REDUCING WATER CHILLER POWER CONSUMPTION

Performance of existing water chiller is boosted and power consumption decreased by utilizing its cooling water as a heat source.



DIMENSIONS & SPECIFICATIONS

Dimensions are for reference only. Please contact MYCOM for more detailed drawings.

Model		HE-HWW-2HTC			
Power		3-phase 480V AC 60Hz			
Water heat source		Brine *1	Chilled water *2	Chilled water *3	Heat recovering *4
Capacity*5	Heating capacity (kW)	53.2	85.8	91.9	116.8
	Cooling capacity (kW)	37.9	64.0	69.5	94.8
	Power consumption (kW)	18.4	22.1	22.4	22.7
Outer dimensions (in)		W 43 x L47 x H75			
Weight (lb)		2,170 (net), 2,220 (Operating)			
Compressor	Motor	25kW x 4P			
	Star-up method	Inverter			
External connection	Water inlet	3/4" FPT (20A tap female, SUS316)			
	Hot water outlet	3/4" FPT (20A tap female, SUS316)			
	Chilled water inlet	2" FPT (50A tap female, SUS316)			
	Chilled water outlet	2" FPT (50A tap female, SUS316)			

Heat exchanger		Hot water	Chilled water
Operating ranges	Fluid	Water	Water/Brine
	Inlet temp. (°F)	41 - 149	23 - 98
	Outlet temp. (°F)	149 - 194	16 - 89
	Flow rate (gpm)	1.5 - 9.2	26 - 75
	Water pressure (psi)	36 - 72	14 - 145
	Ambient temp. (°F)	14 - 110	
Color	Enclosure	Munsell N8.0 approximate color	
	Base	Munsell N8.0 approximate color	
Noise	(dBA)	57	
Remarks	*1 Brine temp. in 23°F / out 16 °F, Water temp. 63 °F *2 Chilled water in 54 °F / out 44 °F, Water temp. 63 °F *3 Chilled water in 59°F, Water temp. 63 °F *4 Chilled water in 98 °F / out 89 °F, Water temp. 63 °F *5 Capacity @ hot water supply 149 °F		

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* The information contained herein is for reference only. Subject to change without notice.

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