

Water source heat pump "Eco-Cute"

Highest  
Total COP 9.3

**unimo** WW

Industrial and commercial hot water and chilled water supply

**Boiler and Water chiller all in one machine**

unimo WW performs the functions both of Boiler and Water Chiller all in one machine.

Both 149 - 194 °F hot water and 44 °F chilled water can be supplied simultaneously.

**Effective Utilization of Unused Waste Heat**

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

**Reduction of Existing Water Chiller Power Consumption**

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

**Equalization of Electricity Power Load**

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

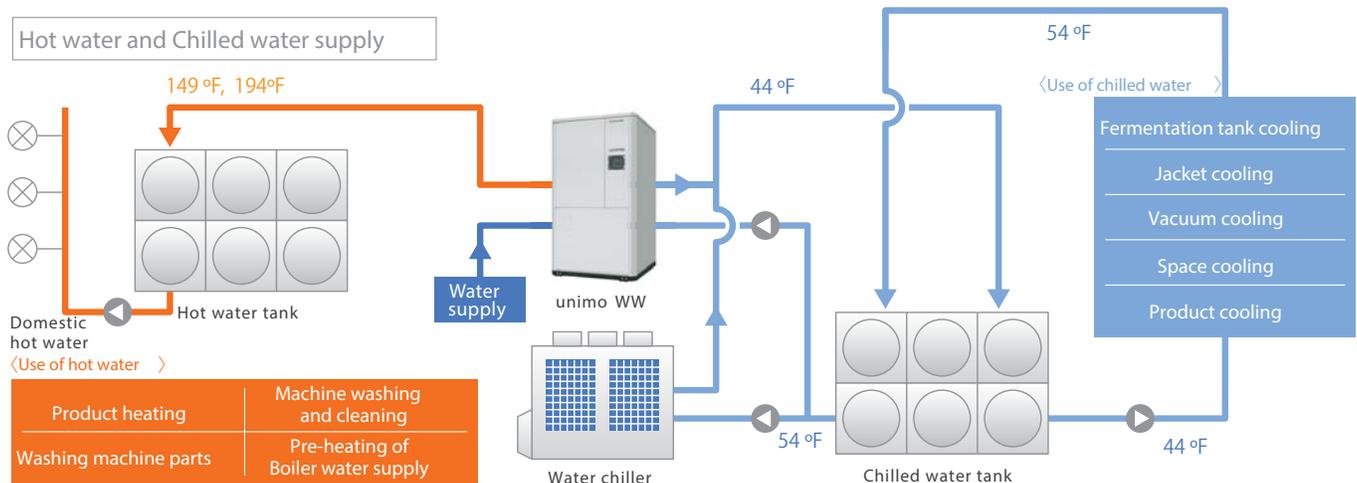
**Compact Footprint**

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



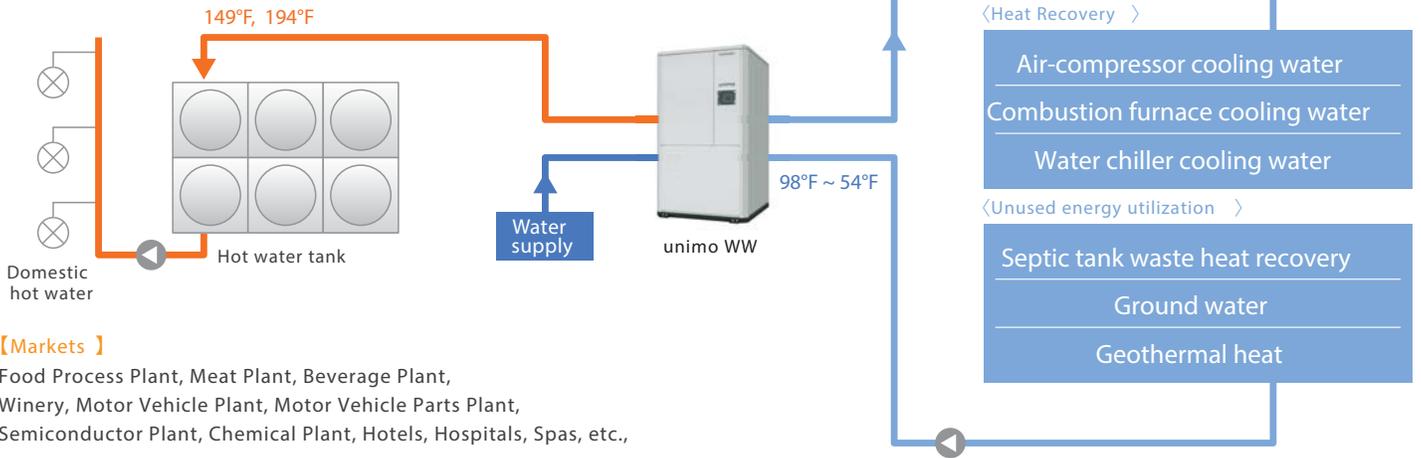
**unimo WW Application1**

Hot water and Chilled water supply



## unimo<sub>ww</sub> Application 2

### Hot water and Chilled water supply



#### 【Markets】

Food Process Plant, Meat Plant, Beverage Plant, Winery, Motor Vehicle Plant, Motor Vehicle Parts Plant, Semiconductor Plant, Chemical Plant, Hotels, Hospitals, Spas, etc.,

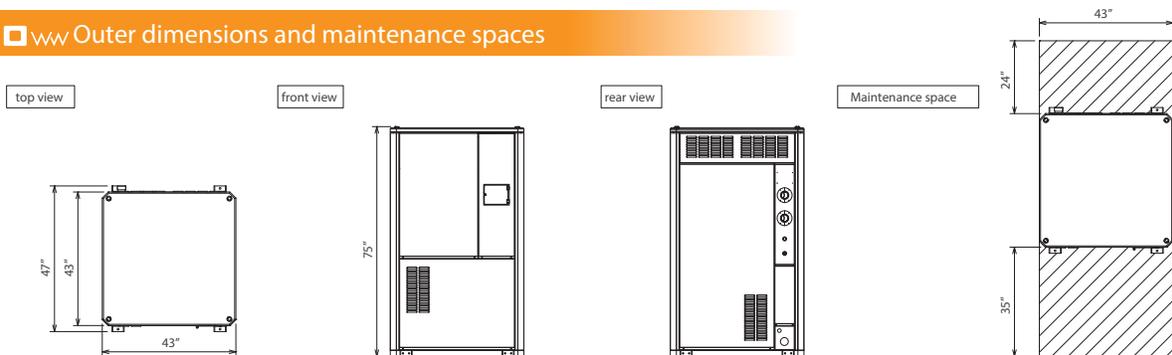
## unimo<sub>ww</sub> Specifications

Model		HE-HWW-2HTC			
Power		3-phase 480V AC 60Hz			
Water heat source		Brine ※1	Chilled water ※2	Chilled water ※3	Heatrecovering ※4
Capacity	Heating capacity (kW)	53.2	85.8	91.9	116.8
	Cooling capacity (kW)	37.9	64.0	69.5	94.8
	※5 Power consumption (kW)	18.4	22.1	22.4	22.7
Outer dimensions (in)		W43 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)			

Note: Please install an approval pressure limiting valve if the inlet water pressure is to exceed the values.

		Heat exchanger	Hot water	Chilled water
Operating ranges	Fluid		Water	Water/Brine
	Inlet temp. (°F)		41 to 149	23 to 98
	Outlet temp. (°F)		149 to 194	16 to 89
	Flow rate (gpm)		1.5 to 9.2	26 to 75
	Water pressure (psi)		36 to 72	14 to 145
	Ambient temp. (°F)		14 ~ 110	
Color	Enclosure	Munsell N8.0 approximate color		
	Base	Munsell N1.0 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 / out 50°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		

## unimo<sub>ww</sub> Outer dimensions and maintenance spaces



**MAYEKAWA**  
**MYCOM**

※ Subject to change without notice.

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