

Cooling pump CH-6000W~18000W

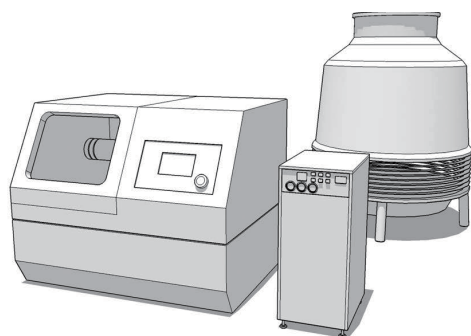
The water-cooled integrated type, ideal for cleanroom. Can be customized based on the following specifications upon request such as compressor output up to 18 kW, etc. from wide option range.

Features

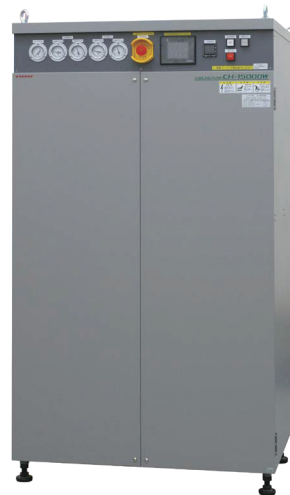
- The water-cooled integrated type is ideal for cleanroom.
- Customizable to upon request as special order.
- The compressor output above 18 kW is available on custom-made.

Main Applications

- The temperature control for Semiconductor manufacturing equipment.

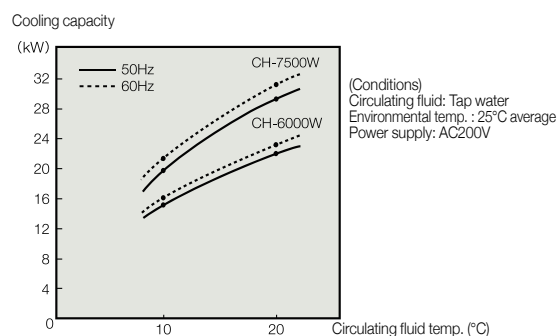


When the water temperature of the cooling tower is not stable during the summer/hot season, by using it as the primary cooling water of water-cooled chiller, a stable temperature cooling water can be obtained. (The cooling tower is actually installed outdoors).



CH-15000W
※The appearance is subject to change.

Pump Characteristic Curves (Reference)



Model	CH-6000W	CH-7500W	CH-9000W	CH-11000W	CH-15000W	CH-18000W
Temperature range	+5°C to +25°C					
Control accuracy (*1)	±2.0 to 3.0°C, Compressor On-Off control					
Cooling capacity [kW] (50/60kHz, Circulation temperature at +20°C) (*2)	22.8/24.4	27.4/29.2	31.9/34.1	40.4/43.1	46.4/49.0	57.4/60.3
Compressor output, Refrigerant	6.0kW, R407C	7.5kW, R407C	9.0kW, R407C	11.2kW, R407C	7.5kW×2, R407C	9.0kW×2, R407C
Pumping capacity (50/60kHz) (*3)	Max. discharge pressure [MPa]	0.32/0.45	0.33/0.47	Ask us		
	Flow rate [L/min]	40/110	83/140	Ask us		
	Motor output [kW]	0.77/1.2	1.02/1.69	Ask us		
Safety device/function	Short/Over current breaker, Overload protector, High and Low temperature, Refrigerant high and low pressure, Overheat protector for Compressor, Phase-reversal relay, Overheat protector for Compressor, Low water cut off, Warning indicator lamp					
Water bath capacity (at 80% water level)	280L	315L	Ask us			
Required primary cooling water rate [L/min] (cooling water temperature: +25°C/+34°C) (*4)	50/64	57/74	75/112	Ask us		
Connecting pipe diameter (circulating fluid in/out, primary cooling water in/out)	Rc1¼, Rc1¼			Ask us		
Dimensions	756×1020×1581Hmm	1107×823×1882Hmm		Ask us		
Weight	Ask us					
Power Supply / Operation current	AC200V · 50/60Hz/three phase *Ask us for more information.					

(*1)Performance may not be maintained due to environmental temperature, heat load, circulation pipe distance etc.

(*2)Capacity when the ambient temperature at below +30°C.

(*3)Capacity when using tap water. Flow rate when the discharge pressure at 0.1MPa.

(*4)The required cooling water flow increases and decreases by the temperature. Please note that if the flow rate does not increase when the temperature is high it may cause trouble.

•Since the water-cooled type requires primary cooling water for cooling, please make sure the specified flow rate being secured. •Pure water is available as an option.

•Please ask us when mixing chemicals for water treatment to circulating fluid. •The fee for Delivery, Installing are quoted separately.