

Cooling pump CH-402N/602N/802B

Air-cooled type CH series with excellent portability for 200 V power supply. Built-in heater makes precise temperature control. Cooling in high temperature range, Wide temperature range, Various outputs, and external sensors are available.

•Pump unit (Sold separately) --> P.200

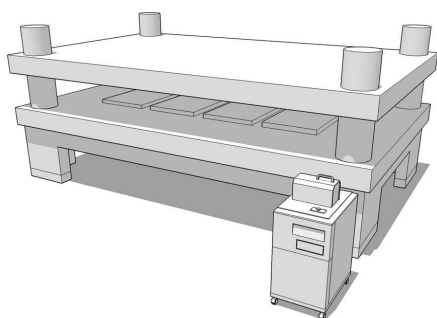
CH-402N/602N



CH-802B



The pump unit is sold separately.



Features

- The air-cooled integrated chiller does not require primary cooling water and plumbing
- The unit type pumps can be selected according to the purpose
- Cooling in high temperature range

Applications

- Temperature control for a machine in the facility equipped with a 200 V power supply
- Precise temperature control for a press working mold

Precise temperature control for the upper and lower stages of the press working mold. Circulate two with one unit is available as an option. It can control the temperature of the upper and lower stages of the press working mold (within the capability).

Model	CH-402N	CH-602N	CH-802B
Temperature range ^{(*)1}	-10°C to +80°C		
Ambient temperature range	+5°C to +35°C		
Control accuracy ^{(*)2}	±0.5°C, Heater PID control		
Compressor output, Refrigerant	400 W, R404A	600 W, R404A	750 W, R404A
Cooling capacity (at 50 Hz) ^{(*)3}	approx. 0.7 kW	approx. 1.0 kW	approx. 1.3 kW
Heater output	1.8 kW	2.25 kW	3 kW
Temperature setting display	Digital input/display(Temp. setting/Tank temp. display are switchable for CH-802B)		
Safety device/function	Circuit breaker/Refrigerator /High,Low temp. abnormality/Pump motor abnormality/Temp.sensor abnormality diagnosis/Tank water alarm/Prevention of empty tank heating/Revers phase relay		
Other Functions	Temperature check monitor, Remote temperature setting, Temperature monitor signal output, Safety device actuation signal output, External temperature sensor connection,RS-485ModBus communication(402N/602N) ^{(*)4}		
Water bath capacity (water level 80%) ^{(*)5}	approx. 26 L		
Applicable pump unit ^{(*)6}	P-320, P-420, P-520		
Dimensions (WxDxH) (Pump unit is not included)	407 × 565 × 766 mm		407 × 565 × 996 mm
Weight (Pump unit is not included)	approx. 70 kg	approx. 70 kg	approx. 75 kg
Power Supply ^{(*)7} (Pump unit is not included)	Three-phaseAC200V/ 50/60Hz 10 A	Three-phaseAC200V/ 50/60Hz 15 A	Three-phaseAC200V/ 50/60Hz 20 A
Operation current (Pump unit is included)	8 A	10 A	15 A
Standard accessories	Power cord, Drain hose × 1 pc, Connector for signal × 1 pc, Metal fittings (only for 802B)		

^{(*)1}When setting below +7°C, please be sure to use antifreeze solution (Please ask us for details).

^{(*)2}Temperature accuracy may not meet due to the influence by the medium, heat load,ambient temp.,piping length etc.

^{(*)3}The value is under condition at circulation temp. +10°C used clear water with no load. Cooling capacity may vary by equipped pumps and decrease at surrounding temp.

^{(*)4}External temperature sensor is available as an option.(Contact us for detail.)

^{(*)5}The liquid may evaporate or decrease depending on set temp. or kind of heat medium since this unit is not a sealed structure.

^{(*)6}Please refer to P.162 for pumps.

^{(*)7}Need a step-down transformer outside when used.