

Cooling pump CH-151AF/601A

Air-cooled type CH series having excellent in portability for 100 V power supply. Ideal for using for cooling and cold water production in the case their calorific values are known.

Pump unit (Sold separately) --> P.182 External dimensions --> P.183



CH-601A

The pump unit is sold separately.

For standard temperature adjustment type and cold water-producing equipment.

Temperature control is simple control by ON / OFF of compressor. Designed to demonstrate the most cooling capacity in the temperature range from -10°C to room temperature. Ideal for cold water production etc. Ideal for in the case their calorific values are known.

Optional pump is the unit type, shortens maintenance time.

Our original vertical leakless pump. The unit type can make shortens maintenance time due to its easy attachment/detachment.

Model	CH-151AF	CH-601A
Temperature range (*1)	-10°C to +25°C	
Ambient temperature range	+5°C to +35°C	
Control accuracy (*2)	±2.0°C, Compressor On-Off control	
Compressor output, Refrigerant	150W, R134a	600W, R404A
Cooling capacity (at 50Hz) (*3)	approx. 0.29kW	approx. 1.0kW
Temperature setting display	Digital system (setting/display switching system)	
Safety device/function	Short/Over current breaker, High temperature cutout, Alarm and warning for compressor, Phase-reversal relay, Alarm and warning for pump motor, Abnormal temperature sensor diagnosing circuits	
Other Functions	Temperature check monitor, Freezer pause timer	
Water bath capacity (water level 80%) (*4)	approx. 14L	approx. 26L
Applicable pump unit (*5)	P-11	P-11, P-21, P-310
Dimensions (Pump unit not included)	407×485×676Hmm	407×565×766Hmm
Weight (Pump unit not included)	approx. 42kg	approx. 69kg
Power Supply (Pump unit not included)	AC100V·50/60Hz, Single-phase	
	15A	20A
Operation current (Pump unit not included)	4A	9A
Standard Accessory	Power code, Drain hose x 1	

(*1)When setting below +7°C, please be sure to use antifreeze (Please ask us what type of).

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

(*3)Capacity when using tap water and the circulating fluid temperature at 10 °C. The capacity varies with the pump unit mounted. The capacity decreases when the ambient temperature above +30°C.

(*4)Due to not the sealed structure, the circulating fluid might evaporates and reduces depending on the set temperature and heating medium type.

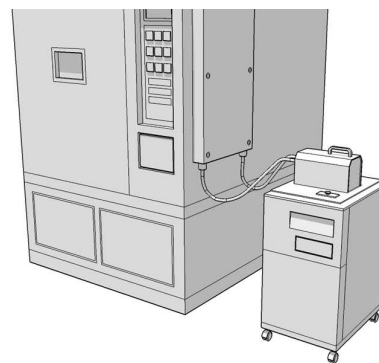
(*5)Please refer the pump units on p182.

Features

- The air-cooled integrated chiller, not requires the primary cooling water and plumbing.
- The unit type pumps can be selected according to purpose.

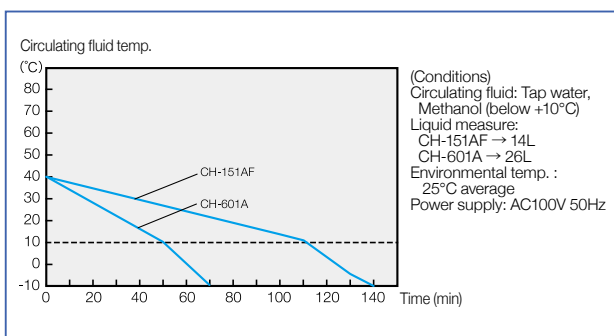
Main Applications

- Temperature control for the machine in the facility equipped with 100V power supply.



Ideal for simple circulation to heat sink etc.

Cooling curve



Cooling capacity curve

