

# 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.

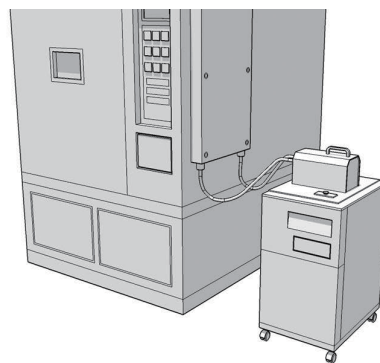
(\*5)Please refer the pump units on p182.

## Features

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

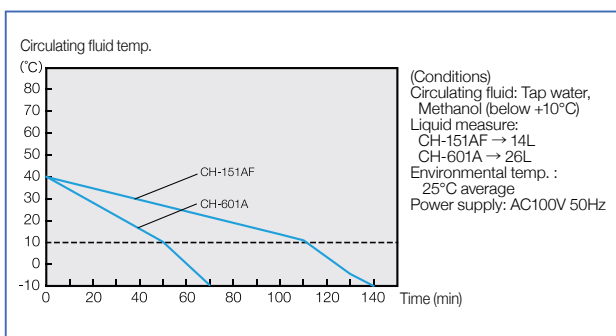
## Main Applications

- 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

