The Standard Small Chiller unit "Compact CH series" supports various industries!

Features

Cooling in High Temp. Range
The compressor continues to operate even at high temp. range to quickly cool the circulating fluid in high temp. range (200 V Precise Temp. control type).

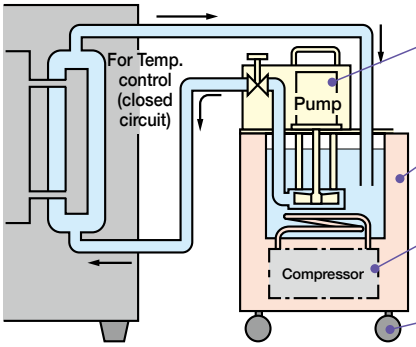
Can be made of stainless steel
The wetted parts of the chiller unit and pump can be made of stainless steel and used with pure water. These modifications are standard equipment in some models and optional in other Custom order models.

Portable & Compact design
Its compact design with casters and Air-cooled compressor (including 1 model of Water-cooled) enable installation and movement with ease.

The attachment/detachment pump enables replacement with ease.
The unit type pump is sold separately and can easily be removed from the chiller unit that controls the temperature for circulating fluid.

TAITEC VOICE
Please note the following matters.

Excellent portable design



The unit type pump is easy to maintain.
Original vertical leak-less pump (See the right page).

Compact size
Even with the largest CH-802B, 407 × 565 × 996H mm

Mainly Air-cooled type, easy to install (including 1 model of Water-cooled).
Easy to install and move it as primary cooling water.
Piping connections are not required.

The casters enable movement with ease.
The metal fittings can be fastened to the floor if necessary (Metal fittings are available in some models).

Standard Temp. Control (Control accuracy : ±2.0°C)

•Air-cooled type for 100 V
•Ideal for using for cooling and cold water production when calorific values are known.

CH-601A --> P.196
•Temperature range: -10°C to +25°C
•Cooling capacity (at 50 Hz): approx. 1.0 kW
•External dimensions (W×D×H): 407 × 565 × 766 mm
•Power supply : Single-phase 100 V

Precise Temp. control (Control accuracy : ±0.5°C)

•Air-cooled type for 100 V
•Precise Temp. control by heater
•Various output and external temperature sensors

CH-151BF

CH-151BF --> P.197
•Temperature range: -10°C to +80°C
•Cooling capacity (at 50 Hz): approx. 0.29 kW
•External dimensions (W×D×H): 407 × 485 × 676 mm
•Power supply: Single-phase 100 V

CH-601B --> P.197
•Temperature range: -10°C to +80°C
•Cooling capacity (at 50 Hz): approx. 1.0 kW
•External dimensions (W×D×H): 407 × 565 × 766 mm
•Power supply: Single-phase 100 V

Precise Temp. control (Control accuracy : ±0.5°C, Air-cooled type for 200 V)

•Air-cooled type for 200 V •Precise Temp. control by heater •Various output and external temperature sensors

CH-402B

CH-402B/602B --> P.198
•Temperature range: -10°C to +80°C
•Cooling capacity (at 50 Hz): approx. 0.7/1.0 kW
•External dimensions (W×D×H): 407 × 565 × 766 mm
•Power supply: Three-phase 200 V

CH-802B --> P.198
•Temperature range: -10°C to +80°C
•Cooling capacity (at 50 Hz): approx. 1.3 kW
•External dimensions (W×D×H): 407 × 565 × 966 mm
•Power supply: Three-phase 200 V

The pump unit can be selected according to required capacity. See the correspondence table for optional pump unit.

Types and abilities of the pump unit (Optional/sold separately)

Pump unit P-310 

Pump unit P-320 

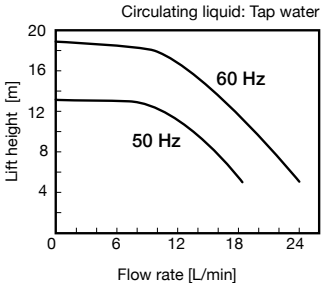
Pump unit P-420 

Pump unit P-520 

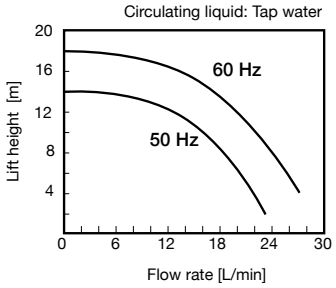
Discharge pressure	Model	Max. head (at 50 Hz)	Max. flow (at 50 Hz)	Number of circuit	Power supply	Applicable model	Remarks	Page
Low ↑ ↓ High	P-310	12.5 m	19 L/mim	1	100 V	CH-601A CH-601B	The wetted parts are made of stainless steel.	P.200
	P-320	14 m	23 L/mim	1	200 V	CH-402B/602B/802B	The wetted parts are made of stainless steel.	
	P-420	20 m	25 L/mim	1				
	P-520	13 m (Tap water)	23 L/mim (Tap water)	1			The wetted parts are made of stainless steel. Usable heating medium: Tap water, Antifreeze (Show Brine Blue) and Galden®.	

Pump ability curve Our original vertical leakless pump --> P.200

[P-310]



[P-320]



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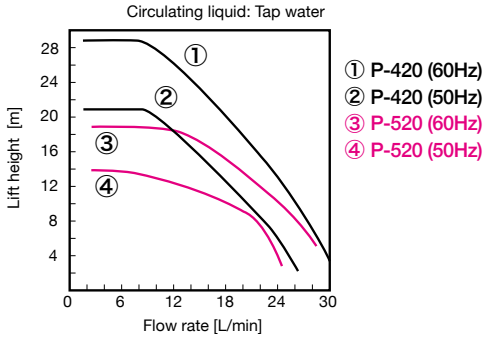


Easy attachment/detachment, Power supply from the main unit can be attached up to 2 units (Except for P-310/520)

The connector for the pump unit (Power・Signal)

Used for the second pump unit

Up to 2 sets of pump units can be mounted on the Compact CH series. *The second pump unit can be mounted for an extra cost if the chiller unit has enough cooling capacity.

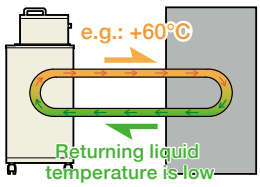
A modified pump unit with further capacities (Pump head and Flow rate) can be mounted.

Modified pump unit that can meet the required specs is available. (Please ask us the price and more information).

◀ Example of a mounted Modified pump unit

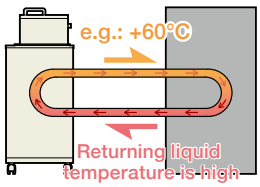
Cooling in high temperature range

[Heating control]



For temperature control in high temperature range. The general chiller is only for heating control.

[Cooling control]



Cooling in high temperature range is required in this temperature control.

Example of external input/output

Terminals on the side of CH-602B

The external sensor (sold separately) is a rod type of ϕ4 mm × 250 L mm (with D-sub connector). Custom-made type is also available. When setting temperature externally, connect it to the terminal of the D-sub connector so that the voltage value of the set value can be input. In addition, the minus sides of the remote temperature setting and the temperature monitor output should be wired separately.