

## "Simple series" created from various supply records and requests.

### Features and Advantages ~ Various Pump Capacity ~

#### Diverse optional accessories

All options except the standard specifications are available. Diverse pump unit specifications depending on the Flow rate, Pump head, and Materials (see the right page) are available to user's various needs. Also, Upgrade for Pure water, Precise temp control, etc. are available. The Simple series can reduce wasteful spending by adding the minimum necessary upgrades.

#### Space saving

Save installation space by 65% compared with a conventional one. Contributes to installation space saving and flexibility in the factory layout while remaining at cooling capacity.

#### Capacity expansion

The compressor output can be expanded to more than 6 kW or 7.5 kW that is listed in this catalog as per request such as 11 kW, 15 kW, 13 kW or so. Please ask us for details.

#### We will take care of your problems and requirements

##### Diverse Options help your problems and respond to your requirements.

- Want to save on a water rate for the Chiller unit.
- Want to secure a stable temperature cooling water.
- Want to operate several Chiller units.
- Want to prevent Red water from the Chiller unit.
- Want to use circulating fluid in the cleanroom.
- Want to use a Chiller with High-powered pump unit.

#### ■ Safety operation thanks to the warning indicator



The warning indicator that is equipped in all models will be activated individually in case of an emergency in order to deal with it promptly.

### The details of Diverse options

The lineup of the "Simple series Chiller unit" are Four types of air-cooled and Three types of water-cooled. The series consists of basic functions and capabilities that can be extended per the customer's request as an option. The functions and usage can be customized to your preference in order to prevent waste spending by adding the minimum upgrades as necessary. This is the concept for the "Simple series".

The variations of pumping capacities for the standard 7 models are as shown on the right depending on the options.

Optional Accessories	
<b>Enhancement for the precision of temperature control</b>	Hot gas bypass control ( $\pm 1.0^{\circ}\text{C}$ )
	Pulse width modulation expansion valve ( $\pm 0.5^{\circ}\text{C}$ )
<b>Enhancement for the pumping capacity</b>	High flow / High pump head / Stainless steel, Bronze Casting
<b>Safety devices / functions added</b>	No-fuse breaker
	Short circuit breaker
<b>Materials of wetted part changed</b>	Cooling coil (Stainless steel) • For Pure water
	Piping for Antifreeze
	Ball tap
<b>CUSTOM-MADE</b>	Remote control box
	Fan speed controller (Noise reduction by revolving speed control for cooling fan)
	Heater loaded
<b>Safety measure</b>	Fixing brackets

### Delivery, Installing, and Piping work

#### TAITEC VOICE



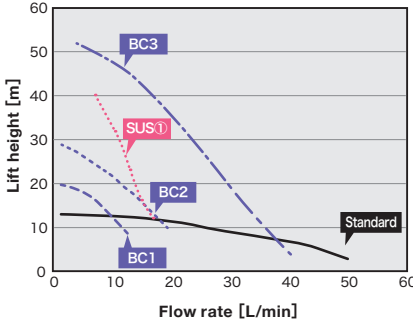
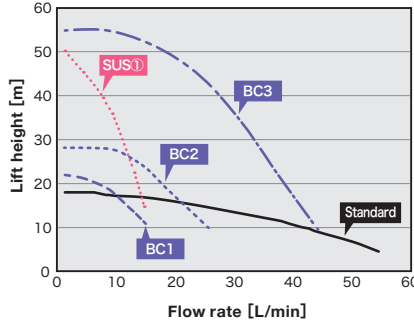


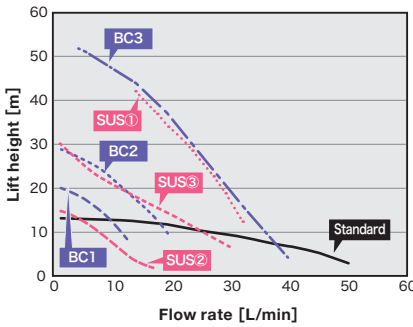
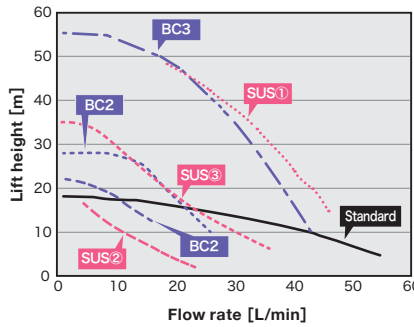


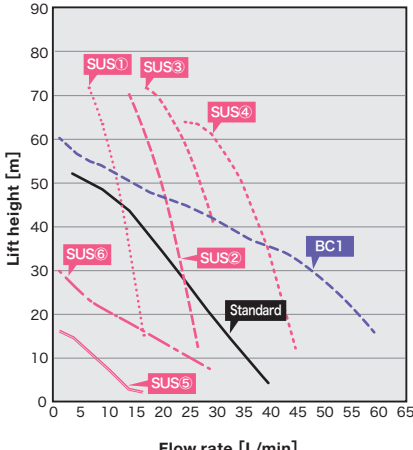
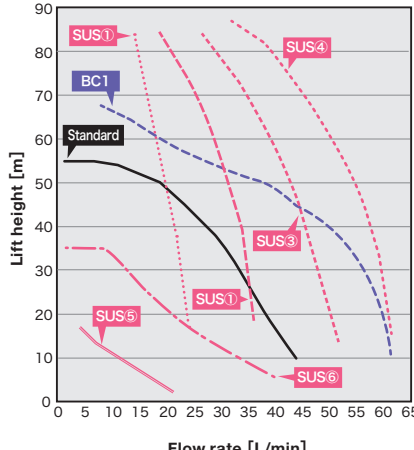


Please note the following matter.



The fee for Delivery, Installing, Piping work, and Wiring work are quoted separately.

### Model Selection by Pump Characteristic Curves

The "Standard" showed below is the standard pump characteristic mounted on the chiller unit. Each of the "BC1-3" "SUS①-⑥" has an the optional pump characteristic.

Air-cooled type	Water-cooled type	Pump Characteristic Curves	
<b>CHA-500</b> --> P.186 	— 	<b>at 50 Hz</b> 	<b>at 60 Hz</b> 
<b>CHA-900</b> --> P.186 	<b>CHW-900</b> --> P.187 	<b>at 50 Hz</b> 	<b>at 60 Hz</b> 
<b>CHA-1500</b> --> P.186 	<b>CHW-1500</b> --> P.187 	<b>at 50 Hz</b> 	<b>at 60 Hz</b> 
<b>CHA-2200</b> --> P.186 	<b>CHW-2200</b> --> P.187 	<p><b>Pump variations of CHA-1500/2200 and CHW-1500/2200 are common.</b></p>	

● Protuberances are not included in the Dimensions. ● Vessels of photos are not included.

Selection guide

- Constant temperature incubator/shaker
- CO<sub>2</sub> incubator/shaker
- Shaker
- Mixer/Rotator/Stirrer
- Bead beater/homogenizer/Ultrasonic homogenizer
- Aluminum block bath/Minimize bath
- Water bath/Shaking water bath/Immersion cooler
- Hybridization oven/Constant temperature chamber
- Centrifugal concentrator/Cold trap
- Freeze dryer
- Electrophoresis and Blotting apparatus
- Constant temperature water circulating system [Chiller]
- Appendix