

UNDER SINK WATER CHILLER

User's manual

MODEL : C12E

We are deeply appreciate that you have purchased our built-in water chiller that is made for the use of kitchen utilities. To ensure your security, carefully read this Installation / User's manual and then use.

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Note

1. Be sure to use this chiller as described in this Installation / User's manual.
2. Be sure to use with drinkable water.
3. If the supply cord is damaged, it must be replaced by the manufacturer or service agent or a similarly qualified person in order to avoid a hazard.
4. Serious damage could result if incorrect power supply is used.
5. The plumbing should be installed only by a licensed plumber.
6. When connecting the power, do not use the multiple power connecting socket.
7. Using irregular voltage may cause a fire.

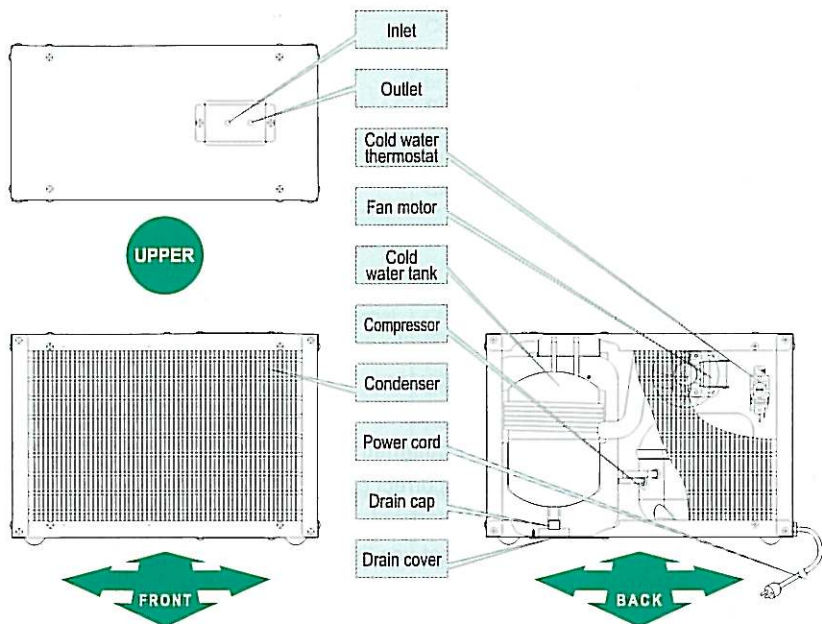
Specification & Part Identification

The appearance or product specification can be changed without prior notices in order to enhance its quality.

Model		C12E
Dimension		408 * 205 * 278 (mm)
Weight		12.5 kg
C O L D	Consumption	120 W
	Temp. Control	AUTO
	Tank	1.8 ℓ (made of stainless steel)
	Capacity	4.5 ℓ/hr (10℃)
Acceptable Water Pressure		100 ~ 700 kPa (15 ~100 psi)



• This chiller is designed to normally operate when the water pressure is between 100 and 700kPa(around 15~100psi). The manufacturer accepts no liability for damage caused by excessive water pressure.



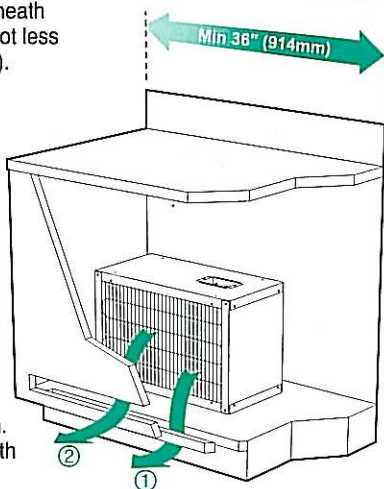
Installation

1. This unit is intended to be installed underneath a conventional kitchen sink, in a cabinet not less than 36" (914mm) wide (inside dimension).

Chiller may be installed in any location in the cabinet base as long as there is a minimum of 5" (127mm) between unit and cabinet walls. In order to have the necessary air exchange for the unit, a free air opening of at least 60 square inches (387 cm²) should be provided in the kitchen counter.

The opening should be located as close to the unit as possible and can be made in the '①toe space of the counter' or '②above the toe space'.

2. Connect ¼" OD tubing with pressure rating suitable for use with the application. The tubing must be acceptable for use with potable water. Flush water in lines before installing gooseneck faucet.
3. Make sure power supply is identical in voltage, cycle, and phase to that specified on cooler serial plate. All electrical connection must comply with current wiring rules.



Start-up

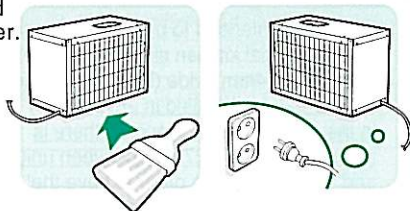
- Step 1. Open supply line valve.
- Step 2. Purge air from all water lines by operating valve of gooseneck faucet to which chiller is connected. Steady stream assures all air is removed.
- Step 3. Connect to electrical power.

Caution

1. These products are designed to operate lower than 700kPa supply line pressure. If inlet pressure is above 700kPa, a pressure regulator must be installed in supply line.
2. Do not remove the cover of the cooler under any circumstances without first isolating the chiller from the power supply.
3. If a grounding terminal is absent from the outlet, connect a single-core cord (a flexible copper wire of over 1.6mm in diameter) to the grounding terminal in the chiller and to a copper plate (over 0.7mm in thickness and 900cm² in area) and bury it into the ground as deep as 75cm. "Never connect the grounding wire to a water or gas pipe."
4. Any servicing should be performed by a qualified personnel.

Maintenance

1. Condenser should be periodically cleaned with brush, air hose or vacuum cleaner. Excessive dirt or poor ventilation may cause no cold water or inefficient cooling cycle.
2. Disconnect the power supply during cleaning and inspection to avoid the dangers of electric shocks.



Troubleshooting

Problem	Cause	Remedy
No Water Flow Inconstant Flow	It has problems in supplying water.	Check the inlet water valve that controls water supply. If this is ineffective, contact a qualified engineer.
	Water in the water tank may be frozen.	Turn the lever of thermostat with a quarter counterclockwise.
No Cold Water (Compressor does not run.)	The plug is unplugged.	Connect the plug into an electrical outlet.
	It has problems in power supplying including an electrical outlet, etc.	Check an electrical outlet and a circuit breaker. If any problems are not found, contact a qualified engineer.
No Cold Water (Compressor runs.)	Temperature is adjusted somewhat high.	Turn the lever of thermostat with a quarter clockwise.
	Wire condenser is dirty.	Clean the wire condenser according to the instruction manual.
Too Cold Water	Temperature is adjusted too low.	Turn the lever of thermostat with a quarter counterclockwise.
Odd Taste and Smell in Water	Mineral concentration of supplied water is somewhat high.	This product does not include filters. Change the existing filter or use a proper one.
	No use for a long time.	Continue to let the water flow until it runs clear.
Strong Water Flow	When using a water pressure regulator.	Adjust a regulator according to it's manual or contact a qualified engineer.
	Supplied water pressure is set up too high originally.	Install a regulator that can control the pressure or contact a qualified engineer.
Slow & Weak Water Flow	Supplied water pressure is set up too low.	Contact a qualified engineer.