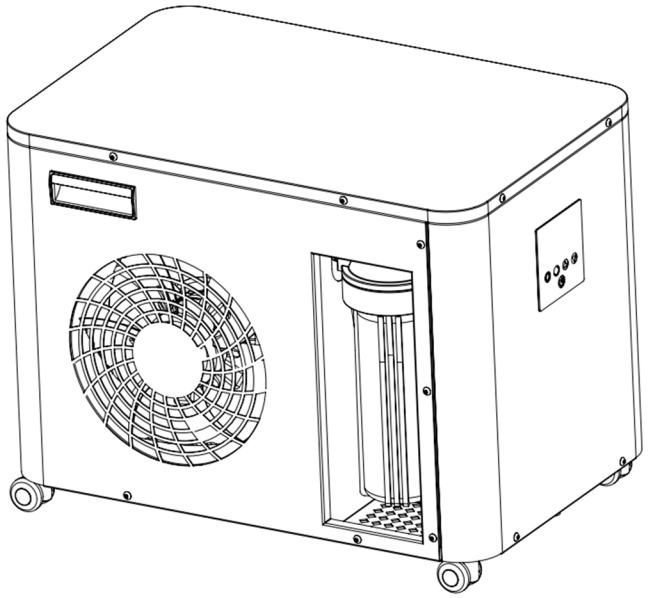
ALLRECOVERY

Operating Instructions

ICE BOX CHILLER



Preface

Thank you for choosing smart chiller. We are honored that you trust our chiller. In order to let you fully understand our products and use them conveniently, we have specially prepared this user manual. Please read this manual for installation reference before use.

Features

1. High Efficiency and Energy Saving
The chiller adopts energy-saving cooling and heating technology, capable of providing stable and efficient hot and cold water supply while reducing energy consumption.

2. Precise Control
Through the intelligent control system, users can set the temperature range and flow rate as needed, achieving precise temperature and flow control to meet the requirements of various scenarios.

3. Safety and Reliability
The chiller is equipped with multiple safety protection devices such as over-heating protection, over current protection, and leakage protection to ensure the safe and reliable operation of the equipment.

Specifications

Item \ Model			Chiller 1Hp
Cooling capacity		kW	2.600
		10^3kcal/h	2.235
Heating capacity		KW	3.416
		10^3kcal/h	2.937
Power voltage		V/Hz	100-120V/60Hz
Power supply		KW	1.130
Rated current (cooling mode)		A	9
Compressor consumption		KW	0.955
Water pump	Power	KW	0.12
	Water head	m	10
Water	Flow rate	m^3/h	1.5
	Conne-ction	DN	25
Noise		dB(A)	63
Weight		kg	41.5
Dimen-sion	Length	mm	619
	Width	mm	402
	Height	mm	475

-Power Supply: 110V AC, 60Hz
-Temperature Setting Range: 3°C to 40°C
-Operating Ambient Temperature: 10°C to 40°C
-Operating Relative Humidity: 0% to 95% (non-condensing)
-Built-in Filter: 20-micron pleated paper filter

Operating

Line controller interface

	Mode key / lock screen key		Timed key
	WiFi		"+" Key
	Deicing		"-" Key
	Anti-Virus		Open the key
	Fan		Hitch
	Locking key		

Line controller

A.Power supply and screen lock

If the unit does not have any input operation for 60 seconds, the wired controller display will enter the sleep state, the screen will automatically lock, and the screen " " icon will light up.

Unlock: Press and hold the button " " for 3 seconds in the locked state until a "beep" sounds to unlock and the icon" "turns off.

Click " " key, the wire controller to switch boot / shutdown status, the wire controller displays OFF.

B.Temperature setting

In the power-on state, press " " or " " button to adjust the set temperature.

C.Failure display

When a fault occurs, the corresponding code appears. When the fault is eliminated, the code will disappear.

Sterilization:

The ozone sterilization cycle operates automatically:
20 minutes ON, followed by 60 minutes OFF. This cycle repeats continuously.

List of error codes

Error code	Description	Solution
E01	Exhaust temperature failure	Please contact the manufacturer
E05	Fault of coil temperature	
E09	Return temperature failure	
E19	Water inlet temperature failure	
E18	Outflow temperature failure	
E13	Cooling coil temperature failure	
E21	Communication failure	
E22	Environmental temperature failure	
P01	Fault of flow switch	Please check whether the water circuit is operating normally
P11	Exhaust temperature protection	Please keep the air in the chiller open
P15	Prevent the excessive tempe-rature difference between the inlet and outlet water	Check the pump for working properly
P25	Environmental temperature protection	Please keep the air in the chiller open

Clock setting

On the main interface, long press the "  " key for 3 seconds to enter the real-time clock setting interface. Clock hours and minutes flash together.

In the real-time clock setting interface, press the "  " key, then the number of the hour part flashes, the minute part stops flashing, and press the "  " key or "  " key to set the hours of the real-time clock.

When the hour part is set, press "  ", the number of the minute part flashes, the hour part stops flashing, and press "  " or "  " key to set the minutes of the real-time clock.

When the minute part is set, press the "  " key to confirm the real-time clock setting and return to the main interface.

In the real-time clock setting interface, press the "  " key to confirm the current real-time clock setting value and return to the main interface.

In the real-time clock setting interface, confirm the current real-time clock setting value and return to the main interface.

A.Real-time clock setting

Under the main interface, press the "  " key to enter the setting interface of the timing group.

When entering the timing time setting interface, the timing group 1 flashes, and there are 2 timing time groups.

When the timing of section 1 flashes, press " " key to enter the hour setting interface of the timing start time of time 1 group, and the number of the hour part of the timing start time flashes, then press " " key or " " key to set the start hours of time 1 group.

When setting the hour part of the timing boot, then press the " " key, the number of the minute part of the timing boot time flashing, then press the " " key or " " key, can set the timing 1 set of boot minutes.

When the minutes of timing 1 startup is set, press " " again to enter the hour setting of timing 1 shutdown. The setting method is the same as above.

When the timing shutdown time is set, press the " " key to confirm the setting timing switch time of the current group. Press the " " key or " " key to enter the setting of the next timing switch time. The setting method is consistent with the timing 1 group.

B.Turn and close the timing switch

Under the main interface, press " " key to enter the setting interface of the timing group, press " " key or " " key to select the timing group to be set, and press " " key for 3 seconds to enable or close the timing function of the current period.

Note: After the timing function is successfully set, the linear controller will display the timing icon" " of the corresponding timing group. In a set of timing time settings, if the time of the timing shutdown is the same, the timing on / shutdown of the group is invalid.

Key to lock

a. Automatic lock

If the unit lasts for 60 seconds without any input operation, the wire controller display screen will enter the dormant state, and the screen will automatically lock, and the screen icon " " will light up.

b.Manual lock

On the main interface, under the unlocking state, after pressing the " " key for 3 seconds, the buzzer "beep" rings, manually lock and light the " " icon

c. Un-locking

In the lock machine state, long press " " key for 3 seconds, the buzzer "di" ring, remove the lock key, " " icon off.

Wireless network function and operation instructions

A.WiFi linkage

Quick connection mode: " " "Key +" " "key for 3 seconds, enter the fast connection mode, the main screen WiFi image flashing;

(Scan the QR code to get the app)

Download the “Smart life app” in Apple Store

B.System parameters restore factory setting (only for shutdown)

Under the main interface of shutdown state, press " " + " " key for 3 seconds to restore the value of unit user parameters and factory parameters to the default state of factory parameters.

Under the main interface of shutdown " " "state, long press and " " and " " keys for 3 seconds to reset all parameters.

C.Switch Fahrenheit and Celsius

Press and hold the main interface press " " + " " key for 3 seconds.

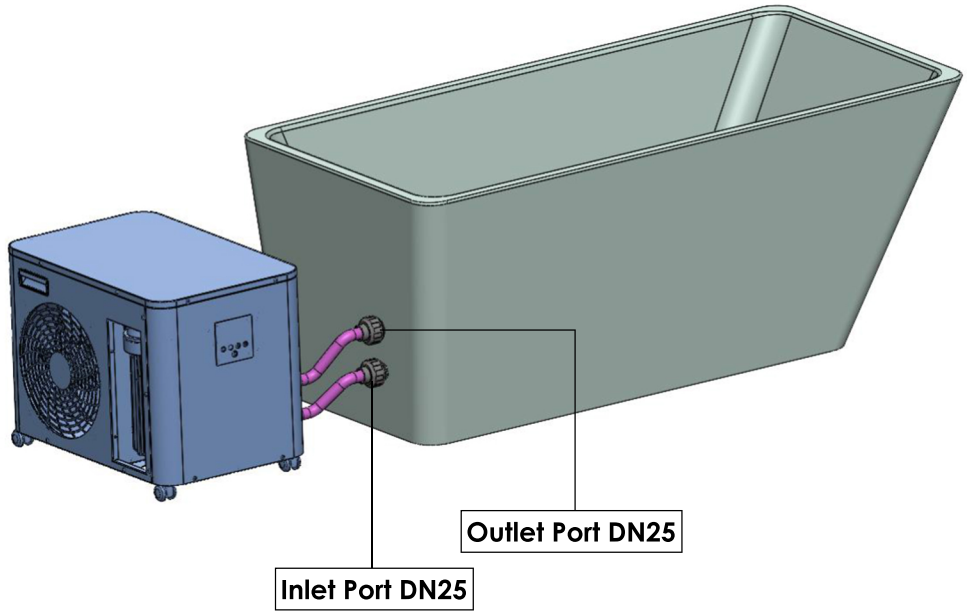
D.Bathtub light switch

Long press " " + " " key for 3 seconds.

Dimensions

Chiller Installation Instructions

Under normal circumstances, the chiller is connected to the bathtub or similar equipment as follows.



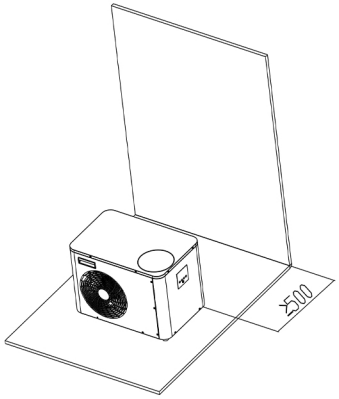


Figure 1

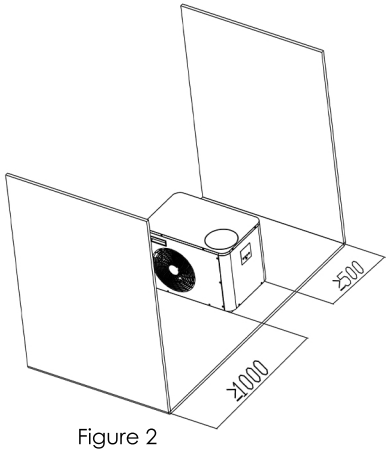


Figure 2

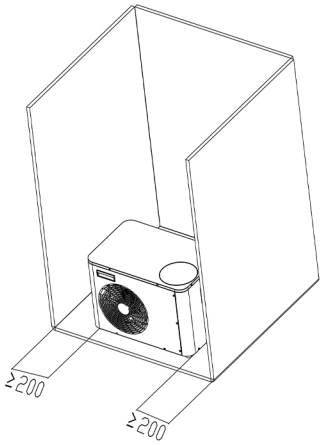


Figure 3

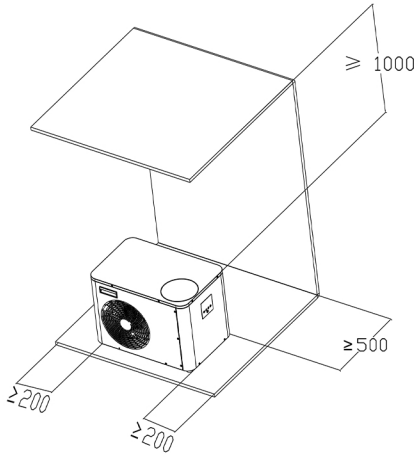


Figure 4

Chiller Installation Diagram:

Figure 1: Air intake side (rear) of the main unit must be ≥500mm from obstacles.

Figure 2: Air outlet (front) of the main unit must be ≥1000mm from obstacles.

Figure 3: Both left and right sides of the main unit must be ≥200mm from obstacles.

Figure 4: Top cover of the main unit must be ≥1000mm from obstacles.

Note: The water pump can only operate normally when it is filled with water. Make sure to expel the air from the system before running the chiller.
It is forbidden to add acidic, alkaline or other corrosive agents to the water, so as to prevent corrosion of the intemal pipelines of the chiller and avoid equipment failures.

Note: Corrugated cardboard hoses are prohibited for use as connecting hoses between the chiller and the bathtub.

Note: The connecting hoses between the chiller and the bathtub must comply with the chiller's water specifications to ensure there are no leaks.

Maintenance

Maintenance Notes

- Power Down: Shut down the machine and turn off the power before performing any maintenance on the equipment.
- Avoid Direct Water Contact: Do not wash the unit directly with water.
- Use Correct Fuses: Do not replace fuses with wires, steel, or copper wires. Use fuses of the correct specifications to avoid damaging the unit.

— If any abnormalities are detected, turn off the power and seek guidance from the dealer.Continuing to use the unit in such conditions may result in electric shock or fire. Maintenance should only be performed by qualified personnel, and all power supplies must be disconnected before accessing electrical components.

Safety Rules

A. Warning:

1. This product is prohibited from being used in water or excessively humid environments, high temperatures, strong electromagnetic interference, and highly corrosive environments. The temperature sensor must not be immersed in organic solvent solutions.

2. This product must not be disassembled, displayed, or installed by non-professional personnel or without adequate static protection

3. Do not place the chiller outdoors.

B. Caution:

1. The supply voltage must match the voltage marked on the controller, and the supply voltage must be stable.

2. Biofilms or other biological materials can form inside the pipes and need to be cleaned with hot water to ensure proper sanitation. Regular maintenance per the manual's guidelines is essential to prevent such issues.

3.To avoid potential interference, it is recommended to keep the sensor and data lines at a proper distance from power lines.

4. Maintain a clearance of 50 centimeters between the chiller (front and back) and the wall or other objects, and a clearance of 20 centimeters on the sides, to ensure adequate air circulation during operation. Insufficient indoor air circulation can cause the surrounding temperature to rise, affecting cooling efficiency.

5. Do not cover the chiller while in use, and avoid shaking or impacting the machine.

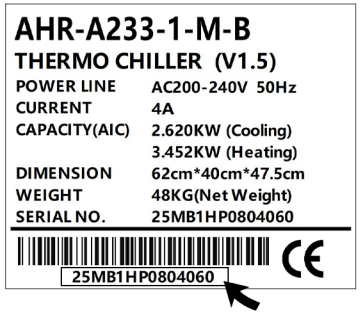
6. Ensure that the chiller is placed on a stable and secure surface.

7. The cooling effect may vary due to installation location, surrounding heat sources, pipe length, pump, filter, and other connecting accessories. To achieve optimal performance, use the water pump and standard accessories provided with this chiller series.

After-Sales and Technical Support

To ensure prompt assistance, please provide:

- Chiller code(e.g.25MB1HP0804060)



- Purchase date
- Fault description (with photos/videos recommended)