



Unidirectional Flow Central Fresh Air Dehumidifier



MERENFORT DOF 38L/350-AR-2.0
MERENFORT DOF 70L/500-AR-2.0

User Manual

Compliance Standards
GB 4706.1-2005 Safety of Household and Similar Electrical Appliances: General
Requirements
GB 4706.32-2012 Safety of Household and Similar Electrical Appliances: Particular
Requirements for Heat Pumps, Air-Conditioners, and Dehumidifiers



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Safety

Before installing and operating the equipment, please carefully read the user manual. Strictly adhere to the usage requirements, relevant national safety guidelines and regulations, as well as electrical technical specifications and other standards specified in the user manual during installation and operation of the equipment.

Warnings provided in the user manual contain important information regarding personal safety and must be paid attention to. Failure to comply with the operating procedures or safety warnings in the user manual may result in personal injury or equipment damage. To ensure the service life of the unit, please read the user manual carefully before using the equipment.

Illustration Example



Warning!



Prohibited!

Precautions for equipment installation and operation



- Be sure to disconnect the power during installation and operation.



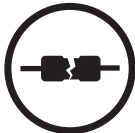
- Handle with care when opening the package.



- Keep the power cord away from the heating device.



- Follow the relevant installation specifications when installing the equipment.



- Do not connect the machine to the power supply with damaged equipment or power cords.



- Do not operate this equipment outside the operating temperature range specified in the user manual.
- Do not operate this equipment in flammable or explosive environments.



- Do not touch the control unit with wet hands.
- Do not perform installation or maintenance operations with wet hands.



- Do not rinse the equipment directly with water.
- Protect the circuitry to prevent water ingress.



- Children are prohibited from operating this equipment.



- Before conducting any maintenance operations, disconnect the equipment from the power source.



- Do not store flammable or explosive materials around the equipment.



- If the equipment experiences abnormal noise, odor, or smoke, immediately disconnect the power supply and contact the dealer.



- Do not store flammable or explosive materials around the equipment.



- Do not direct the airflow generated by the equipment towards open flames or sources of fire.



- Do not open the panel while the equipment is running.



- To ensure the long-term stable operation of the equipment, regularly inspect the safety of its installation.



- Do not open the panel while the equipment is running.



- This equipment is intended for use only in specific scenarios.

Introduction

This user manual includes: technical specifications, operation and installation guides, safety regulations for correct operation, as well as safety precautions and notes.

Before installation and use, carefully read and understand the user manual, especially the safety precautions.

Please keep this user manual properly during your use of this product.

Overview

The unidirectional flow central fresh air dehumidifier is a highly efficient and energy-saving equipment designed for dehumidification, purification, and ventilation functions in both residential and public spaces.

The normal operating conditions for the equipment are as follows: indoor temperature ranging from 1° C to 40° C, with relative humidity not exceeding 80%, and outdoor temperature ranging from - 15° C to 45° C, with relative humidity not exceeding 80%.

Safety Regulations

1. All components inside the equipment are connected to the power supply. Therefore, maintenance should only be performed after the power is disconnected.
2. It is recommended to use power cables with a diameter equal to or greater than 60227IEC(RVV) (3x2.5mm²) as specified by GB/T 5023.5.
3. Installation and maintenance operations must be carried out by qualified professionals.
4. This product must be grounded. Otherwise, there is a risk of electric shock in case of abnormality or leakage.
5. Before connecting to the power supply, ensure that the fan blades and housing of the motor are undamaged, and there are no foreign objects inside the casing.
6. Unauthorized modification or misuse of the equipment is not allowed.
7. The conveyed air must not contain any dust or other solid impurities, sticky substances, or fibrous materials.
8. The equipment must not operate under conditions that are flammable or explosive.
9. For specific safety regulations, refer to the attached safety manual.



Warning!

This device is a fresh air dehumidifier controlled by a microcomputer. The sensors are precision components, and using the device in environments with strong corrosive gases or large amounts of dust may lead to equipment failure.

Installation of this device should be carried out by individuals with relevant professional knowledge.

Before using this device, please read and understand this manual. Children should use this device under the supervision of guardians.

Design

This unidirectional flow central fresh air dehumidifier features intelligent control, with independent control over fresh air intake and dehumidification. It provides intuitive displays of humidity and other air quality parameters. The product boasts an aesthetically pleasing appearance, superior performance, and simple operation.

It can meet the ventilation and dehumidification requirements of different households, as well as being widely used in scientific research, industrial, medical, and sanitary applications, instrument storage, underground construction, computer rooms, data rooms, archives, warehouses, bathrooms, and other high humidity areas. This helps prevent damage caused by moisture, rust, and mold to instruments, computers, telecommunications equipment, medicines, and documents.

With its compact design, it is easy to install during construction. The side maintenance design facilitates later maintenance and repairs.

Transportation and Storage

Transportation of Equipment: The equipment can be transported using any vehicle provided it is protected from climate and mechanical damage.

Handling and Lifting: Cranes can be used for handling. During loading and unloading, follow the transportation and handling procedures suitable for this product type. This product contains a refrigeration system, so attention should be paid to the direction of handling.

Storage: The equipment should be stored using the original packaging in a dry and well-ventilated environment. Since this product contains a refrigeration system, attention should be paid to the placement direction during storage.

Store the product separately from corrosive and insulating materials.

It should be stored in an environment with stable temperature and humidity, with the ambient temperature ranging from 1° C to 40° C.

After moving the equipment, it should be left stationary for at least two hours before connecting to the power supply and operating.



Warning!

After the expiration of the equipment's service life, it must be recycled separately and should not be disposed of with unclassified waste.

Some materials of the equipment can be recycled, while others should not be treated as household waste.

In accordance with the effective regulations of the applicable country, the product must be promptly disposed of once it reaches the end of its service life.



Warning!

Do not attempt to accelerate the defrosting process or clean the frosted parts unless specifically recommended by our company.

The equipment should be stored in a room without continuous burning flames (such as lit gas appliances) and ignition sources (such as working electric heaters).

Working Principle

This product is a unidirectional flow central fresh air dehumidifier, capable of providing two main functions: introducing fresh air and dehumidification. The dehumidification process involves three steps:

1. The first step involves the fan drawing in the ambient warm and humid air from the space through the filter, purifying it, and directing it into the machine.

2. In the second step, the water vapor in the drawn warm and humid air is liquefied into water droplets by the evaporator (cooling copper pipes and fins). The water droplets are collected in a water collection tray and discharged through a drainage pump.

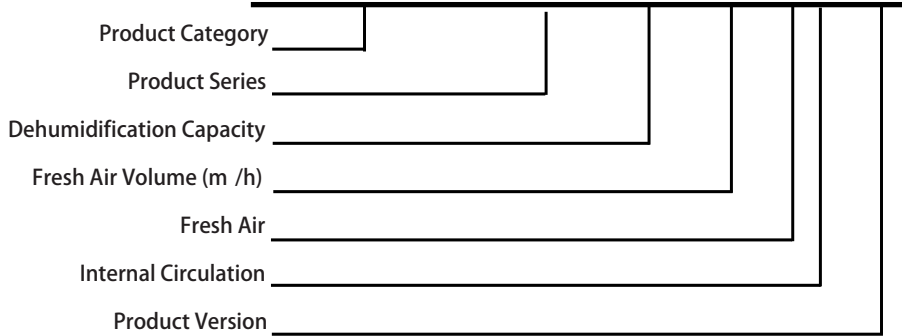
3. In the third step, the dry air cooled by the evaporator is reheated by the reheat coil and then delivered into the indoor space through the air outlet. This cycle repeats continuously, gradually reducing the air humidity.

Packing List

Unidirectional Flow Central Fresh Air Dehumidifier x 1
 User Manual (including Warranty Certificate) x 1
 Installation Guide x 1
 Safety Manual x 1
 Installation Components x 1 set
 Packaging x 1
 Controller and Cables x 1 set

Naming Rules

Naming Example: MERENFORT DOF XL/XXX-XX-X.X

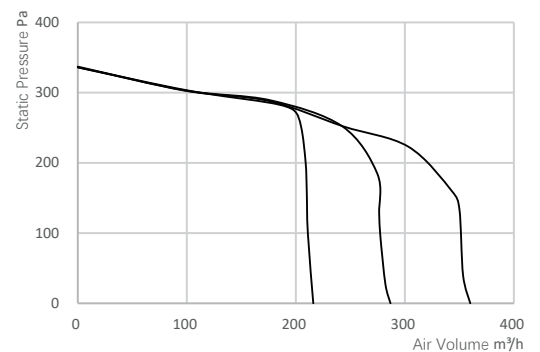
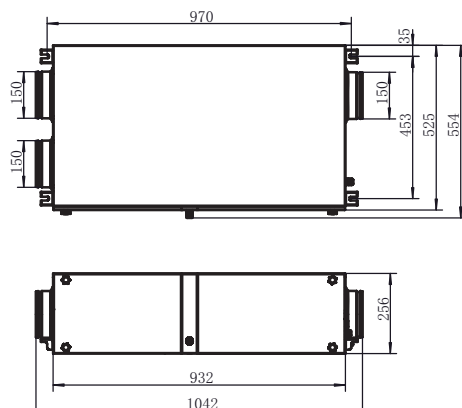


Technical Parameters

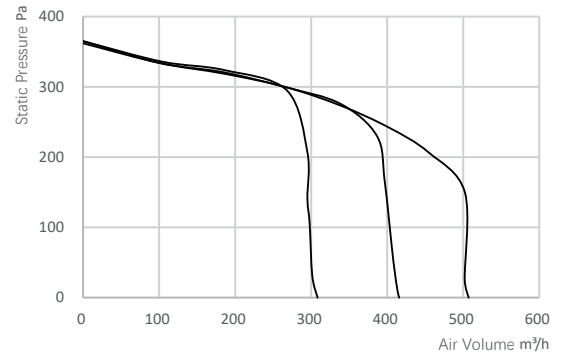
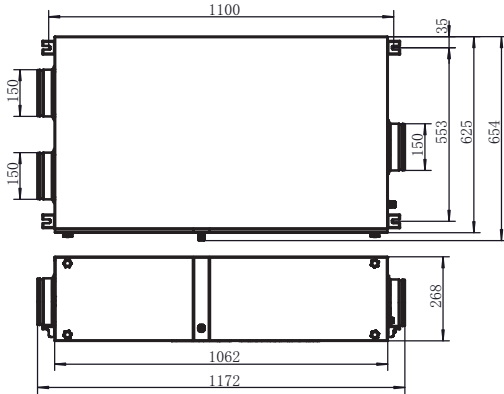
Model	MERENFORT DOF 38L/350-AR-2.0	MERENFORT DOF 70L/500-AR-2.0
Rated Voltage (V)	220~	220~
Rated Frequency (Hz)	50	50
Rated Input Power (W)	390	740
Dehumidification Capacity	30/80(L/D)	70
	27/60(L/D)	40
Rated Air Volume (m³/h)	High-end / Mid-range / Low-end:350/280/210	High-end / Mid-range / Low-end:500/400/300
Fresh Air Intake Volume (m³/h)	0-350	0-500
External Static Pressure (Pa)	150	150
Noise Level (dB(A))	36	42
Applicable Area (m²)	50-75	75-140
Filter Grade	Silver ions+HEPA	Silver ions+HEPA
Refrigerant/Charge Amount	R290/200g	R290/300g
Dehumidification Operating Temperature (°C)	5-38	5-38
Weight (kg)	43	58
Flange Size (mm)	150*3	150*3
Overall Dimensions (Main Body) (mm)	932*525*256	1062*625*268
Overall Dimensions (Maximum Size) (mm)	1042*554*256	1172*654*268

1. The input power, dehumidification capacity, noise level, air volume, and other data are all test data obtained under the high-end mode of the dehumidification setting.
2. The air volume, input power, dehumidification capacity, etc., are measured with a 1m air duct connected to both the air inlet and air outlet of the unit, with zero static pressure.
3. The noise level is the A-weighted average sound pressure level, and it represents the central value of the test results in the laboratory, with a tolerance range of ± 3 dB.
4. The noise level is measured in a semi-anechoic chamber, 1.5m away from the bottom of the product (with a 1m muffler connected to the outlet of the unit and a 1m air duct connected to the inlet).
5. The dehumidification operating temperature refers to the temperature at which the compressor can start running when the air temperature at the inlet of the dehumidifier is within this range. This does not affect the operation of the fan.

MERENFORT DOF 38L/350-AR-2.0



MERENFORT DOF 70L/500-AR-2.0



Installation



Warning!

The equipment must be installed on a stable concrete base. It must be securely fastened using fixed bolts. Before starting the installation, inspect the mounting structure to ensure it has sufficient load capacity to support the weight of the equipment. The power supply must be disconnected and the switch must be in the off position during installation.

Prohibited:

It is prohibited to operate the equipment in high temperature, highly corrosive, or flammable environments. It is prohibited to install the equipment and air outlet in spaces with high humidity or where high humidity steam is easily generated, such as bathrooms. It is prohibited to use the equipment in dusty environments.

During equipment installation, sufficient space for equipment maintenance must be reserved. The installation work requires a minimum of two people to prevent injury caused by the product falling.

Before installing the equipment, ensure that the installation location and hanging bars can withstand five times the weight of the equipment itself, otherwise reinforcement measures should be taken.

To secure the equipment, M10 threaded rods and expansion screws are needed. Longer rods should be used to reduce resonance between the equipment and the ceiling. The spacing of the hanging rods should be as shown in the dimensional diagram.

The equipment should be installed in a position convenient for connecting to the duct. After installation, ensure that the flange of the air outlet does not deform.

The drainage pipe must be connected to the drainage system during equipment installation.

Avoid excessively long ducts, too many bends, and changes in diameter in the duct layout as they can affect the air volume of the equipment.

The installed ducts must not be deformed.

After the equipment is installed, the load of the duct must not be borne by the body to prevent the machine from falling due to excessive load.

After the unit is installed, the entire machine needs to be leveled to ensure that the drainage outlet of the main unit is slightly lower than the level of the entire machine and a water seal trap is installed.

Ensure that the power cord is installed properly to prevent fire hazards.

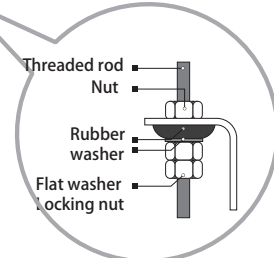
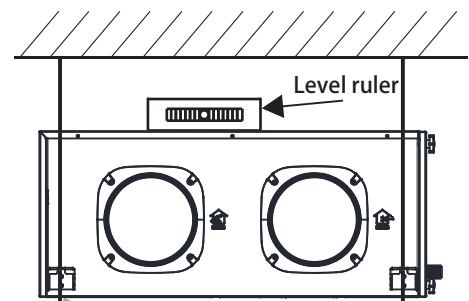
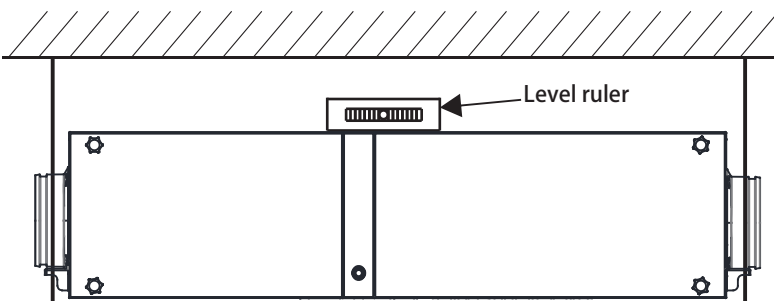
A maintenance access port must be reserved, and its size and position should follow the schematic diagram of the access port.

During installation and maintenance, ensure that the position of the power cord is lower than the outlet of the junction box to prevent water from flowing back into the junction box along the power cord.

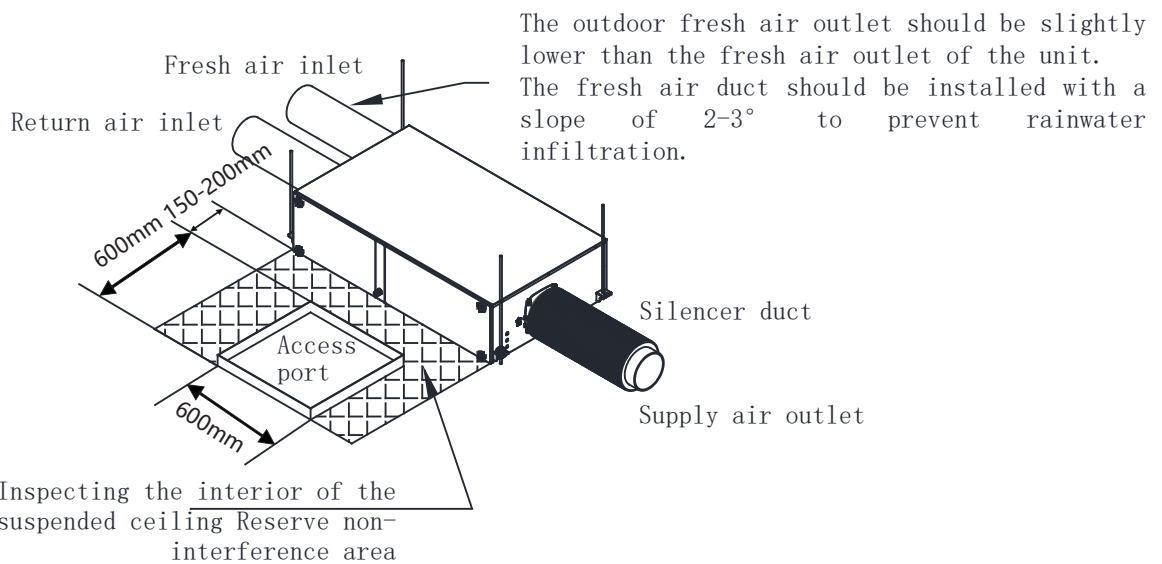
Before moving the product, use the forced drainage function to drain the water and then shut down to prevent water overflow and other accidents.

The area of the installation site must not be less than 16 square meters.

The installation height of the equipment should not be less than 2.3 meters.



Lifting Installation Diagram



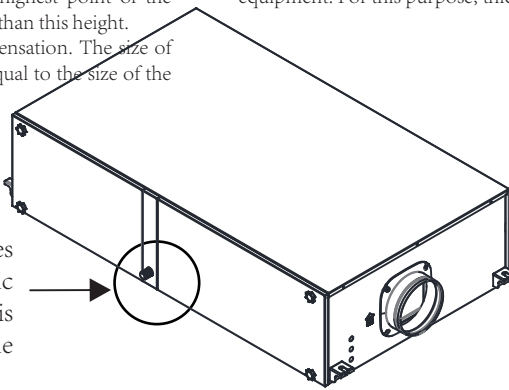
Access Port Diagram

Condensate Drainage

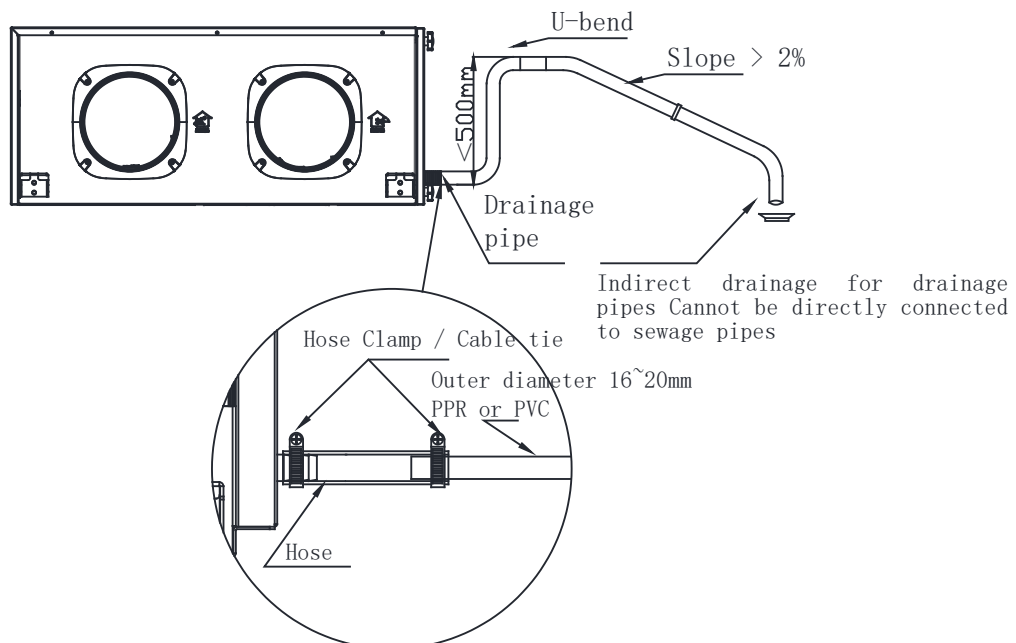
The equipment is equipped with an automatic drainage pump, which can actively discharge condensate water from the machine. A trap should be installed at the beginning of the external drainage pipe. The length of the drainage pipe should be minimized, and a slope of 1%-2% should be maintained when setting up the drainage pipe, which is beneficial for water drainage and prevents backflow. The maximum head of the automatic drainage pump is 50 centimeters, so the height of the highest point of the drainage pipe relative to the drainage outlet should be less than this height. The drainage pipe needs to be insulated to prevent condensation. The size of the drainage hose is recommended to be larger than or equal to the size of the drainage pipe.

The drainage pipe can be purchased locally as a regular hard PVC or PPR pipe. When connecting, use a drainage hose to connect the PVC/PPR pipe to the machine's drainage outlet. Secure the connection at both ends with clamps or cable ties. Do not use adhesive to connect the drainage pipe and drainage hose. When laying the drainage pipe for multiple devices, the position of the common pipe should be approximately 100mm below the drainage outlet of each set of equipment. For this purpose, thicker pipes should be used.

The equipment comes standard with an automatic drainage pump, which is directly connected to the drainage pipe.



Automatic drainage pump



Condensate Drainage System Installation Diagram

Power Supply Connection



Warning!

Before connecting the circuit, please read the user manual carefully. A professional electrician is required to connect the wires. Follow the electrical wiring diagram for correct wiring. Unauthorized modification of internal wiring is not covered by the warranty and may result in equipment issues.

The equipment power supply should be connected to AC 220V mains power.

Strictly adhere to relevant household wiring standards (GB50311-2016). A circuit breaker must be installed in the household wiring system.

Connect the power supply and equipment together through the circuit breaker (GB50054-2011).

The rated current of the circuit breaker must not be lower than the rated current. It is recommended to use a 16A independent circuit breaker.

Install the circuit breaker to ensure timely protection of the equipment.

If the power cord is damaged, it must be replaced by a professional from the manufacturer, their repair department, or a similar department to avoid danger.

Cut off the power supply to the equipment and disconnect the circuit breaker before performing any other operations.

Before proceeding with any operation, measures must be taken to prevent the automatic circuit breaker from being reset.

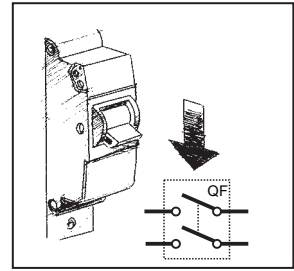
Connect all power and control wires according to the markings on the terminal blocks.

The wiring diagram is located on the board inside the junction box.

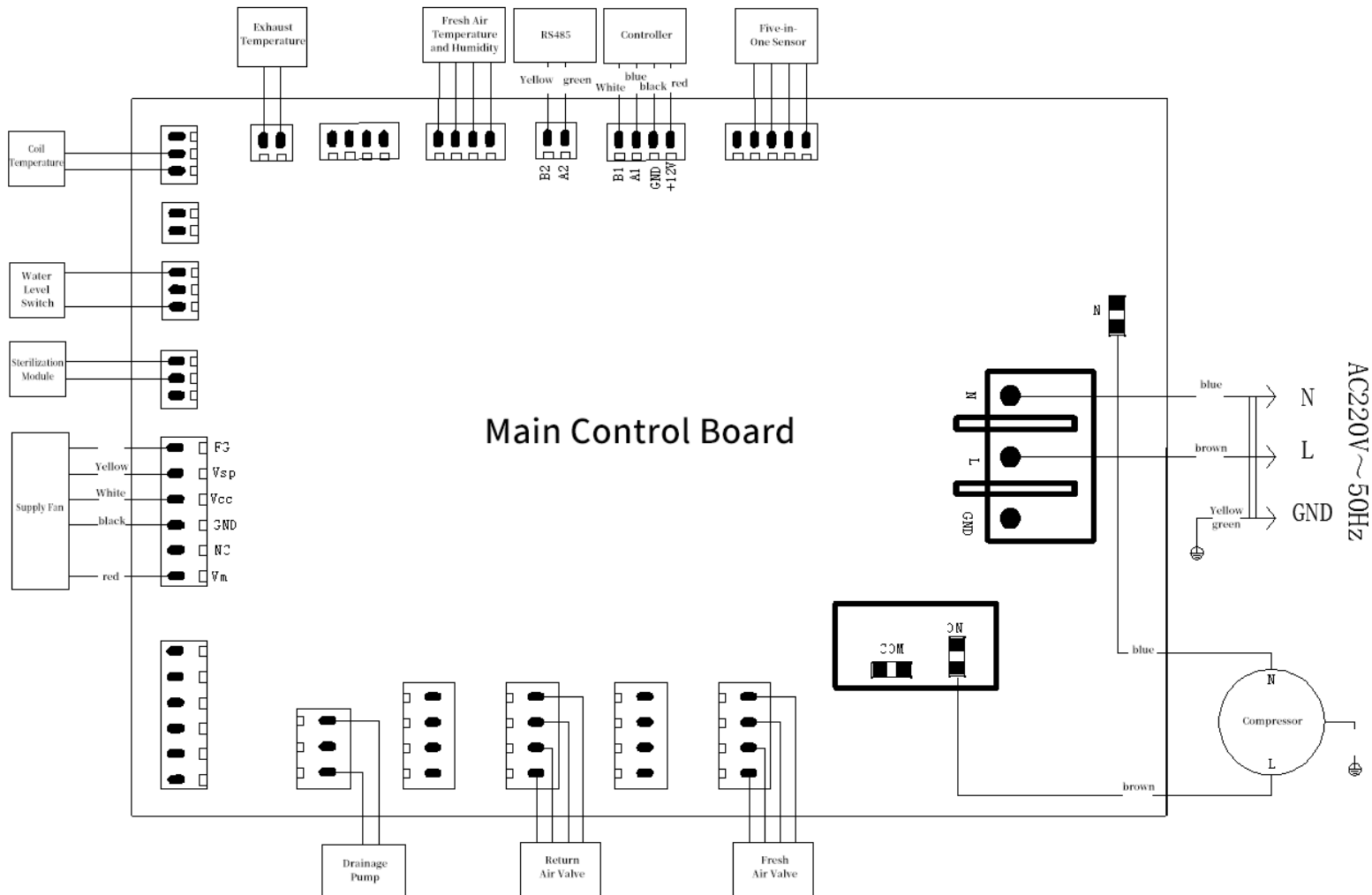
The terminal blocks and the wiring diagram correspond to each other.

Connect the power supply junction box to improve the level of electrical protection through an electrical protector.

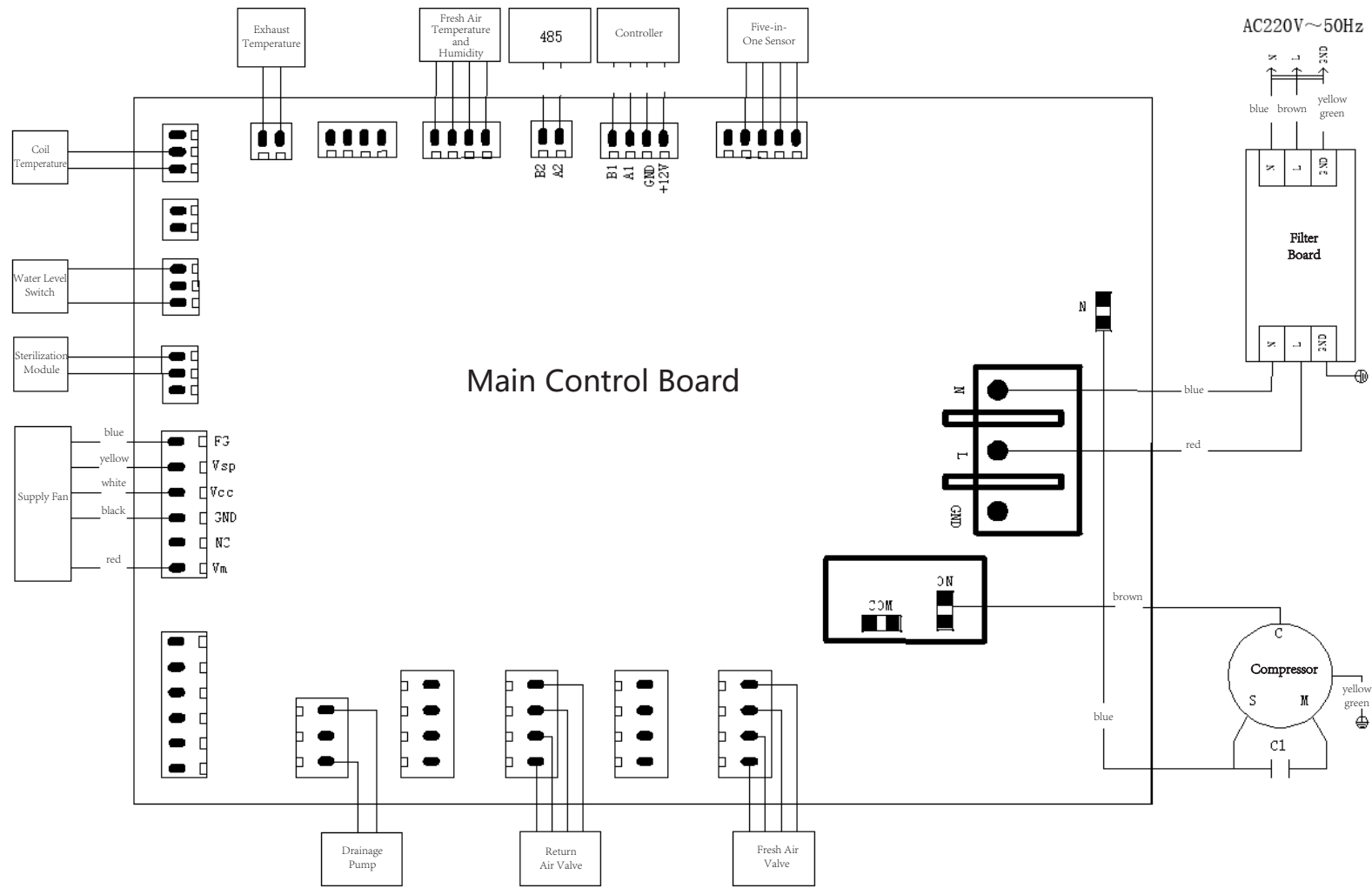
During installation, a full-pole disconnect device with a contact opening distance of not less than 3mm must be installed in the power supply circuit.



MERENFORT DOF 38L/350-AR-2.0 Electrical Schematic Diagram



MERENFORT DOF 70L/500-AR-2.0 Electrical Schematic Diagram



RS485 Configuration Method

RS485 Connection: Open the controller wiring box and connect the 485 interface.
 RS485 Configuration: Enter the controller settings interface, and directly configure the communication mode: RS485 ModBus RTU.
 Baud Rate: 9600bps
 Start Bit: 1 bit
 Data Bits: 8 bits
 Parity: None
 Stop Bit: 1 bit

Read multiple registers
 Read holding registers (read 14 data at once)



Settings Interface



RS485 Settings Interface

Device address	Function code	Register address	Number of registers	CRC16
1 bytes	1 bytes	2 bytes	2 bytes	2 bytes
01—200	0x03	0x00 0x00	0x00 0x0E	CRC high byte / CRC low byte
Device response code	Function code	Number of registers	Data	CRC16
Device address	code	registers		CRC16
01—200	0x03	0x1C	28 bytes	CRC high byte / CRC low byte

Data Parsing:

00 00 (00 XL) : Address setting. 00 XX (XX = hexadecimal data new address) Range: 1-200.
 00 01 (00 XL) : 0001 Power on, 0000 Power off.
 00 02 (00 XL) : 01 Intelligent mode, 02 Fresh air dehumidification mode, 03 Strong dehumidification mode, 04 Fresh air ventilation mode, 05 Quick clean mode.
 00 04 (00 XL) : 00 Dehumidification function off; 01 Dehumidification function on.
 00 05 (00 XL) : Year intelligent mode 01 Low speed; 02 Medium speed; 03 High speed; 04 Auto.
 For Fresh air dehumidification mode 01 Low speed; 02 Medium speed; 03 High speed; 04 Auto.
 00 06 (00 XL) : Strong dehumidification mode 01 Low speed; 02 Medium speed; 03 High speed; 04 Auto.
 00 07 (00 XL) : For Fresh air ventilation mode 01 Low speed; 02 Medium speed; 03 High speed; 04 Auto.
 00 08 (00 XL) : Quick clean mode 01 Low speed; 02 Medium speed; 03 High speed; 04 Auto.
 00 09 (00 XX) : Invalid parameter.
 00 0A (00 XL) : Set humidity in hexadecimal.
 00 0B (00 XL) : Filter replacement setting time in hexadecimal.
 00 0C (00 XX) : Invalid parameter.

Read holding registers (read 21 data at once)

Device address	Function code	Register address	Number of registers	CRC16
1 bytes	1 bytes	2 bytes	2 bytes	2 bytes
01—200	0x03	0x10 0x00	0x00 0x15	CRC high byte / CRC low byte
Device address	Function code	Number of registers	Data	CRC16
01—200	0x03	0x2A	42 bytes	CRC high byte / CRC low byte

Data Parsing:

10 00 (00 XL): Indoor humidity in hexadecimal.
 10 01 (00 XL): Indoor temperature in hexadecimal.
 10 02 (XH XL): Indoor CO2 level in hexadecimal.
 10 03 (XH XL): Indoor PM2.5 value in hexadecimal.
 10 04 (00 XL): Indoor TVOC level (00 = Excellent; 01 = Good; 02 = Good; 03 = Fair).
 10 05 (00 XL): Fresh air temperature in hexadecimal.
 10 06 (00 XL): Fresh air humidity in hexadecimal.
 10 07 (00 XX): Invalid parameter.
 10 08 (00 XX): Invalid parameter.
 10 09 (00 XL): Coil temperature in hexadecimal.
 10 0A (00 XL): Exhaust temperature in hexadecimal.
 10 0B (00 XL): 00 Pump off; 01 Pump on.
 10 0C (00 XL): 00 Compressor off; 01 Compressor on.
 10 0D (00 XL): 00 Defrosting off; 01 Defrosting on.
 10 0E (00 XX): Invalid parameter.
 10 0F (00 XL): 00 Water level switch OFF; 01 Water level switch ON.

10 10 (00 XX): Invalid parameter.
 10 11 (00 XL): 00 Fresh air valve/exhaust air valve closed; 01 Fresh air valve/exhaust air valve open.
 10 12 (00 XL): 00 Return air valve/supply air valve closed; 01 Return air valve/supply air valve open.
 10 13 (00 XL): Filter replacement reminder (00 Normal; 01 Replace).
 10 14 (00 XX): Invalid parameter.

Read holding registers (read 13 data at once)

Device address	Function code	Register address	Number of registers	CRC16
1 bytes	1 bytes	2 bytes	2 bytes	2 bytes
01—200	0x03	0x20 0x02	0x00 0x0D	CRC high byte / CRC low byte
设备返回码				
Device address	Function code	Number of registers	Data	CRC16
01—200	0x03	0x1A	26个字节	CRC high byte / CRC low byte

Read single register (e.g., read data from single register address 0x00)

Read holding registers (read 1 data at once)

Device address	Function code	Register address	Number of registers	CRC16
1 bytes	1 bytes	2 bytes	2 bytes	2 bytes
01—200Device	0x03	0x00 0x00	0x00 0x01	CRC high byte / CRC low byte
response code				
Device address	Function code	Number of registers	Data	CRC16
01—200	0x03	0x02	2个字节	CRC high byte / CRC low byte

Write a single register

Write Holding Register

Device address	Function code	Register address	Number of registers	CRC16
1 bytes	1 bytes	2 bytes 0x00	2 bytes	2 bytes
01—200	0x06	0x00~0x0d	XX XX	CRC high byte / CRC low byte
Device Response Code				
Original Command Return				

Data Parsing:

00 00 (00 XL): Address setting. 00 XX (XX = hexadecimal data new address) Range:1-200.
 00 01 (00 XL): 0001 Power on; 0000 Power off.
 00 02 (00 XL): 01 Intelligent mode; 02 Fresh air dehumidification mode; 03 Strong dehumidification mode; 04 Fresh air ventilation mode; 05 Quick clean mode.
 00 03 (00 XL): Invalid parameter.
 00 04 (00 XL): Intelligent mode: 01 Low speed; 02 Medium speed; 03 High speed; 04 Auto.
 00 05 (00 XL): Fresh air dehumidification mode: 01 Low speed; 02 Medium speed; 03 High speed; 04 Auto.
 00 06 (00 XL): Strong dehumidification mode: 01 Low speed; 02 Medium speed; 03 High speed; 04 Auto.
 00 07 (00 XL): Fresh air ventilation mode: 01 Low speed; 02 Medium speed; 03 High speed; 04 Auto.
 00 08 (00 XL): Quick clean mode: 01 Low speed; 02 Medium speed; 03 High speed; 04 Auto.
 00 09 (00 XX): Invalid parameter.
 00 0A (00 XL): Set humidity in hexadecimal.
 00 0B (00 XL): Set filter replacement time in hexadecimal.
 00 0C (00 XX): Invalid parameter.

Control Panel

The device comes standard with a wall-mounted integrated control system control panel.

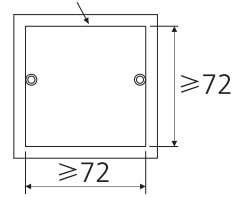
The control panel is connected to the cable using a plug-and-play method, with the cable fixed to the device using screws.

The control panel features a liquid crystal display and touch-sensitive keypad operation:

The controller is installed in a standard 86 base box.





It is recommended that the dimensions inside the junction box be larger than 72x72x45 (mm).

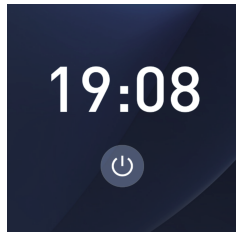
It is recommended that the dimensions inside the junction box be larger than 72 × 72 × 45 (mm).



Equipment Control

Icons and buttons:

1. Mode button "  ": Press this button to enter the mode selection interface.
2. Fan speed button "  ": Press this button to enter the fan speed selection interface.
3. Setting button "  ": Press this button to enter the settings interface.
4. Power button "  ": Press this button to turn the machine on or off.



Shutdown Interface



Operating Interface



Mode Selection Interface



Fan Speed Selection Interface



Standby Interface



Settings Interface



Function Description:

The machine has five working modes: Smart Mode / Fresh Air Ventilation Mode / Strong Dehumidification Mode / Fresh Air Dehumidification Mode / Quick Clean Mode.

1. Smart Mode: In Smart Mode, the device will automatically adjust the fan speed and dehumidification capacity based on indoor and outdoor environmental parameters.
2. Fresh Air Ventilation Mode: (1) You can manually control the fan speed. (2) You can also automatically control the fresh air fan speed based on indoor CO2 and PM2.5 concentrations.
3. Strong Dehumidification Mode: Enhances dehumidification capacity.
4. Fresh Air Dehumidification Mode: Activates both fresh air and dehumidification functions simultaneously.
5. Quick Clean Mode: Automatically controls the return air fan speed based on indoor CO2 and PM2.5 concentrations.

APP Connection and Usage Instructions:

1. APP Connection and Usage Instructions:

Download and Install the APP Scan the QR code in the bottom right corner to download the APP.

2. Log in to the APP

Follow the prompts to install the APP. If you have already registered, please use your existing account and password to log in. New users need to register first before logging in.

3. Add Device

① Open the dehumidifier controller: "Settings" → "Network Settings" → "Smart Network".

② Add the device in the APP (make sure the network is smooth).

③ If you are unable to complete the network configuration, please check the error prompts in the APP. After correcting the corresponding content, add the device again.



Fault Indication

When the following faults occur, the alarm indicator light on the top right of the controller will illuminate	
Water Full Protection	High Load Protection
Abnormal Cooling System	Environmental Temperature Too Low / High Protection
Five-in-One Sensor Fault	Coil Temperature Sensor Fault
Fresh Air Temperature and Humidity Sensor Fault	Exhaust Temperature Sensor Fault
Filter Replacement	

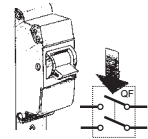
1. When the above-mentioned faults cannot be resolved and it is confirmed that repair is necessary, please contact the supplier or authorized repair station. Do not dismantle the machine for repair on your own.
2. During operation or when the machine stops, you may hear the sound of refrigerant circulation. This is a normal phenomenon and not a fault.
3. The discharge of hot air from the air outlet is a normal phenomenon.

Technical Maintenance



Warning!

- Before any maintenance, please switch off the circuit breaker to cut off the power supply. Take measures to prevent automatic activation of the switch.
- The compressor has a delay start protection function, as well as an automatic defrost function.



Maintenance and Care: Before performing maintenance and care, always switch off the power and unplug the power cord from the socket.

1. Air Filter Replacement:

When there is excessive dust on the air filter, the air volume will decrease, and the dehumidification capacity will also decrease. It is necessary to replace the air filter regularly. The controller will remind you when it's time to replace the filter. The equipment comes with a composite filter with silver ion HHEPA on the fresh air side and silver ion + G4 on the return air side. The filter replacement cycle is generally 3 months, but it can be adjusted according to the air conditions in different areas. When replacing, remove the side maintenance panel, take out the filter that needs to be replaced, insert the new filter, and then cover the maintenance panel. Finally, reset the filter in the controller settings.

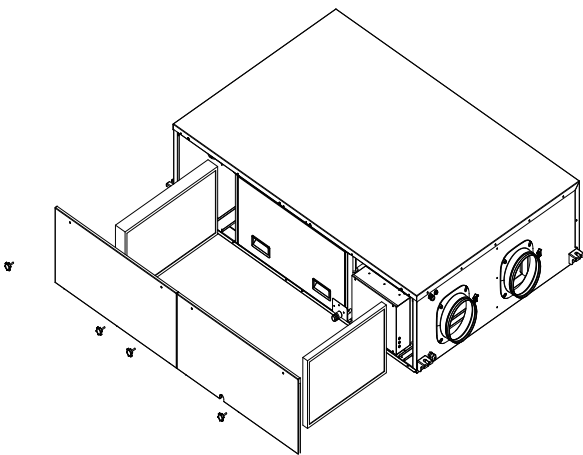
Note:

- a. The filter should not be exposed to direct sunlight or heat to avoid deformation.
- b. The filter should be installed before the equipment is turned on.
- c. The default reminder time for filter replacement in the controller system is 90 days.

Air Filter Replacement Steps

1. Unscrew the knob of the filter maintenance cover and remove the maintenance door, then take out the filter.

2. Perform a filter reset within the controller's settings menu.



2. Cleaning the Heat Exchange Co

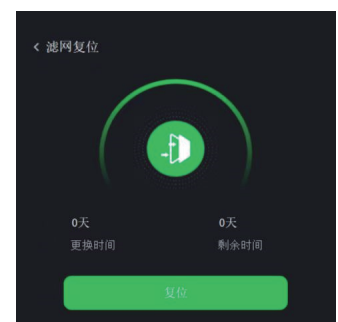
The equipment comes standard with a full-heat exchange core, which consists of a galvanized plate frame, PP hollow plate skeleton, and PE polymer film. The heat exchange core can be used for a long time, with a lifespan of over 10 years. After using the full-heat exchange core for a period of time, dust will accumulate, and severe accumulation can lead to blockage of the honeycomb, affecting air volume and heat exchange efficiency. Therefore, it needs to be cleaned regularly, with a recommended cleaning cycle of 12 months. When cleaning, remove the heat exchange core and rinse it with clean water. After air-drying, reinstall it into the machine. As the heat exchange core is a separate module, refer to the block maintenance section for disassembly methods.

3. Cleaning the Body:

- (1) Please wipe with a soft and clean dry cloth.
- (2) If the body is covered with dust or is very dirty, please wipe it with a flexible cleaner, and then wipe off the cleaner with a dry cloth dipped in water. It is strictly forbidden to use solvents, polishing powders, etc., to clean the body to avoid damaging the surface.
- (3) It is strictly forbidden to rinse with water to avoid poor insulation and leakage.



Press the "Confirm" button on the fault details confirmation page in the controller's settings interface to enter the fault page and view the fault content.



Safety Precautions for Safe Use and Maintenance:

1. Before use, please ensure that the power supply is 220V~50Hz.
2. Do not switch on or off the device by plugging or unplugging the power cord, as this may cause fire or electric shock accidents.
3. Do not insert thin rods or hard objects into the device to avoid malfunctions or hazards.
4. Be sure to ground the device and ensure a reliable connection.
5. When moving or storing the device, do not place it on its side or upside down, as this may cause compressor failure.
6. Do not use any relays, extension cords, or adapters to connect the device, as this may cause fire, electric shock, or overheating.
7. Do not place the device near stoves, heaters, or other heat-generating equipment, as the internal wiring may overheat, leading to fire.
8. Do not use the device in places where it may be exposed to direct sunlight, wind, or rain. The device is for indoor use only.
9. If a problem occurs (such as a burning smell), immediately turn off the device and unplug it. Failure to do so may cause fire or new malfunctions.
10. Do not use the device in places where it may be affected by chemicals. Drugs or solvents released into the air may adversely affect the device.
11. When not in use for a long time, please unplug the power cord.
12. When draining continuously, please ensure that the drainage pipe is placed properly to ensure smooth drainage. If the temperature around the water pipe is low, it may freeze, so continuous drainage is not recommended.
13. Do not repair, disassemble, or modify the device yourself, as this may cause fire or electric shock accidents.
14. Place the device in a stable location. If the device falls over, water from the tank may leak out, damaging surrounding items and causing fire or electric shock accidents.

The names and quantities of harmful substances in the product

Component names	Harmful substances					
	Lead (Pb)	Mercury (Hg)	Cadmium(Cd)	Hexavalent Chromium(Cr(VI))	Polybrominated Biphenyls (PBB)	Polybrominated Diphenyl Ethers (PBDE)
External components	○	○	○	○	○	○
Internal components	×	○	○	○	○	○
Electrical components	×	○	○	○	○	○
Accessory components	○	○	○	○	○	○

This table is prepared in accordance with the provisions of SJ/T 11364.
 O: Indicates that the content of the harmful substance in all homogeneous materials of the component is below the limit requirements specified in GB/T 26572.
 X: Indicates that the content of the harmful substance exceeds the limit requirements specified in GB/T 26572 in at least one homogeneous material of the component.

Environmental Usage Period



The number of years in this symbol is based on the requirements of SJ/T 11364 "Requirements for Marking of Restrictions on Hazardous Substances in Electrical and Electronic Products" and applies to electronic products manufactured or imported within the territory of the People's Republic of China (excluding Taiwan, Hong Kong, and Macau).

Under the condition of complying with the relevant safety and usage precautions recorded in the user manual, and in the absence of other legal or regulatory disclaimers, within the above-mentioned period starting from the date of production, harmful substances in the product will not leak or mutate, and the use of the product will not cause serious pollution to the environment or cause serious damage to the user's person or property. The "Environmental Usage Period" is not a safety usage period. It is particularly different from usage periods limited based on factors such as electrical performance safety and electromagnetic safety. When the product is appropriately disposed of after use, it is hoped that it will be handled in accordance with laws or regulations regarding the recycling or reuse of electrical and electronic products.

Note: This period is the "environmental usage period" and is not the product's quality guarantee period. This table of harmful substance contents is for general use of BLAUBERG products; please refer to the actual product for details of the parts listed in the above form.

Warranty Certificate

Warranty Certificate

Warranty Terms

1. The warranty period starts from the date of purchase, and all warranty terms expire after the warranty period. When requesting warranty service, please present a valid purchase receipt, paying attention to the following two points:
 - a. Products under warranty need to be repaired at an authorized Blauberg service center.
 - b. Keep this warranty certificate properly for verification during warranty service.
2. From the date of purchase, free repair or replacement of parts is provided for malfunctions occurring due to product quality issues during normal use within the following periods:
 - a. Whole unit: 2 years
 - b. Main components: Compressor - 3 years, Fan - 5 years
3. Consumable materials such as gaskets, filters, screw packs, and fuses are not covered by the warranty.
4. Other situations not specified will be handled according to national regulations.

Disclaimer

The following reasons for malfunction are not covered by the warranty:

1. Damage caused during transportation, storage, or installation not attributable to the manufacturer.
2. Damage caused by improper operation, abnormal power supply, etc.
3. Damage caused by floods, lightning, fires, earthquakes, or other force majeure factors.
4. Damage caused by reasons other than those attributable to the manufacturer.

Information Registration

Product Model:		Serial Number:	
Purchase Date:		Dealer Name:	
User Name:		User Phone Number:	
User Address:			

After-sales Service Hotline: 400-835-0379

Pre-sales Consultation Hotline: 400-825-0508

Official Website: <http://www.blauberg.cn>

This section contains warranty information, please keep it safe.

Manufacturer Name: Blauberg Environmental Systems (Suzhou) Co., Ltd.
Manufacturer Address: No. 8 Zhuji, Industrial Park, Suzhou, Jiangsu Province

Product Qualification Certificate



