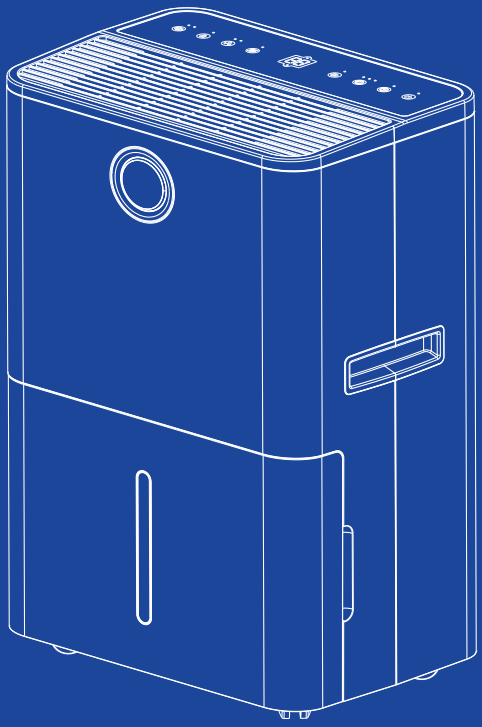
AVAHUM

Model: AM150P



Thank you for your order.
You made our day.

Thanks for your purchase.
If any problems with our dehumidifier, please feel free to contact us

Please refer to the model on the nameplate of the machine.
Please read the user manual carefully before use and keep it properly.

Email:support@avahum.com

Instructions for Use:

1.Dehumidification Capacity-The dehumidification capacity of dehumidifier is related to the area used and the ambient temperature and humidity, and the water tank capacity is not equal to the dehumidification capacity.

2.Control Panel Flashing: Dehumidifier will turn into stand by mode and flashing when the current humidity level lower than setting level, please try to set a lower target level or wait for the current humidity level rise and higher than the setting level, it will start running again from stand by mode.

If the humidity of the dehumidifier is inconsistent with the humidity you measured, it is mainly due to the inconsistency of the measurement location or the inconsistency of the evaluation method of the hygrometer and the dehumidifier.

3.Stop when the water tank is full- Dehumidifier will automatically turn off when the tank is full and the full tank indicator will turn on and sound 10 Seconds to remind you to empty the water tank. Please empty the water tank and reinstall the water tank, unit will run previous setting. If the full indicator keep warning when the tank is empty. Please make sure that the machine is placed smoothly or contact us for technical support.

Please check whether the water tank is installed and whether the induction magnet of the water tank is still there.

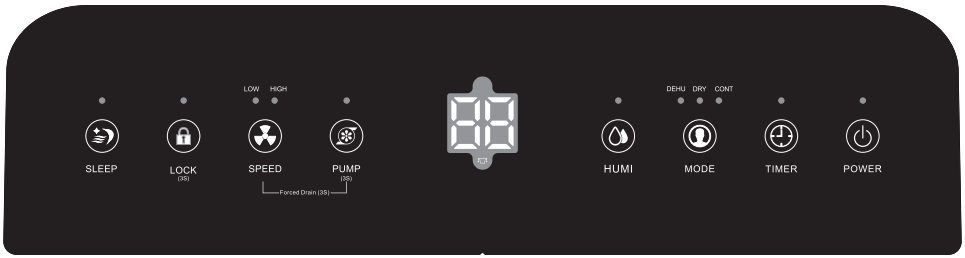
4. Timing Setting-The dehumidifier can be turned on and off regularly.

Start the machine regularly: Press the "TIMER" button after the machine is plugged in to set when the machine will start. Timing shutdown: When the machine is plugged in, press the power-on button and then press the "TIMER" button to set when the machine will shut down.

If you encounter problems, please contact our customer service. We will serve you.

Email: support@avahum.com

http://www.avahum.com



Key Description

Child lock key
For activation and deactivation of the child lock function.

Mode key
Choice of working mode.

Wind speed key
To switch between wind speeds.

Humidity key
For setting the humidity threshold

Timing key
Used to set the time on the device, the setting range is 1~24h.

Power button
To turn the machine on/off.

Pump to Drain:
Press and hold the screen for 3 seconds

Sleep Button:
To turn the sleep on/off.

Forced Drain
Press and hold together for 3s to force drain (Unable to drain tank water)

Note:

Allow Standing Time Before Use: After unpacking the dehumidifier, leave it standing upright for 24 hours before plugging it in. This protects the internal components and ensures optimal performance.

Placement and Clearance: Place the dehumidifier on a flat, stable surface, ensuring at least 8 inches of clearance around the unit for proper airflow.

Don't Block the Vents: When positioning the dehumidifier, please ensure it is not placed too close to walls or other objects, as this could obstruct the air vents.

Compressor Start Delay: To protect the compressor and extend its service life, the unit will start operating 3 minutes after being turned on.

Close Doors and Windows: To maximize performance, keep doors and windows closed during operation to prevent additional moisture from entering the space.

Heat Emission During Operation: Dehumidifiers emit heat while in use, which is a normal part of the moisture absorption process.

Avoid Direct Sunlight or Heat Sources: Do not position the unit near heat sources or in direct sunlight, as this can affect its efficiency.

Filter Maintenance for Pet Owners: If you have pets, clean the filter more frequently to prevent pet hair and dander from clogging the unit, which can reduce efficiency.

Ensure Proper Drainage Slope: When using a drainage hose, position it at a downward angle to avoid back flow and allow smooth water removal.

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01 WARNING FOR R32

WARNING for Using R32 Refrigerant:

Transportation, marking and storage for units that employ flammable refrigerants

1.General

The following information is provided for units that employ FLAMMABLE REFRIGERANTS.

2.Transport of equipment containing flammable refrigerants

Attention is drawn to the fact that additional transportation regulations may exist with respect to equipment containing flammable gas. The maximum number of pieces of equipment or the configuration of the equipment permitted to be transported together will be determined by the applicable transport regulations.

3.Marking of equipment using signs

Signs for similar appliances used in a work area are generally addressed by local regulations and give the minimum requirements for the provision of safety and/or health signs for a work location.

All required signs are to be maintained and employers should ensure that employees receive suitable and sufficient instruction and training on the meaning of appropriate safety signs and the actions that need to be taken in connection with these signs.

The effectiveness of signs should not be diminished by too many signs being placed together.

Any pictograms used should be as simple as possible and contain only essential details.

4.Disposal of equipment using flammable refrigerants

See national regulations.

5.Storage of equipment/appliances

The storage of the appliance should be in accordance with the applicable regulations or instructions,whichever is more stringent.

6.Storage of packed (unsold) equipment

Storage package protection should be constructed in such a way that mechanical damage to the equipment inside the package will not cause a leak of the REFRIGERANT CHARGE.

The maximum number of pieces of equipment permitted to be stored together will be determined by local regulations.

Requirements for operation,service and installation manuals of appliances using flammable refrigerants

Warning

Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.

The appliance shall be stored in a room without continuously operating ignition sources for example:

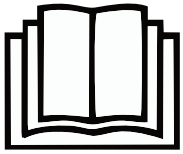
open flames, an operating gas appliance or an operating electric heater.

Do not pierce or burn.

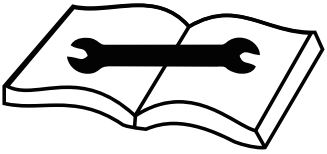
Be aware that refrigerants may not contain an odour.



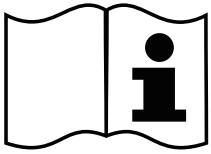
Appliance filled with flammable mag as



Before use the appliance, read the owner's manual first.



Before repair the appliance, read the service manual first.



Before install the appliance, read the installation manual first.

Qualification of workers

The manual shall contain specific information about the required qualification of the working personnel for maintenance, service and repair operations. Every working procedure that affects safety means shall only be carried out by competent persons. Examples for such working procedures are:

• breaking into the refrigerating circuit;

• opening of sealed components;

• opening of ventilated enclosures.

Competence of service personnel

1.General

Information of procedures additional to usual information for refrigerating appliance installation, repair,maintenance and decommission procedures is required when an appliance with FLAMMABLE REFRIGERANT is affected.

The training of these procedures is carried out by national training organisations or manufacturers that are accredited to teach the relevant national competency standards that may be set in legislation.

The achieved competence should be documented by a certificate.

2.Information and training

2.1)The training should include the substance of the following:

2.2)Information about the explosion potential of FLAMMABLE REFRIGERANTS to show that flammables may be dangerous when handled without care.

2.3)Information about POTENTIAL IGNITION SOURCES, especially those that are not obvious, such as lighters, light switches, vacuum cleaners, electric heaters.

2.4)Information about the different safety concepts:
Unventilated-Safety of the appliance does not depend on ventilation of the housing. Switching off the appliance or opening of the housing has no significant effect on the safety. Nevertheless, it is possible that leaking refrigerant may accumulate inside the enclosure and flammable atmosphere will be released when the enclosure is opened.

Ventilated enclosure-Safety of the appliance depends on ventilation of the housing. Switching off the appliance or opening of the enclosure has a significant effect on the safety. Care should be taken to ensure sufficient ventilation before.

Ventilated room -Safety of the appliance depends on the ventilation of the room. Switching off the appliance or opening of the housing has no significant effect on the safety. The ventilation of the room shall not be switched off during repair procedures.

2.5)Information about refrigerant detectors:
- Principle of function, including influences on the operation.

- Procedures, how to repair, check or replace a refrigerant detector or parts of it in a safe way.

- Procedures, how to disable a refrigerant detector in case of repair work on the refrigerant carrying parts.

2.6)Information about the concept of sealed components and sealed enclosures according to IEC60079-15:2010.

2.7)Information about the correct working procedures:

a)Commissioning

- Ensure that the floor area is sufficient for the REFRIGERANT CHARGE or that the ventilation duct is assembled in a correct manner.
- Connect the pipes and carry out a leak test before charging with refrigerant.
- Check safety equipment before putting into service.

b) Maintenance

- Portable equipment shall be repaired outside or in a workshop specially equipped for servicing units with FLAMMABLE REFRIGERANTS.
- Ensure sufficient ventilation at the repair place.
- Be aware that malfunction of the equipment may be caused by refrigerant loss and a refrigerant leak is possible.
- Discharge capacitors in a way that won't cause any spark. The standard procedure to short circuit the capacitor terminals usually creates sparks.
- Reassemble sealed enclosures accurately. If seals are worn, replace them.
- Check safety equipment before putting into service.

c) Repair

• Portable equipment shall be repaired outside or in a workshop specially equipped for servicing units with FLAMMABLE REFRIGERANTS.

• Ensure sufficient ventilation at the repair place.

• Be aware that malfunction of the equipment may be caused by refrigerant loss and a refrigerant leak is possible.

• Discharge capacitors in a way that won't cause any spark.

• When brazing is required, the following procedures shall be carried out in the following order:

- Safely remove the refrigerant following local and national regulations. If the recovery is not required by national regulations, drain the refrigerant to the outside. Take care that the drained refrigerant will not cause any danger. In doubt, one person should guard the outlet. Take special care that drained refrigerant will not float back into the building;

- Purge the refrigerant circuit with oxygen free nitrogen;

- Evacuate the refrigerant circuit;

- Purge the refrigerant circuit with nitrogen for 5 min (not required for A2L refrigerants).

- Evacuate again (not required for A2L refrigerants).

- Remove parts to be replaced by cutting or brazing.

- Purge the braze point with nitrogen during the brazing procedure required for repair.

- Carry out a leak test before charging with refrigerant.

• Reassemble sealed enclosures accurately. If seals are worn, replace them.

• Check safety equipment before putting into service.

d) Decommissioning

• If the safety is affected when the equipment is putted out of service, the REFRIGERANT CHARGE shall be removed before decommissioning.

• Ensure sufficient ventilation at the equipment location.

• Be aware that malfunction of the equipment may be caused by refrigerant loss and a refrigerant leak is possible.

• Discharge capacitors in a way that won't cause any spark.

• Remove the refrigerant. If the recovery is not required by national regulations, drain the refrigerant to the outside. Take care that the drained refrigerant will not cause any danger. In doubt,one person should guard the outlet. Take special care that drained refrigerant will not float back into the building.

• When FLAMMABLE REFRIGERANTS except A2L REFRIGERANTS are used.

- Evacuate the refrigerant circuit.

- Purge the refrigerant circuit with nitrogen for 5 min.

- Evacuate again.

- Fill with nitrogen up to atmospheric pressure.

- Put a label on the equipment that the refrigerant is removed.

e) Disposal

• Ensure sufficient ventilation at the working place.

• Remove the refrigerant. If the recovery is not required by national regulations, drain the refrigerant to the outside. Take care that the drained refrigerant will not cause any danger. In doubt,one person should guard the outlet. Take special care that drained refrigerant will not float back into the building.

• When flammable refrigerants are used,

- evacuate the refrigerant circuit.

- purge the refrigerant circuit with oxygen free nitrogen.

- evacuate again. (not required for A2L refrigerants); and

- cut out the compressor and drain the oil.

Information on servicing

1.General
The manual shall contain specific information for service personnel according.

2.Checks to the area
Prior to beginning work on systems containing FLAMMABLE REFRIGERANTS, safety checks are necessary to ensure that the risk of ignition is minimised.For repair to the REFRIGERATING SYSTEM.

3.Work procedure
Work shall be undertaken under a controlled procedure so as to minimise the risk of a flammable gas or vapour being present while the work is being performed.

4.General work area
All maintenance staff and others working in the local area shall be instructed on the nature of work being carried out. Work in confined spaces shall be avoided.

5.Checking for presence of refrigerant
The area shall be checked with an appropriate refrigerant detector prior to and during work, to ensure the technician is aware of potentially toxic or flammable atmospheres. Ensure that the leak detection equipment being used is suitable for use with all applicable refrigerants, i. e. non-sparking, adequately sealed or intrinsically safe.

6.Presence of fire extinguisher
If any hot work is to be conducted on the refrigerating equipment or any associated parts, appropriate fire extinguishing equipment shall be available to hand.Have a dry powder or CO_2 fire extinguisher adjacent to the charging area.

7.No ignition sources
No person carrying out work in relation to a REFRIGERATING SYSTEM which involves exposing any pipe work shall use any sources of ignition in such a manner that it may lead to the risk of fire or explosion. All possible ignition sources, including cigarette smoking, should be kept sufficiently far away from the site of installation, repairing, removing and disposal, during which refrigerant can possibly be released to the surrounding space. Prior to work taking place, the area around the equipment is to be surveyed to make sure that there are no flammable hazards or ignition risks. “No Smoking” signs shall be displayed.

8.Ventilated area

Ensure that the area is in the open or that it is adequately ventilated before breaking into the system or conducting any hot work. A degree of ventilation shall continue during the period that the work is carried out. The ventilation should safely disperse any released refrigerant and preferably expel it externally into the atmosphere.

9.Checks to the refrigerating equipment

Where electrical components are being changed, they shall be fit for the purpose and to the correct specification. At all times the manufacturer's maintenance and service guidelines shall be followed. If in doubt, consult the manufacturer's t echnical department for assistance.

The following checks shall be applied to installations using FLAMMABLE REFRIGERANTS:

- the actual REFRIGERANT CHARGE is in accordance with the room size within which. the refrigerant containing parts are installed;

- the ventilation machinery and outlets are operating adequately and are not obstructed;

- if an indirect refrigerating circuit is being used, the secondary circuit shall be checked for the presence of refrigerant;

- marking to the equipment continues to be visible and legible. Markings and signs that are illegible shall be corrected;

- refrigerating pipe or components are installed in a position where they are unlikely to be exposed to any substance which may corrode refrigerant containing components, unless the components are constructed of materials which are inherently resistant to being corroded or are suitably protected against being so corroded.

10.Checks to electrical devices

Repair and maintenance to electrical components shall include initial safety checks and component inspection procedures. If a fault exists that could compromise safety, then no electrical supply shall be connected to the circuit until it is satisfactorily dealt with. If the fault cannot be corrected immediately but it is necessary to continue operation, an adequate temporary solution shall be used. This shall be reported to the owner of the equipment so all parties are advised.

Initial safety checks shall include:

- that capacitors are discharged: this shall be done in a safe manner to avoid possibility of sparking;
- that no live electrical components and wiring are exposed while charging, recovering or purging the system;
- that there is continuity of earth bonding.

11.Repairs to sealed components

Sealed electrical components shall be replaced.

12.Repair to intrinsically safe components

Intrinsically safe components must be replaced.

13.Cabling

Check that cabling will not be subject to wear, corrosion, excessive pressure, vibration, sharp edges or any other adverse environmental effects. The check shall also take into account the effects of aging or continual vibration from sources such as compressors or fans.

14.Detection of flammable refrigerants

Under no circumstances shall potential sources of ignition be used in the searching for or detection of refrigerant leaks. A halide torch (or any other detector using a naked flame) shall not be used.

The following leak detection methods are deemed acceptable for all refrigerant systems.

Electronic leak detectors may be used to detect refrigerant leaks but, in the case of FLAMMABLE REFRIGERANTS, the sensitivity may not be adequate, or may need re-calibration. (Detection equipment shall be calibrated in a refrigerant-free area.) Ensure that the detector is not a potential source of ignition and is suitable for the refrigerant used. Leak detection equipment shall be set at a percentage of the LFL of the refrigerant and shall be calibrated to the refrigerant employed, and the appropriate percentage of gas(25 % maximum) is confirmed.

Leak detection fluids are also suitable for use with most refrigerants but the use of detergents containing chlorine shall be avoided as the chlorine may react with the refrigerant and corrode the copper pipe-work.

NOTE Examples of leak detection fluids are:

- bubble method.

- fluorescent method agents.

If a leak is suspected, all naked flames shall be removed/extinguished.

If a leakage of refrigerant is found which requires brazing, all of the refrigerant shall be recovered from the system, or isolated (by means of shut off valves) in a part of the system remote from the leak.

15.Removal and evacuation

When breaking into the refrigerant circuit to make repairs - or for any other purpose-conventional procedures shall be used. However, for flammable refrigerants it is important that best practice be followed, since flammability is a consideration.
The following procedure shall be adhered to:

- safely remove refrigerant following local and national regulations;

- evacuate;

- purge the circuit with inert gas(optional for A2L);

- evacuate(optional for A2L);

- continuously flush or purge with inert gas when using flame to open circuit ;and

- open the circuit.

The refrigerant charge shall be recovered into the correct recovery cylinders if venting is not allowed by local and national codes. For appliances containing flammable refrigerants, the system shall be purged with oxygen-free nitrogen to render the appliance safe for flammable refrigerants. This process might need to be repeated several times. Compressed air or oxygen shall not be used for purging refrigerant systems.

For appliances containing flammable refrigerants, refrigerants purging shall be achieved by breaking the vacuum in the system with oxygen-free nitrogen and continuing to fill until the working pressure is achieved, then venting to atmosphere, and finally pulling down to a vacuum (optional for A2L). This process shall be repeated until no refrigerant is within the system (optional for A2L). When the final oxygen-free nitrogen charge is used, the system shall be vented down to atmospheric pressure to enable work to take place.
The outlet for the vacuum pump shall not be close to any potential ignition sources, and ventilation shall be available.

16.Charging procedures

In addition to conventional charging procedures, the following requirements shall be followed.

- Ensure that contamination of different refrigerants does not occur when using charging equipment. Hoses or lines shall be as short as possible to minimise the amount of refrigerant contained in them.

- Cylinders shall be kept in an appropriate position according to the instructions.

- Ensure that the REFRIGERATING SYSTEM is earthed prior to charging the system with refrigerant.

- Label the system when charging is complete (if not already).

- Extreme care shall be taken not to overfill the REFRIGERATING SYSTEM.

Prior to recharging the system, it shall be pressure-tested with the appropriate purging gas. The system shall be leak-tested on completion of charging but prior to commissioning. A follow up leak test shall be carried out prior to leaving the site.

17.Decommissioning

Before carrying out this procedure, it is essential that the technician is completely familiar with the equipment and all its detail. It is recommended good practice that all refrigerants are recovered safely. Prior to the task being carried out, an oil and refrigerant sample shall be taken in case analysis is required prior to re-use of recovered refrigerant. It is essential that electrical power is available before the task is commenced.

a) Become familiar with the equipment and its operation.

b) Isolate system electrically.

c) Before attempting the procedure, ensure that:
- mechanical handling equipment is available, if required, for handling refrigerant cylinders;
- all personal protective equipment is available and being used correctly;
- the recovery process is supervised at all times by a competent person;
- recovery equipment and cylinders conform to the appropriate standards.

d) Pump down refrigerant system, if possible.

e) If a vacuum is not possible, make a manifold so that refrigerant can be removed from various parts of the system.

f) Make sure that cylinder is situated on the scales before recovery takes place.

g) Start the recovery machine and operate in accordance with instructions.

h) Do not overfill cylinders (no more than 80 % volume liquid charge).

I) Do not exceed the maximum working pressure of the cylinder, even temporarily.

j) When the cylinders have been filled correctly and the process completed, make sure that the cylinders and the equipment are removed from site promptly and all isolation valves on the equipment are closed off.

k) Recovered refrigerant shall not be charged into another REFRIGERATING SYSTEM unless it has been cleaned and checked.

18.Labelling

Equipment shall be labelled stating that it has been de-commissioned and emptied of refrigerant. The label shall be dated and signed. For appliances containing FLAMMABLE REFRIGERANTS, ensure that there are labels on the equipment stating the equipment contains FLAMMABLE REFRIGERANT.

19.Recovery

When removing refrigerant from a system, either for servicing or decommissioning, it is recommended good practice that all refrigerants are removed safely.

When transferring refrigerant into cylinders, ensure that only appropriate refrigerant recovery cylinders are employed. Ensure that the correct number of cylinders for holding the total system charge is available. All cylinders to be used are designated for the recovered refrigerant and labelled for that refrigerant (i. e. special cylinders for the recovery of refrigerant). Cylinders shall be complete with pressure-relief valve and associated shut-off valves in good working order. Empty recovery cylinders are evacuated and, if possible, cooled before recovery occurs.

The recovery equipment shall be in good working order with a set of instructions concerning the equipment that is at hand and shall be suitable for the recovery of the flammable refrigerant. If in doubt, the manufacturer should be consulted. In addition, a set of calibrated weighing scales shall be available and in good working order. Hoses shall be complete with leak-free disconnect couplings and in good condition.

The recovered refrigerant shall be processed according to local legislation in the correct recovery cylinder, and the relevant waste transfer note arranged. Do not mix refrigerants in recovery units and especially not in cylinders.

If compressors or compressor oils are to be removed, ensure that they have been evacuated to an acceptable level to make certain that flammable refrigerant does not remain within the lubricant. The compressor body shall not be heated by an open flame or other ignition sources to accelerate this process. When oil is drained from a system, it shall be carried out safely.

1.This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
2.Children should be supervised to ensure that they do not play with the appliance.
3.If the SUPPLY CORD is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
4.That the appliance shall be installed in accordance with national wiring regulations.
5.The applicable operating temperature range for this unit is 41℉-95℉;
6.The red casing on the process pipe needs to be replaced with a new one and put back in place when service is done.

02 IMPORTANT SAFETY INSTRUCTIONS

To prevent injury and property damage, the following instructions must be followed when using the dehumidifier.

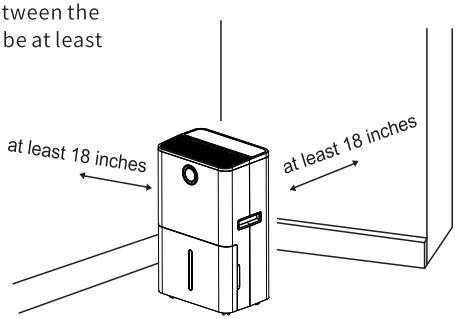
Warning

- Do not place the dehumidifier near a heater.
- Do not use the dehumidifier near fammabe gas or combustibles, such as gasoline, benzene, thinner, etc
- Always plug into a grounded outlet properly.
- Do not use it if the power cord is broken or damaged.
- Do not use the socket if it is loose or damaged.
- Do not modify it power cord length or share the outlet with other dehumidifiers.
- Never try to take apart or repair the dehumidifier by yourself.
- Do not place a heavy object on the power cord and make sure that the cord is not compressed.
- Do not place flower vases or other water containers on top of the dehumidifier.
- Do not operate or turn off the dehumidifier by plugging in or unplugging the dehumidifier. Use the control panel instead.
- Make sure to turn off and unplug the dehumidifier before cleaning.
- Do not clean the dehumidifier with water. If water enters the dehumidifier, turn off the dehumidifier immediately.
- Care should be taken when using the dehumidifier in a room: infants, children, and the elderly.
- Disconnect the power if strange sounds, odors, or smoke come from the dehumidifier.
- Hold the plug by the head when taking it out.
- Turn offand disconnect the power when not using the dehumidifier for a long time.
- Use a soft cloth to clean. Do not use wax, thinner, or a strong detergent.
- Be sure to replace the bucket properlyafter emptying it to prevent water from dripping on the floor.
- Do not climb on or sit on the dehumidifier
- Never insert your finger or other foreign objects into grills or openings. Take special care to warn Children of these dangers.
- Children should be supervised to ensure that they do not play with the appliance.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory, or mental capabilities or a lack of experience and knowledge, unless they have been given supervision or instructions for the use of the appliance by a person responsible for their safety.
- The red casing on the process pipe needs to be replaced with a new one and put back in place when service is done.

Important notes

For the sake of safety, please read this manual carefully before using the product for the first time, and keep the manual for reference. This product is for household use only. Please use this product according to the installation and operation instructions in this manual.

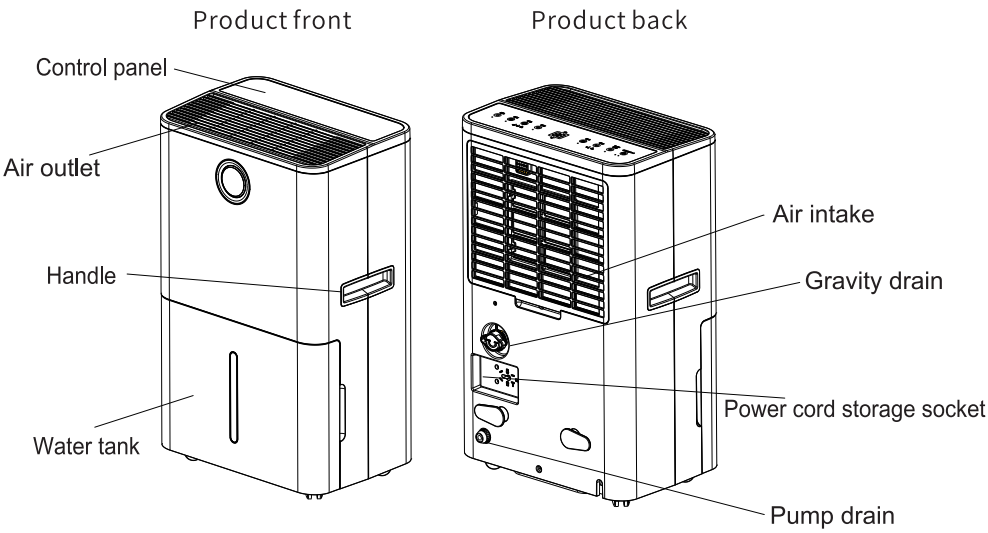
- Unplug the power plug before cleaning or storing the dehumidifier.
- Do not spray the machine with water, insecticide, or flammable liquids.
- Do not place the machine near heating devices or inflammable dangerous goods.
- Do not insert fingers or sticks into the air inlet or outlet.
- The machine body shall be kept horizontal, and the machine shall not be placed on uneven or inclined ground.
- The machine shall not be used in a closed and narrow space.
- If the clothes drying function is used, the clothes should be kept at least 15.74in away from the air outlet to prevent the water on the clothes from dripping into the machine and damaging the machine.
- The power supply wiring of the machine must be carried out in accordance with the national wiring rules, and the power line must be reliably connected to the external grounding wire.
- If the power cord is damaged, it must be replaced by the manufacturer or its maintenance department or similar full-time personnel to avoid danger.
- Model and specification of fuse tube: 3.15 A.
- Dehumidifiers shall not be used by persons (including children) who are physically, sensorily, or intellectually weak, or who lack experience and knowledge, unless they are supervised or directed by an adult.
- Children should be supervised to ensure they do not play with equipment.
- When the machine is in use, the distance between the machine and the surrounding objects shall be at least 7.87in, as shown in the figure:



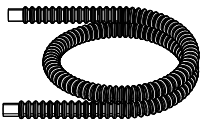
Introduction to Product Components

Product components

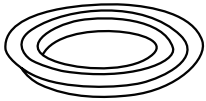
Note: All illustrations in this manual are only used for illustration. The actual appearance and function shall be subject to the purchased product.



Product components



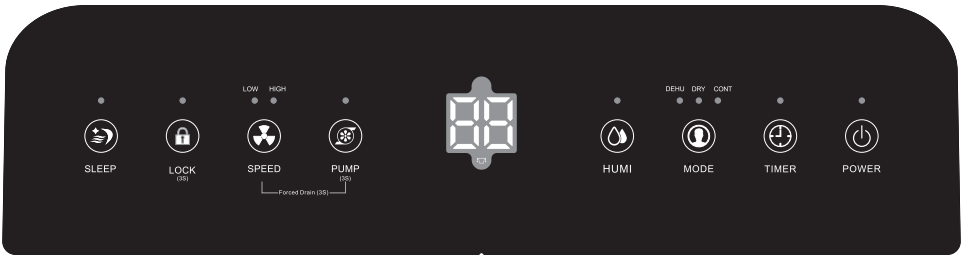
Drain hose
(internal diameter ϕ 5/8 in)



Pump drain pipe
(internal diameter ϕ 1/4 in)

Note: The product components are configured according to the functions of the actual model

03 OPERATION INSTRUCTION



Key Description

Child lock key
For activation and deactivation of the child lock function.

Mode key
Choice of working mode.

Wind speed key
To switch between wind speeds.

Humidity key
For setting the humidity threshold

Timing key
Used to set the time on the device, the setting range is 1~24h.

Power button
To turn the machine on/off.

Pump to Drain:
Press and hold the screen for 3 seconds

Sleep Button:
To turn the sleep on/off.

Forced Drain
Press and hold together for 3s to force drain (Unable to drain tank water)

Function Set

- **Power button:** Used to turn the device on and off.
- **Mode setting:** When the device is powered on, press the [⏻] button to switch between modes.
  - Dehumidification Mode: The start and stop of the compressor are controlled by the set humidity. Both humidity and fan speed are adjustable.
  - Continuous Mode: The compressor runs continuously. Fan speed is adjustable, while humidity setting is not available.
  - Drying Mode: The compressor runs continuously. The fan speed is forced to high gear. Neither humidity nor fan speed is adjustable.
- **Humidity setting:** In dehumidification mode “ 💧 ”, press the “ 💧 ”button once to enter the humidity setting mode. " 88 " During the flashing period, press the “ 💧 ” button to set the humidity value. The adjustable range is 30% to 80% RH, and the setting can be cycled through. Each press of the “ 💧 ” button increases the set humidity value by 5% RH.

  Press and hold the “ 💧 ” button for more than 2 seconds to continuously adjust the humidity setting, with the value changing 5 times per second. The humidity setting will be confirmed and the setting mode will exit automatically after 5 seconds of inactivity, and the dual 8-segment digital display will show the ambient humidity.
- **Timing settings:**

  When the machine is turned on, when the timing setting is completed and the timing is effective, the timing indicator light will be on for a long time, and the "88" digital tube will return to the humidity value.

  When the machine is turned off, when the timing setting is completed and the timing is effective, the timing indicator light will be on for a long time, and the "88" digital tube will display the remaining value of the timing.
- **Child lock settings:**

  Press and hold the“LOCK” button for 3 seconds, whether the device is powered on or off, to enable or disable the child lock function.

- **Water full protection:** When the device is powered on, press and hold the Pump button for 3 seconds to turn the water pump function on or off. The water pump will operate automatically when the water level in the tank reaches a preset level. The water pump indicator light flashes when the water pump is in operation. The water pump function is turned off by default.

- **Fan speed setting:** The device has two fan speed settings: high and low.Press the fan speed button to toggle between the two speeds automatically.
  Note: Speed adjustment is not available in dry mode.

- **Sleep Button:** When the device is powered on, press the " SLEEP " button once to activate sleep mode. After entering sleep mode, all other displays and indicator lights will turn off, and only the sleep indicator light will stay on. Press the Sleep button again when the device is awake to deactivate the sleep function.

- **Automatic Defrosting Function:** The fan speed will be set to high during defrosting.

- **Status Indication:**

- **Timer status indicator is on "o":** It glows brightly when the timer is active; turns off when the timer is inactive; and flashes when the timer is being set or checked.
- **Continuous Dehumidification Mode Indicator Light:** The light turns on when the continuous dehumidification mode is activated; otherwise, it turns off.checked.
- **Dehumidification Mode Indicator Light:** The light turns on when the dehumidification mode is activated; otherwise, it turns off.
- **Dry Mode Indicator Light:** The light turns on when the dry mode is activated; otherwise, it turns off.
- **Low Fan Speed Indicator Light:** The light stays on continuously when the fan speed is set to low; otherwise, it turns off.
- **High Fan Speed Indicator Light:** The light stays on continuously when the fan speed is set to high; otherwise, it turns off.
- **Child Lock Indicator Light:** The light stays on continuously when the child lock is activated; otherwise, it turns off.
- **Water Full Indicator Light:** The light turns on when the water full alarm is triggered; otherwise, it turns off.
- **"O" Sleep Indicator Light:** The light turns on when sleep mode is activated; otherwise, it turns off.

- Compressor 3-minute Start-stop Protection Function
  In the non-power-off state, the compressor must meet the requirements of the 3-minute start-stop protection.

Memory Function

- The device automatically resumes its working status after being turned on.
- If a power outage occurs while the device is running, the set configurations or parameters will be retained when the device is restarted.
- If a power outage occurs while the device is turned off, the device will remain in the shutdown state when it is powered on again.

Fault/Alarm Instructions

- Humidity sensor fault: Display shows "25" or "99".
- Water full alarm
- When water is full, the device stops working. After about 3 minutes, the water full indicator light flashes or stays on, and the buzzer sounds an alarm.
- Communication EC fault: Contact after-sales service for repair.

Water Pump EP Fault:

- Check if the water pump is running continuously. If yes, contact after-sales service for repair.
- Power the device on and off or cut off the power supply to clear the fault.

Notice:

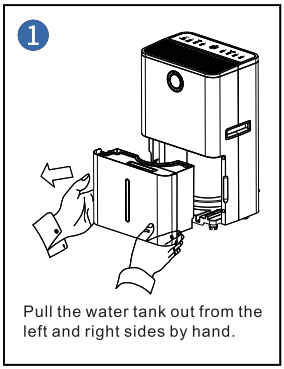
1. The water tank needs to be properly filled, otherwise it will lead to detection of a full tank.
2. When the machine detects that the water is full during normal dehumidification , the compressor stops working, and the fan continues to run for 3 minutes and then stops, at which time it prompts that the water is full.

Water tank drainage

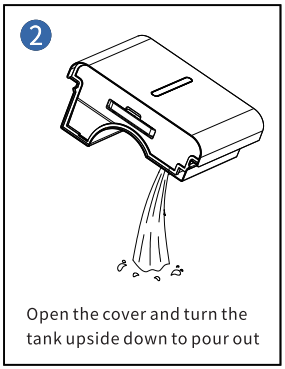
- Please make sure that the air outlet is open before starting the machine, otherwise the machine will be overheated.
- Do not stop the machine by directly unplugging the power cord.

When the water tank is full, the water full indicator light will illuminate or flash, and the machine will stop automatically. At this point, the water tank must be emptied and replaced in the correct position.

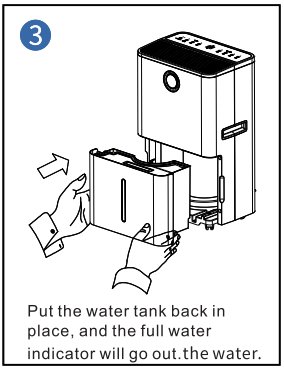
Empty the water tank



Pull the water tank out from the left and right sides by hand.



Open the cover and turn the tank upside down to pour out



Put the water tank back in place, and the full water indicator will go out.the water.

Note:

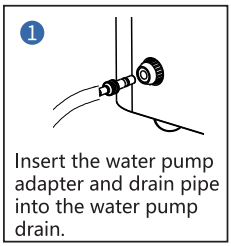
- Do not remove the float from the water tank. If the float is removed from the water tank, the full water sensor will not be able to sense the water level properly, so that the water will overflow from the tank when it is full.

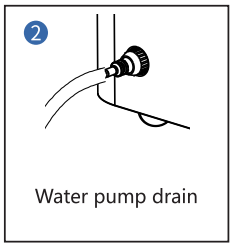
- If the water tank is very dirty, just use cold or warm water to clean it. Do not use detergent, steel wool, chemical dust cloth, gasoline, benzene, thinner or other solvents, otherwise it may damage the water tank and cause it to leak.

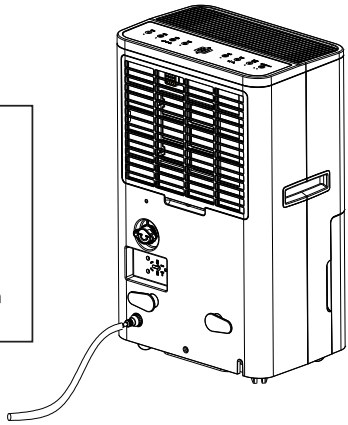
- When it is put into the water tank, press the water tank tightly by hand. If the water tank is not placed properly, the full water state can not be removed, and the machine will still be unable to operate normally.

Pump drainage (model with water pump)

● Please connect the pump drain pipe (inner diameter of 1/4 inch) before selecting the pump drainage mode.
To install the pump drain pipe:
Step1: Connect the pump drain pipe to one end of the adapter
Step2: Connect the other end of the adapter to the drainage port of the device, hold the device with your hand to prevent it from tipping over.
Take out the pump drain pipe:
Stabilize the device, push the water pump adapter ring forward, and pull out the drainage pipe.
Note: When the device is in pump drainage mode, it is not allowed to open the gravity drain port. The pump drainage pipe should be connected and the "pump" button on the device should be pressed for 3 s to start the pump drainage mode.
Please contact us if you have any questions
(Pump drain pipe (internal diameter φ 1/4 in)







Water pump drainage(this operation is only applicable to the model with water pump function)

● **Drainage through water pump:** Ensure that the dehumidifier is turned off. insert one end of the water pump drainage pipe into the drainage outlet at least 0.6-0.7 inches deep, and connect the other end to the sewer or other water storage tank. Then, when turned on the dehumidifier, press and hold the "PUMP" button for 3S to start the water pump. When the water level in the pump water tank rises to the programmed drainage level, the water pump begins to pump and discharge.

Note: Be sure to connect the drain pipe firmly to avoid water leakage.

● **Drainage do not through water pump**: When the dehumidifier is turned on, press the "Pump" button for 3S to turn off the water pump. At this time, the water pump indicator light "PUMP" will go out. Hold down the locking ring of the drainage outlet joint with one hand, and pull out the drainage pipe with the other hand. The next time a dehumidifier is used, the drainage will enter the water tank instead of going through the water pipe. After the next start of the dehumidifier, the water will be discharged into the water tank for storage until the water tank is full, and the water tank will be manually removed and poured.

● **When storing the dehumidifier for an extended period without use**, press and hold the“ **PUMP** "+“ **SPEED**" button for 3S to drain any remaining water in the Pump water tank . This prevents water over flow when moving the machine.

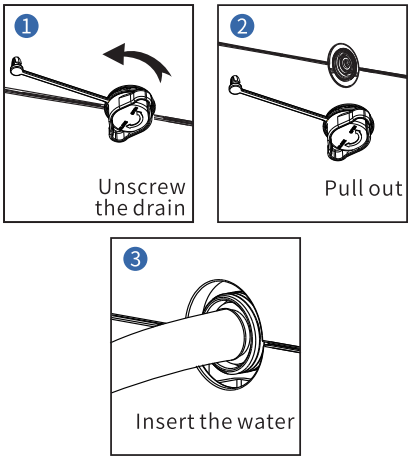
Attention: The drainage process of the water pump will last for about a period of time until the water in the Pump water tank is completely drained before removing the drainage pipe. Before re moving the drainage pipe, please pay attention to the residual water inside the pipe to avoid wetting the floor.

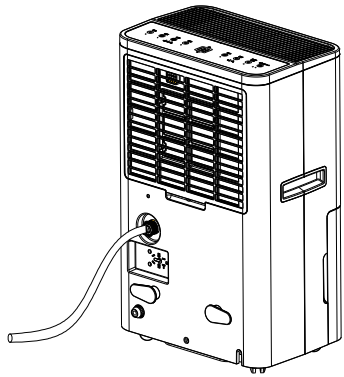
Continuous drainage (model without water pump)

● Unplug the power supply, unscrew the drain cover and pull out the rubber plug.

● Insert the drain hose into the continuous drain outlet and connect the power supply to start the machine. The water outlet of the water pipe shall be more than 4inch lower than the continuous drainage outlet, and the water pipe shall not be bent to ensure smooth drainage.

(Drain hose(internal diameter Φ 5/8in)





Cleaning and Maintenance

Warning

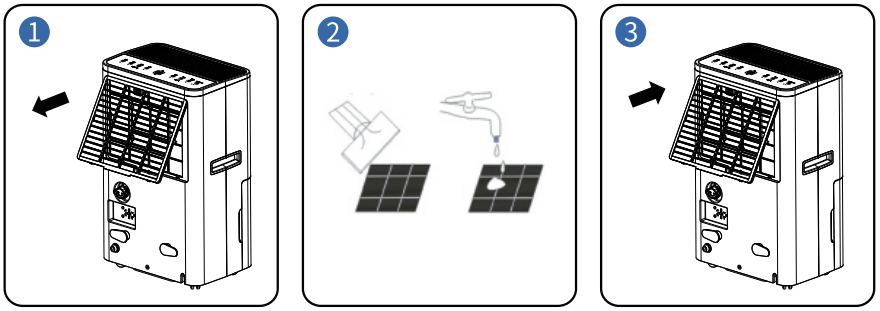
To avoid electric shock, the machine must be turned off and unplugged before cleaning and maintenance.

A-Body cleaning

Wipe the body with a soft, slightly damp cloth.

B-Grille cleaning

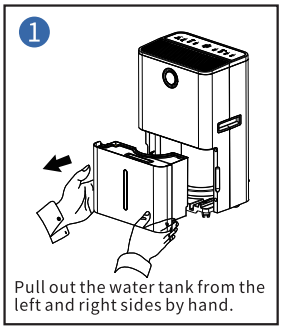
- Hold the small handle on the top of the grille and pull outward to remove the grille.
- Clean the grille: Use a vacuum cleaner to gently remove the dust from the surface of the grille. If the grille is very dirty, use warm water and a mild detergent to wipe it and dry it completely.
- Slowly install the grille back into the body.



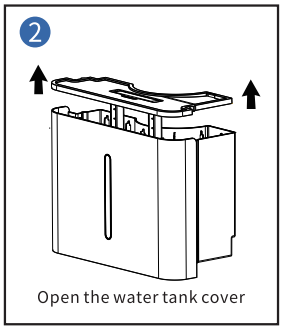
C-Clean the water pump filter screen

Please regularly check whether the water pump filter screen is dirty. If the water pump filter screen is not cleaned for a long time, the residual scale will block the filter screen and the water pump will not be able to drain smoothly.

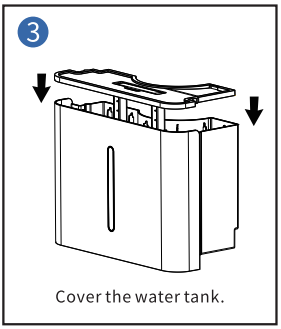
- Pull out the water tank and open the water tank cover.
- Pull out the water pump filter screen inside the water tank, wash it with clean water and wipe it with mild detergent until the scale on the filter screen is cleaned.
- Install the water pump filter back into the water tank.
- Close the water tank cover and put the water tank back in place.



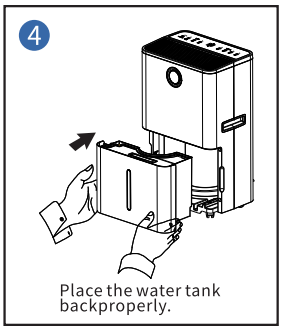
Pull out the water tank from the left and right sides by hand.



Open the water tank cover



Cover the water tank.



Place the water tank backproperly.

D-Dehumidifier storage

When you do not use the dehumidifier for a long time and want to store it, pay attention to the following steps:

1.Empty the water in the water tank. 2.Roll up the power cord and tie it.

3.Clean the grille. 4.Place the machine in a cool and dry environment.

Common Faults and Solutions

If there is any problem in operating the machine during use, please check according to the following table:

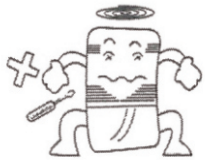
Fault phenomenon	Cause analysis	Exclusion method
The machine doesn't work	Is the power cord properly connected?	Connect the plug and socket.
	Is the water full symbol flashing? Is the water tank full or not in place?	Drain the water from the tank and return it to the correct position on the body.
	Is the room temperature above 95 °F or below 41 °F?	Because this product is not suitable for overheated or overcooled environment, the machine will automatically protect, which is a normal phenomenon.
	Is the room temperature between 41 °F and 68 °F?	The machine will automatically defrost, which is a normal phenomenon.
	Is the ambient humidity lower than the set humidity?	Set the humidity value to be more than 3 RH% less than the ambient humidity or set the humidity set value to 30 RH%
	The machine is protected against frequent starts. Has the machine just stopped?	Please be patient for more than 3 minutes.
The dehumidification efficiency is poor	Poor air flow	A space of about 7.87in should be left around the product.
	Ambient humidity too low	It is a normal phenomenon.
Noisy operation	Is the machine tilted?	Move the machine to a horizontal position.
	Is the air inlet blocked?	Clean the dirt at the air inlet and outlet of the product.
	Is the strainer properly installed?	Check whether the filter bag is removed and correctly positioned as required.
Humidity always shows "25" (when there is a large difference from the actual humidity)	Humidity sensor failure?	When the "25" fault phenomenon is displayed all the time and the humidity is set to 30% RH, the machine can continue to dehumidify and operate normally.
		Repair and replace humidity sensor.
Humidity always shows "99" (when there is a large difference from the actual humidity)	Is the surface of the humidity sensor wet? Humidity sensor failure?	When the "99" fault phenomenon is displayed all the time and the humidity is set to 30% RH, the machine can continue to dehumidify and operate normally.
		Repair and replace humidity sensor.

Notice: Please make sure that the air outlet is open before starting the machine, otherwise the machine will overheat. Never stop the machine directly by unplugging the power cord. lf the problem persists, please shut down and unplug the power plug, Please contact blauwhal to serve **support@avahum.com**

04 SAFETY PRECAUTIONS



1. During usage, Do not place the machine on soft and uneven ground to avoid vibration or movement.



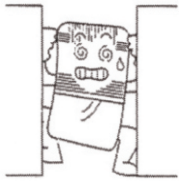
2. Do not use thin rods or hard objects to insert into the fuselage to avoid malfunction and danger.



3. When using, please keep the machine away from heat sources such as heaters and electric kettles to save electricity.



4. When using, please close all doors and windows to achieve the best dehumidifier effect.



5. Do not place items at the front and back of the machine. If ventilation is blocked, the dehumidifier's effect will be diminished.



6. In case of power failure or long-term non-use, please unplug the power cord.



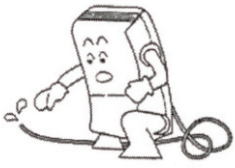
7. When cleaning the fuselage, gently wipe it with a damp cloth. Do not spray water directly.



8. Do not place any objects on the fuselage.



9. Please clean the filter once every two weeks (do not use hot water above 104℉(40 ℃), alcohol, gasoline or any other fluid).



10. During continuous drainage, the drainage pipe must be placed horizontally, and must not be uneven and entangled.



11. After the filter is cleaned, please do not place it in direct sunlight to dry as this may cause deformation.



12. Before moving or transporting the machine, please pour out the accumulated water in the water tank.

05 SPECIFICATIONS

DEHUMIDIFIER	
MODEL	AM150P
POWER SOURCE	120V~60Hz
RATED POWER	1000W
TOTAL INPUT CURRENT	9.0A
MOISTURE REMOVAL CAPACITY(65°F,60%RH)	49.80Pints/Day
MOISTURE REMOVAL CAPACITY(80°F,60%RH)	70 Pints/Day
MOISTURE REMOVAL CAPACITY(86°F,80%RH)	120 Pints/Day
MOISTURE REMOVAL CAPACITY(95°F,90%RH)	150 Pints/Day
INPUT POWER(65°F,60%RH)	487W
INPUT CURRENT(65°F,60%RH)	4.3A
IEF(65°F,60%RH)	2.01 liters/kWh
MOTOR FLA	0.60A
MOTOR COMPRESSOR	RLA:8.4A LRA: 27.5A
REFRIGERAN/CHARGED	R32/190g(6.70ozs)
MAXIMUM ALLOWABLE PRESSURE	6.5MPa
MAXIMUM ALLOWABLE DISCHARGE PRESSURE	4.0MPa
MAXIMUM ALLOWABLE SUCTION PRESSURE	1.7MPa

Limited Warranty

Warranty and Service

If you have an issue with an avahum product, please contact us at support@avahum.com , and we will do our best to resolve it for you.



Support Hours

24 Hours available

*Please have your order number before contacting customer support.

http://www.avahum.com

Scan the code for support

Product Certification

The product is approved to leave the factory after passing the inspection.

Production date: see the nameplate or barcode of the fuselage

Pass OQC

AVAHUM