

Avalla

Dehumidifiers



X-125

X-150

X-200

Read this manual carefully before use and keep it for future reference. Failure to do so may result in injury, property damage and may void the warranty.

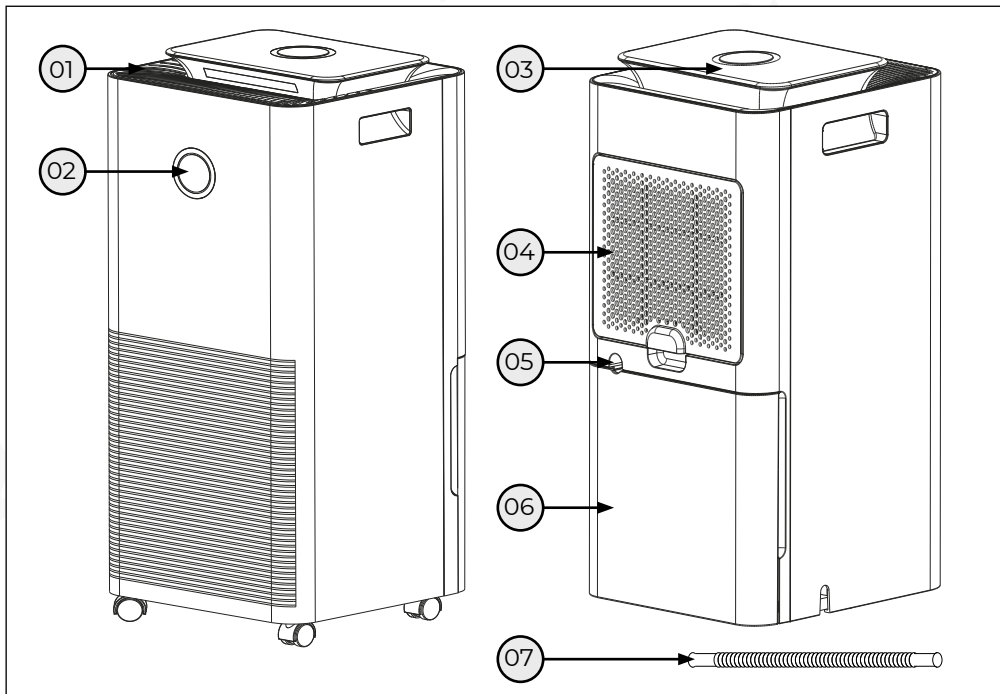


Contents

- 02 Contents
- 03 Quick start guide: X-125 and X-150
 - Parts guide
 - Touch control panel
- 05 Quick start guide: X-200
 - Parts guide
 - Touch control panel
- 07 General operating instructions
 - Empty water tank
 - Continuous drainage
 - Cleaning the air filter
- 08 Troubleshooting
 - Storage
 - Disposal
- 09 Health and safety
 - General safety instructions
 - Connection to the power supply

Quick start guide: X-125 and X-150

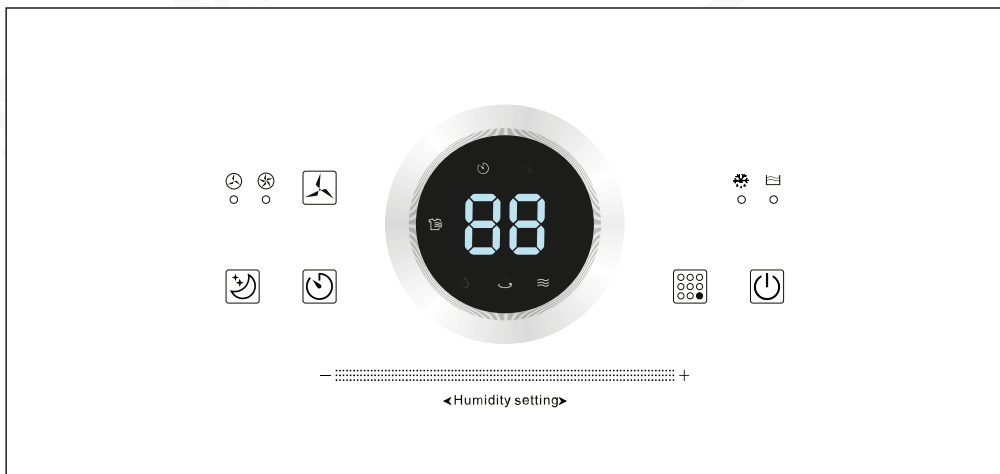
Parts guide



- 01. Air outlet
- 02. Air humidity indicator
- 03. Touch control panel
- 04. Air inlet

- 05. Drainage outlet
- 06. Water tank
- 07. Drainage hose

Touch control panel





Power: Press to toggle power on/off.



Mode: Press to cycle between operation modes:

- Dehumidifier: The unit will stop operation when it has reached target humidity level and will automatically resume if humidity rises again.
- Continuous dehumidifier: The unit operates unrestricted by target humidity levels.
- Clothes dryer: Operates at a lower fan speed.
- Aeration: The fan circulates air without dehumidifying function.



Fan speed: Press to change fan speeds when using dehumidifier and aeration modes:



• Low speed



• High speed



Night mode: Press to toggle the display and lights on/off.



Timer: Pressing timer will cycle 0-24 hours and operates in two ways:

- When power is off, pressing timer will delay the start-up time of the machine.
- When power is on, pressing timer will set the time until the unit shuts down.

Note: Press Timer, Mode or Power button to cancel a set timer.

Note: The timer will stop when the water tank is full and will resume once emptied.



Humidity setting: Slide your finger to increase / decrease the target humidity. The display will flash to show the desired target percentage, then return to show the current humidity.



Defrost light: Illuminates when the unit goes in to self-defrost mode. The dehumidifier will go in to standby. Normal operation will automatically resume when the compressor has defrosted.



Tank full: This light shows you when the tank is full and needs emptying.

Air humidity indicator:



• Blue: Low indoor humidity - below 50%



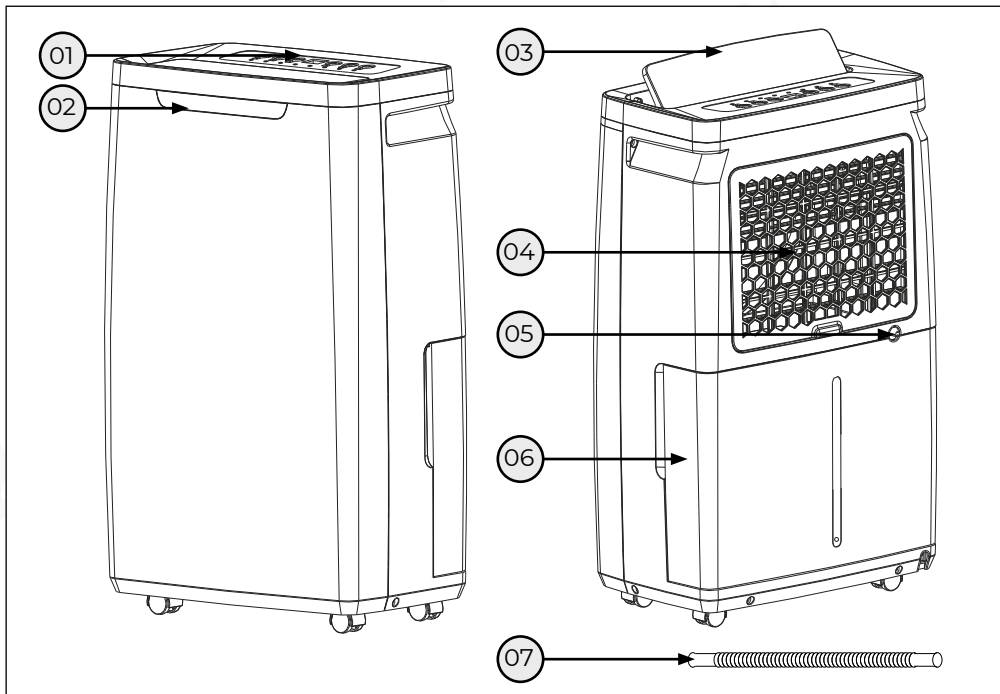
• Green: Medium indoor humidity - between 51-70%



• Red: High indoor humidity - above 71%

Quick start guide: X-200

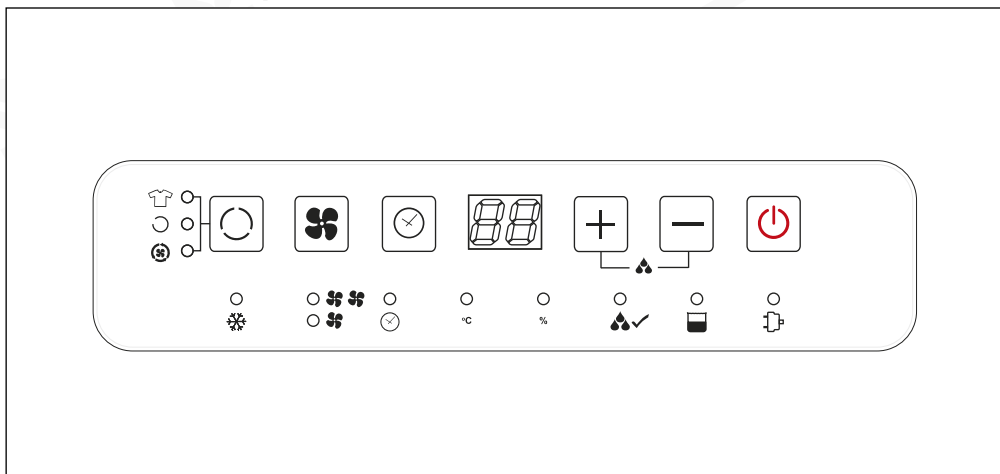
Parts guide



- 01. Touch control panel
- 02. Air humidity indicator
- 03. Air outlet
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- 05. Drainage outlet
- 06. Water tank
- 07. Drainage hose

Touch control panel





Power: Press to toggle power on/off.



- Power indicator illuminates when on and flashes when in standby mode.



Mode: Press to cycle between operation modes:

- Dehumidifier: The unit will stop operation when it has reached target humidity level and will automatically resume if humidity rises again.
- Clothes dryer: Operates at a lower fan speed.
- Aeration: The fan circulates air without dehumidifying function.



Fan speed: Press to change fan speeds when using dehumidifier and aeration modes:

- Low speed
- High speed



Timer: Adjusts the shut down timer for the unit.

- Press timer button followed by plus / minus buttons to increase / decrease timer. The timer icon will illuminate.
- Press timer button when display is flashing to disable timer mode.

Note: The timer will stop when the water tank is full and will resume once emptied.



Humidity setting:

- Press either plus or minus button to set the target humidity level. The display will flash to show the desired target percentage, then return to show the current humidity which is indicated when the percentage light is on.
- When the room reaches target humidity, the icon will illuminate.
- Press and hold the plus button for 3 seconds to display current room temperature.



Defrost light: Illuminates when the unit goes in to self-defrost mode. The dehumidifier will go in to standby. Normal operation will resume when the compressor has defrosted.



Tank full: This light shows you when the tank is full and needs emptying.

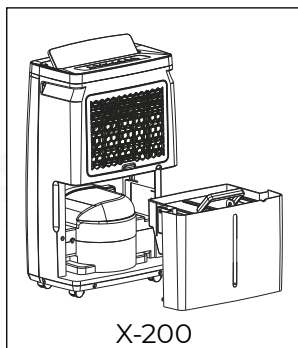
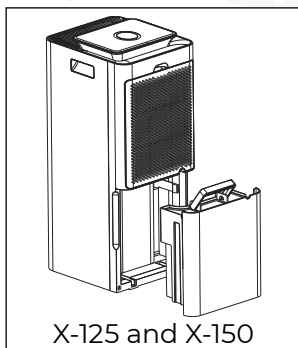
Air humidity indicator:

- Blue: Low indoor humidity - below 50%
- Green: Medium indoor humidity - between 51-70%
- Red: High indoor humidity - above 71%

General operating instructions

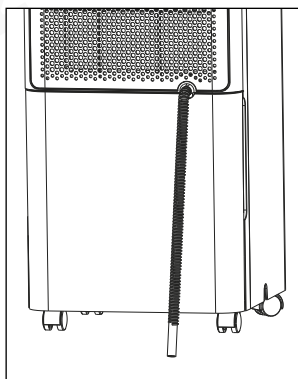
í The Dehumidifier will only operate in temperatures between 5-32°C

Empty water tank



01. Switch off the power to the unit.
02. Remove the water tank from the back and drain.
03. Return the water tank and continue operation.

Continuous drainage



The unit can operate for prolonged periods, bypassing the water tank.

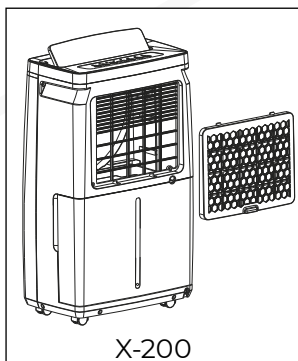
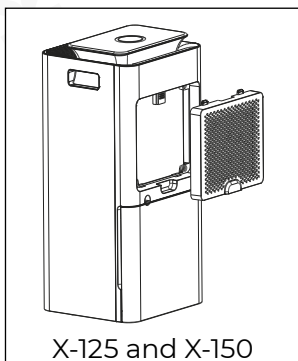
Note: the water tank must be installed or the machine will not run.

Caution: Automatic 'water tank full' shut down is disabled when using continuous drainage.

01. Make sure the power is off.
02. Attach the drainage hose to the drainage outlet.
03. Make sure the end of the drainage hose leads to a suitable drain where overflow is not a risk.

Cleaning the air filter

í Check and clean the air filter regularly to maintain maximum air flow .



01. Make sure power is off.
02. Remove the air intake cover.
03. Remove the air filter.
04. Vacuum with a soft head attachment.
05. Replace the air filter then air intake cover.


Troubleshooting

Issue	Cause	Solution
Unit switches off	Automatic defrosting	Wait for the defrosting mode to end.
Defrosting mode happens frequently	Room temperature too low	If room is below 18°C the unit will require more frequent defrosting to maintain correct operation.
Room humidity remains high	Room too large	Make sure the room size matches the operational requirements of the dehumidifier. Ensure doors and windows are closed.
Clothes not drying	Room temperature too low	Make sure the room is at a temperature where the unit can operate correctly (above 18°C)
Buzzer sound	Water tank full	Empty water tank

Storage

- If the tank is dirty, wash with warm water only, do not use chemicals.
- If the unit will not be used for an extended period, completely drain any water and dry the unit out by leaving the drainage cap off. Dry the water tank with a cloth or towel. Store in a well ventilated, dry area.

Disposal

 Do not dispose of electrical appliances in general waste. Contact your local government for information regarding the disposal options available. If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and cause a hazard for wildlife and human health.

Health and safety

General safety instructions

Symbols from the unit



This unit uses a flammable refrigerant.

If the refrigerant leaks and encounters fire or heat, it may create harmful gas and there is risk of fire.



Class I Construction (Earthed)



Read the user manual carefully before operation.



Service personnel are required to carefully read the user manual.

Warning: Do not operate near combustible or explosive materials, heat sources, or any objects that may block air inlet and outlet. Keep the air inlet and outlet free of obstacles. Only use in rooms that exceed 4m² in size.

Warning: Do not touch the air inlet or the evaporator surface, located behind the filter. Doing so could cause injury. Always ensure the filter is completely dry before reinstalling into the unit.

The following must always be observed for safety

- This appliance is not intended to be used by children. Persons with lack of experience or knowledge, reduced physical, sensory, or mental capabilities, can use this appliance if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- The unit is designed only for use with R-290 propane gas. The refrigerant loop is sealed, only qualified technicians should perform servicing.
- Never discharge the refrigerant into the atmosphere.
- R-290 propane gas is flammable and heavier than air, it collects first in low areas, it can be circulated or dispersed by fans.
- If propane gas is present or even suspected, do not allow untrained personnel to attempt to find the cause. R-290 has no odour, the lack of gas smell does not indicate a lack of escaped gas. Do not allow to get in eyes, on skin, or on clothing. Do not breathe the vapours or gas.
- If a leak is detected, immediately evacuate all persons from the area, ventilate and contact the local fire department to advise them that a propane leak has occurred. Do not let any persons back into the area until the qualified service technician has advised that it is safe to return.
- Component parts must only be replaced with identical repair parts.
- Any person working on, or breaking into a refrigerant circuit, should hold a current valid certificate from an industry-accredited assessment authority, which authorises their competence to handle refrigerants safely in accordance with an industry, recognised assessment specification.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent, or similarly qualified persons.
- The appliance must be disconnected from its power source during servicing, cleaning or when not in use. Do not use chemicals to clean the appliance.

- Always operate the unit from a grounded power outlet of equal voltage, frequency and rating as indicated on the product identification plate.
- Do not operate with wet hands. Keep the unit away from sources of water, moisture, or any other liquids.
- Do not leave the unit running unattended. Do not unplug or tilt the unit while it is in operation.
- Do not unplug by pulling on the power cord.
- Do not use an extension cord.
- Do not put objects on the unit, climb or sit on the unit.
- Do not insert fingers or other objects into the air outlet.
- Do not operate the unit if it is dropped, damaged or showing signs of product malfunction.
- The unit must be installed in accordance with national wiring regulations.
- Do not use means to accelerate the defrosting process.
- The appliance must be stored in a manner to prevent mechanical damage.
- Do not piece or burn, even after use.
- Compliance with national gas regulations must be observed.
- Do not place in direct sunlight or near objects that may cause mechanical vibration or shock.
- Position the unit on an even / flat surface, away from excessive dust, and always maintain the unit to ensure that excessive dust does not accumulate anywhere on the unit.

Failure to abide by any of these warnings could result in a fire, explosion, electric shock, injury, death, and property damage.

Servicing Safety Precautions

Please carefully follow this guidance when undertaking any servicing on this appliance. Any servicing must be carried out by a suitably qualified and registered individual.

Prior to beginning work, safety checks are necessary to ensure that the risk of ignition is minimized. For repair to the refrigerating system, all of the following precautions must be complied with prior to conducting work.

Work Procedure

Work must be undertaken under a controlled procedure to minimize the risk of a flammable gas or vapour being present while the work is being performed.

General Work Area

All maintenance staff and others working in the local area must be instructed on the nature of work being carried out. Work in confined spaces must be avoided. The area around the workspace must be sectioned off. Ensure that the conditions within the area have been made safe by control of flammable material.

Checking for Presence of Refrigerant

The area must be checked with an appropriate refrigerant detector prior to and during work, to ensure the technician is aware of potentially flammable atmospheres. Ensure that the leak detection equipment being used is suitable for use with flammable refrigerants, e.g. no sparking, adequately sealed or intrinsically safe.

Presence of Fire Extinguisher

If any hot work is to be conducted on the refrigeration equipment or any associated parts, appropriate fire extinguishing equipment must be available to hand. Have a dry powder or CO₂ fire extinguisher adjacent to the charging area.

No Ignition Sources

No person carrying out work in relation to a refrigeration system which involves exposing any pipe work that contains or has contained flammable refrigerant

must 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 flammable 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 must be displayed.

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 must 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.

Checks to the Refrigeration Equipment

Where electrical components are being changed, they must be fit for the purpose and to the correct specification. At all times the manufacturer's maintenance and service guidelines must be followed. If in doubt consult the manufacturer's technical department for assistance. The following checks must be applied to installations using flammable refrigerants:

- The charge size 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 must be checked for the presence of refrigerant.
- Marking to the equipment continues to be visible and legible. Markings and signs that are illegible must be corrected.
- Refrigeration 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 corroded.




Checks to Electrical Devices

Repair and maintenance to electrical components must include initial safety checks and component inspection procedures. If a fault exists that could compromise safety, then no electrical supply must 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 must be used. This must be reported to the owner of the equipment, so all parties are advised. Initial safety checks must include:

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

Connection to the power supply

Caution: Risk of electric shock. Do not open.

- This appliance is supplied with a moulded 3 pin mains plug for your safety. The value of the fuse fitted is marked on the pin face of the plug. Should the fuse need replacing, ensure the substitute is of the correct rating, approved to BS1362 and ASTA or BSI Kite marked.
- ASTA:  BSI: 
- The fuse cover is removable with a small plain slot screwdriver. Ensure the fuse cover is replaced before attempting to connect the plug to an electrical outlet. If the cover is missing, a replacement must be obtained or the plug replaced with a suitable type.
- If a replacement plug is to be fitted this must be carried out by a qualified electrician.
- The damaged or incomplete plug, when cut from the cable should be disabled to prevent connection to a live electrical outlet.
- This appliance is Class I and is designed for connection to a power supply matching that detailed on the rating label and compatible with the plug fitted.
- If an extension lead is required, use an approved and compatible lead rated for this appliance. Follow all the instructions supplied with the extension lead.
- Class I : Products with this symbol must have metal parts connected to electrical earth by an earth conductor. The basic requirement is that no single failure can result in dangerous voltage becoming exposed so that it might cause electric shock.

Important: If using an extension lead, follow the instructions that came with your lead regarding maximum load while cable is wound. If in doubt, ensure that the entire cable is unwound. Using a coiled extension lead will generate heat which could melt the lead and cause a fire.

Failure to abide by any of these warnings could result in a fire, explosion, electric shock, injury, death, and property damage.

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