



DT 20L Dehumidifier



USER/INSTRUCTION MANUAL

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1. Safety Information Please Read Before Using This Dehumidifier

This dehumidifier must not be used under the following conditions:

- a) Do not use unit Outdoors
- b) Do not use unit Explosive atmosphere or gases in the air
- c) Do not use unit High ratio of dust in the air
- d) Do not use unit High concentration of solvents in the air

PLEASE READ ALL INSTRUCTIONS CAREFULLY BEFORE OPERATING EQUIPMENT.

WARNING - This dehumidifier must be used only for drying the air. This appliance is intended for use in a domestic or small office environment only. Any other use is not recommended by the manufacturer and may cause fire, electrical shocks or other injury to person or property.

Please follow below safety precautions:

1. Keep Children Away: Do not allow children to play with or around this unit, which could result in an injury. Be sure the unit is not accessible to children when not attended.
2. Persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
3. Ensure that the air inlets and outlets are not blocked or covered. Do not place the unit too near to curtains or other objects maintain minimum distance 50cm.
4. Keep Unit Grounded: Always operate the unit with a grounding plug and a grounded electrical outlet. A grounding plug is an essential safety feature that helps reduce the risk of shock or fire.
5. Protect Power Cord from Damage: Never operate a unit with a damaged power cord, as this may lead to electrical or fire hazards. If the power supply cord is damaged, it must be replaced by a cord of the same type and amperage rating.
6. Protect against electrical shocks, do not immerse unit, plug or cord in water, or spray with liquids. Do not run power cord under carpeting, or cover with rugs or runners. Arrange the cord away from areas where it may be tripped over.
7. Electrical Extension box or cords must not be used. As they may overheat and cause a risk of fire. Only use an extension cord after ensuring from certified electrician. Extension box can also cause voltage drop and will affect the dehumidifier.
8. Handle with Care: Do not drop, throw or crash the dehumidifier. Rough treatment can damage the components or wiring and create a hazardous condition.
9. Run on stable surface: Always operate the unit on a stable, level surface, for example the floor or a strong counter, so that the dehumidifier cannot fall and cause injury. Do not use on a metal floor.
10. Keep Out of Water: Never operate the unit in pooled or standing water, as this may create a risk of injury from electrical shock. If electrical wiring or components become wet, thoroughly dry them before using the unit.
11. Keep Air Intakes Clear: Do not clog or block the air intakes by placing the dehumidifier too close to curtains, walls or anything that will restrict the air inlet. This may cause the unit to overheat and result in a fire or electrical hazard.

12. Keep air Filter clean: Clean air filter frequently depending on dust levels in your room. Do not allow any material to clog the filter, as this may cause the dehumidifier to overheat. Never use without a filter. Do not clean the dehumidifier with powerful solvents.
14. Never unplug the power cord without press the "Power" key to off first, as this could damage the unit. Always unplug the unit when not in use or during moving the location. To disconnect from the power supply, grip the plug and pull from the power socket. Never pull by the cord.
15. Always empty the water tank before moving the unit.
16. Keep this user manual always available to user, operating of using without understanding this user manual is not acceptable.
17. **Dehumidifiers are not life saving equipment, if you are using this unit in any critical areas like OTs or in Hospitals we recommend Keep spare unit as a standby for any sudden failures.**
18. Never operate or store the unit in direct sunlight.
19. Never place anything on top of the unit and do not cover with any kind of material while in use.

2. After Receiving The Dehumidifier

After receiving the unit unpack and check your dehumidifier for any transport damage. In case of damage please inform us immediately.

Keep the packaging for the dehumidifier in a safe place in order to be able to dispatch the dehumidifier safely if it requires a service.

Sealing the room: Do not seal the room completely this may cause reduction of oxygen and increase of carbon dioxide the room, make sure you allow sufficient fresh air.

Wait for 30 minutes: Your dehumidifier may be in horizontal position during transportation; you must keep the upright position for at least 30 minutes before switching ON. This allows the oil to set back into the compressor.

3. Voltage Stabilizer

We recommend voltage stabilizer to protect dehumidifier from voltage fluctuations. This dehumidifier is designed to operate 230V 50Hz supply voltage.

4. How Dehumidifier works

This dehumidifier is designed to reduce humidity from the air in a closed room. The purpose is to help prevent condensation, mold, musty air, dry laundry and other issues associated with high relative humidity.

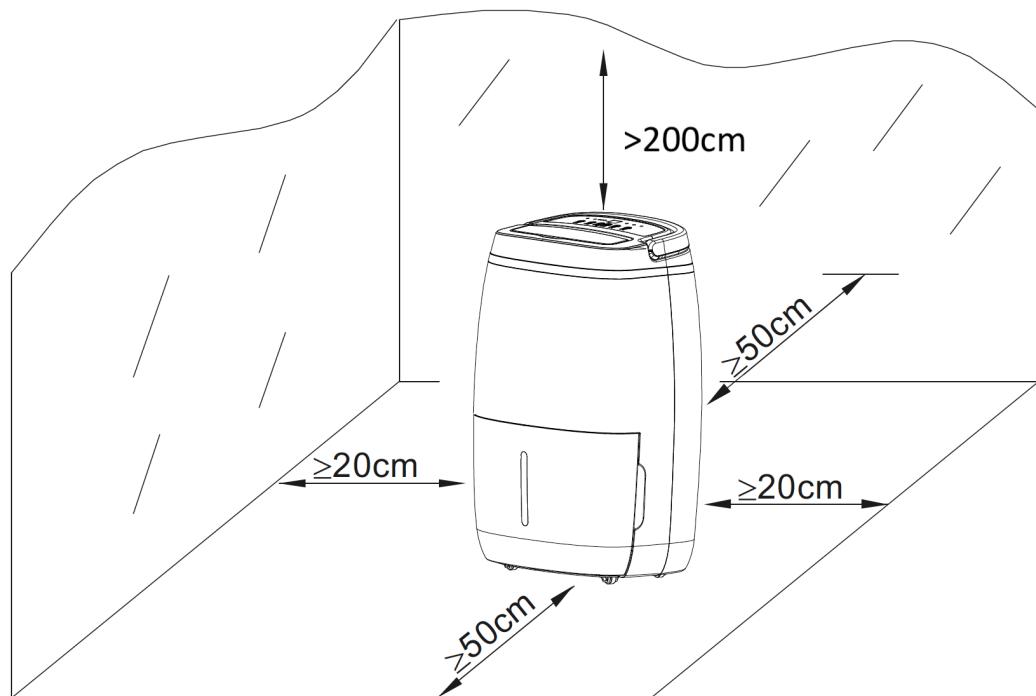
The time necessary for the dehumidifier to dry a room depends on the environmental conditions, and sources of moisture, and the room temperature.

The dehumidifier functions according to the condensation principle with heat recovery. The unit takes the humid air from the room through a filter and then through an evaporator. Here the air is cooled below dew point so that the water vapor of the air forms a condensate on the coils and collects the water in tank. Cooled and dried air then heated by condenser.

5. Specifications And Operating Conditions

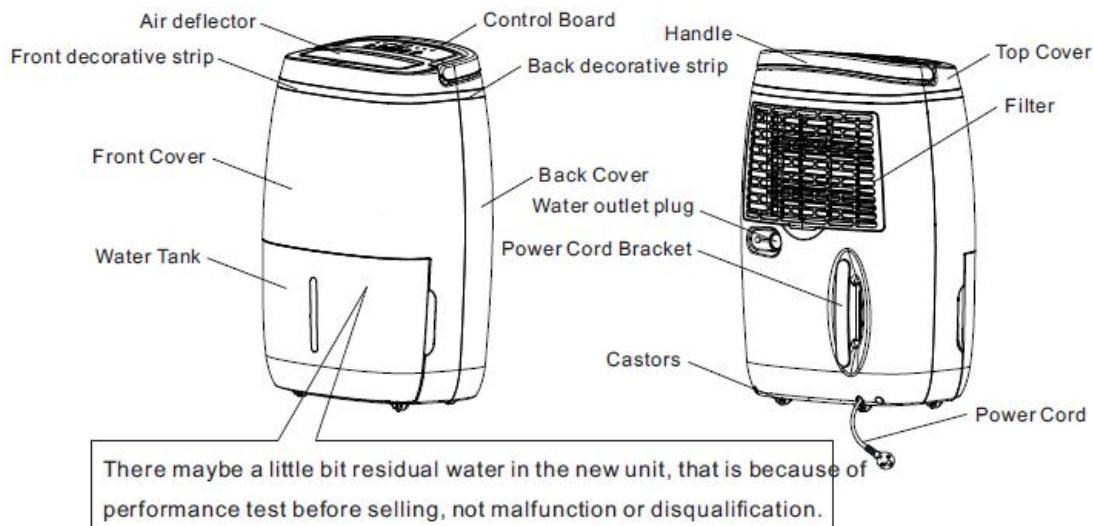
Model	DT20L
Dehumidification Capacity	20 Liters/Day at 30°C and 80%RH
Set humidity range	30%RH to 80%RH in the steps of 5%RH
Humidistat Hysteresis	+/- 5%RH
Operating Temperature Range	+10 to +35°C
Digital display	Available
Child lock	Available
Supply Voltage	230V / 50Hz
Louvre	Available, operates automatically
Air flow (two modes high and low)	135 m ³ /Hour at high fan speed mode
Water collection tank Size	5.5 Liters
Power Consumption	320 Watts
Noise	45-50 dB at high fan speed
Refrigerant	R134a
Dehumidifier size WxDxH (mm)	385 x 290 x 595
Net Weight	14 Kgs

6. Dehumidifier Setup

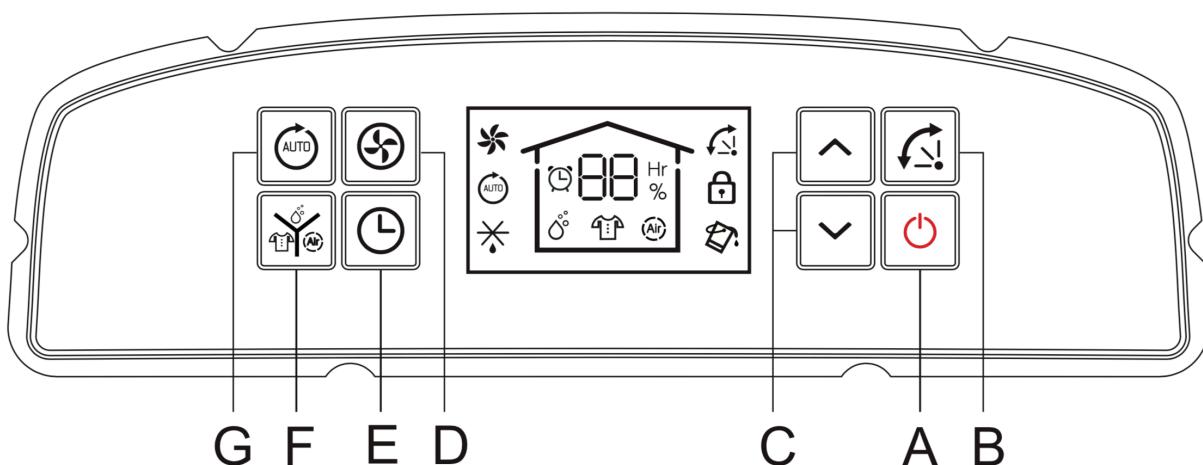


1. Place the dehumidifier in an upright position on a stable, flat surface.
2. Please ensure the unit is a safe distance as shown in above picture.
3. Air flows from TOP direction safe distance TOP side shall maintain at least 2 meters.

7. Dehumidifier Parts List



8. Control Panel Keys



1. Key "A" used to turn the unit ON or OFF.
2. Key "B" used to change the air out direction.
3. Keys "C" Up and Down keys for setting the humidity.
4. Key "D" is used to change the fan speed.
5. Key "E" used to set the timing for shutdown.
6. Key "F" used to change the modes, manual dehumidifying mode , clothes drying mode and air cleaning mode.
7. Key "G" used to set the unit to automatic dehumidifying mode (55-65%RH).

9. Operating Dehumidifier

1. Turning the unit ON and OFF by using  this button

Press ON/OFF key once display will turn ON, unit begins to work. Press ON/OFF key once again to switch the unit OFF.

2. Set the unit operating mode key: Press  this key to choose different modes below:

- a. **Manual operating mode:** In this mode target humidity can be set from 30 to 80%RH.
- b. **Clothes drying mode:** Unit works in continuous drying mode and will shutdown after 6 hours.
- c. **Air cleaning mode:** Only circulates the air through the Dehumidifier. No dehumidification.

3. Setting the required target Humidity in Manual operating mode:

Press Up and Down buttons (C Keys) to adjust the humidity (In manual operation working mode only), the set value will increase/Decrease by 5%RH and the indicating light will flash. If there is no operation for 5 seconds, the unit will accept the set value and stop flashing. Set the target humidity from 30%RH to 80%RH, and CO (continuous operation mode).

4. Fan Speed: Change Fan speed Low or High by using this key 

5. Automatic mode of operation: 

This key is used for making the unit to work in automatic mode. In this mode target humidity will be set by unit itself, we can not set target humidity. Automatic setting unit maintains 55-65%RH.

6. Set shutdown timer: 

This key used to set the shutdown timer. After using the timer key use Up and Down keys to set the desired time from 00 to 24 hours, after setting the time wait for 5 seconds unit will save your settings.

After setting the timer unit will count down the set time to shutdown the unit and  symbol will display.

Example: With the value setting 06 the unit will shut down automatically after 6 hours.
To cancel the timer press Timer key for 3 seconds continuously, the timer set will be cancelled.

7. Setting the air flow direction



This key used to change the airflow direction or stop at particular direction.

8. Setting the Child Lock: Set the child lock by pressing both Up and Down keys ("C" Keys) same time to lock or to unlock. Lock symbol appear on screen.

Water collection

When you first use your dehumidifier it will reduce the room humidity down to your target (say 55%RH). As the room becomes dryer the dehumidifier collects less water and takes longer to fill the tank, this is perfectly normal. When the target relative humidity has been reached the dehumidifier will stop collecting water.

Ensure the tank is correctly fitted, if the tank is full or is not in place, the "Empty Tank" light comes on and the dehumidifier will turn off.

10. Continuous Drain Connection

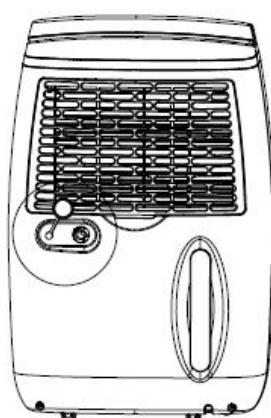
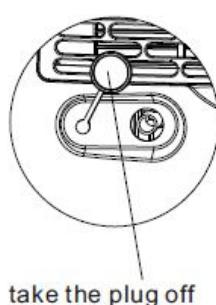


Figure1



take the plug off

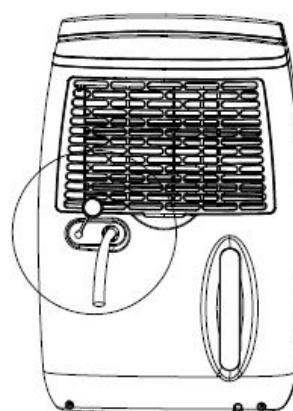
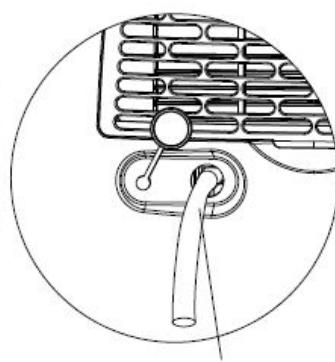


Figure2



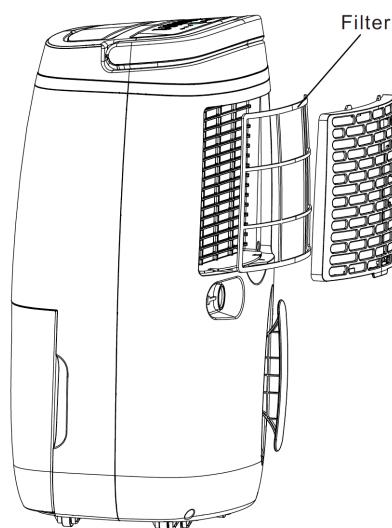
Plug drainage pipe with 14mm in diameter in the hose connector

Note: During the operation drainage pipe should never be in higher position than the hose connector.

11. Cleaning The Air filter

Always turn OFF the unit and disconnect the main cable before cleaning.

The filter should be cleaned regularly based on dust levels in your room at least every two weeks. Remove the filter and clean with a vacuum cleaner or soapy water no hotter than 40°C. Rinse and dry completely before inserting back into the dehumidifier.



Filter should not be baked by fire or under the sun for many times.

Note: Never use the device without air filter. The working performance of the dehumidifier will be greatly reduced if the air filter is blocked with dust. Check the AIR filter frequently based on your dust levels in the room.

12. Troubleshooting

Problem	Cause	Solution
The unit does not work	The power is not connected	Insert the plug into the wall outlet
The device does not dehumidify	The water container is full	Remove the water from the container
	The water container has not been replaced correctly	Place the water container in the correct position
	The air filter is clogged	Clean the air filter
	The temperature or relative humidity in the room out of range	It is normal that the device does not dehumidify in these conditions
	Unit is in Air Purification mode	Change mode to Dehumidification.
The dehumidifier works, but reduces the relative humidity insufficiently	Check the dehumidifier capacity is sufficient for your room	Contact us for moisture load calculations and suitable dehumidifier selection, to increase the capacity of the dehumidifier.
	There is too much ventilation	Reduce ventilation (e.g. close windows and doors)
	The air filter is blocked and the air flow is effecting the performance	Clean the air filter
It cannot remove the condensation from my window, or any other cool object even in continuous mode	The surface temperature of the window or any object in the room is too low.	Keep the dehumidifier on continuous mode for 24 hours or you may need to increase the size of the dehumidifier. At lower temperatures dehumidifier performance will be very less.
Dehumidifier is blowing out warm air	This is normal Dehumidifier always blows warm air when it is dehumidifying	No solution for this problem. If you have Air condition, use it to reduce the air temperate.
The display is not showing the humidity set point	The display shows the room relative humidity not the set point	Press the up or down button once to see the target relative humidity
The dehumidifier is noisy	The air filter is blocked or the unit is on an uneven surface	Clean the filter and put the dehumidifier on a flat surface. A dehumidifier will also be noisier on wooden floors than carpet

Displaying Error Codes Please contact Dewteq Technologies

Displayed code	E1	E2
Error	Coil temperature error	Humidity sensor broken
Display	Flashes every 30 seconds	Flashes every 30 seconds
Details	Normal operating of the unit will not be influenced, but unit will start working in defrosting mode.	Actual humidity will be permanent displayed in 50%RH; unit will become in continuous operating mode, Please contact us.

13. Storage Of Dehumidifier When Not Used

If the Dehumidifier is not be used for a long period of time, take the following steps:

1. Remove the plug from the socket and empty the water collection tank and let it dry completely.
2. Clean the air filter if necessary.
3. Store the device in a dust-free location away from direct sunlight, preferably covered with a sheet of plastic.

14. Warranty And Customer Support

One-year warranty is on your dehumidifier from the date of purchase. All material or manufacturing defects will be repaired free of charge. In case of a dehumidifier failure we will collect the dehumidifier from your place for repair/replacement, please retain the packaging and keep it away from children.

The following terms applies on warranty:

1. Warranty is not valid if dehumidifier is installed in high ratio dust in the air or high concentration of solvents in the air or in out doors.
2. Any repairs or replacement of components during the warranty period will not result in an extension of the warranty period.
3. The warranty will expire if any alterations have been made, not genuine components have been fitted or if a third party has repaired the dehumidifier.
4. Components subject to normal wear and tear, such as the air filter, are not covered by the warranty.
5. The warranty is only valid on presentation of the original, unaltered, and date-stamped purchase receipt.
6. The warranty does not cover damage caused by actions that deviate from those as described in the user's manual or by neglect.
7. The warranty does not covered faults caused by dirt of third party products.
8. The warranty does not cover accidental damage.
9. Claims for compensation will not be covered for consequential damages.

To prevent unnecessary expenses, we recommend that you always carefully read the user's manual first. If this does not provide a solution, call Dewteq Technologies and we will be happy to help.

Due to continuous improvement and customer feedbacks this user manual will be updated time to time.

Please record your Date of purchase:

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Hours: Mon – Fri 9.00AM – 5.00PM

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