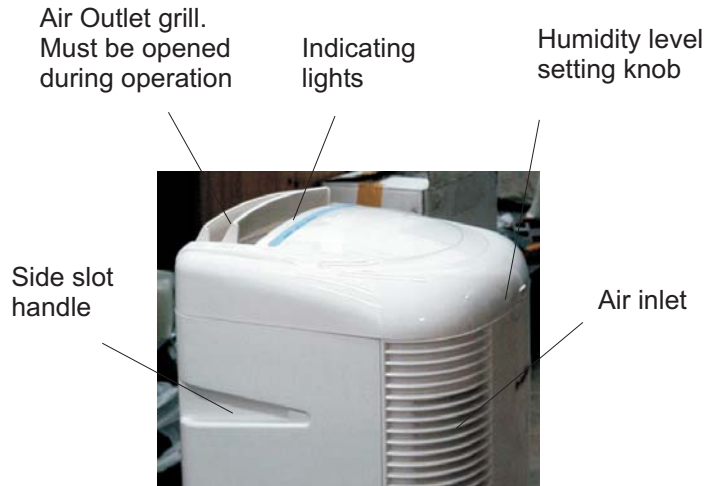


Operating Manual for BT-ED-1622R Mini Portable Dehumidifier

General Introduction

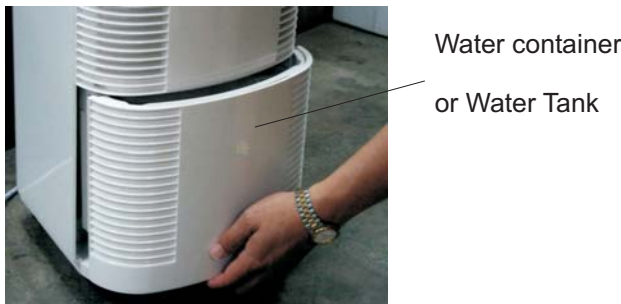
Thank you for choosing one of the latest design in dehumidification system. This machine is designed for specific usage and it would be beneficial to all new owners to study through this manual before turning on the machine.

Features: Fully automatic control with automatic cut in and cut out RH setting for energy saving. Indicating light for status with a large water container and 4 swivel wheels.



For operation. First plug the power supply to a standard 230 Vac 50 Hz, 13 A plug. Ensure power supply is within the voltage supply limit of 220 V to 240 V. Power supply Frequency must be 50 Hz (+/- 2 Hz).

Open the Air outlet grill before turning on the power. The Humidity setting can be adjusted from the front knob.



The water container comes with a handle. Lift up the container carefully and throw the water away.

When the water container is full, switch off the machine by switching off the main power supply plug. Pull the water container out as seen in the picture above. The "Tank Full" light will appear if power remains on. This is normal.

Humidistat:

When the Humidistat is set to "OFF" position, the unit is not running. The number is roughly corresponding to the following RH setting: "4" is approx. 60% RH setting ; "5" is approx 50% RH setting; "6" is approx 40% RH setting.

Normal recommended setting is "5" for 50% RH control. For lower RH at 40% RH setting, put the knob to "6" . Do consult the agent for higher setting application as lower humidity setting reduce the floor space coverage. Prolong running the machine at low humidity setting may shorten the life span of the machine.

This unit is recommended for floor area of no more than 30 sq. Meter by 3 meter height space use setting number "5"

At "ON" the machine will run non-stop regardless of the condition. This is used for special applications with engineer's advise only. It is otherwise not recommended as it may over stress the machine and reduce its life span.

Indicator:

3 indicating lights are on top of the control panel. The Operation light is on when the machine starts. Note: If the surrounding air RH is lower than the set value at the knob, the machine will remain switch off. This is perfectly normal. It mean that there is no need for further drying because the room RH has reached the desired RH level set on the machine. The Tank Full light is on when the water container is full. When this happens, the machine will stop to prevent flooding.

"DEFROST" indicator blinks when it is defrosting. It will automatically returns to run mode after a while. Defrost only happens in very cool place. Do not operate the unit in excessively cold place. General recommendation of best operating temperature is 18 deg C to 35 deg C, though the unit remain function-able above 10 deg C. When the temperature is too cold, it could create a frost in the refrigeration system and damage the compressor.



Filter maintenance

If the filter is covered with plenty of dust, the air flow and the performance of the unit will be affected and noise will increase. It is recommended to check the filter condition every 2 months. To clean filter : first turn off the power. Remove the water container. Pull down the filter as in the picture. Vacuum the nylon filter or clean it with clean water (or with soap and rinse it).

To clean the body : Clean the air inlet and air outlet with a damp soft cloth as these parts gather dust easily. DO NOT USE petrol or chemical solvent.

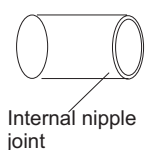


How to make continuous drainage:

You may plug in a 12.5 - 14mm (internal diameter) hose for continuous drainage. in this case, the bucket will be empty all the time. First use a screw drive to remove or knock out the broken line plastic cap at the back of the machine, then push the hose through to the water container side. Cut a "V" groove on the hose. Soft hose



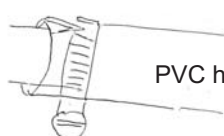
of 2 mm thickness or less is recommended. Mount the hose on the nipple accessed from the water container side and tight it around with a cable tie or a hose clip. Make sure all the part of the hose that comes out must be lower in height then the drainage outlet to prevent back flow. The drainage uses gravity to drain out water. Any higher piping will cause back flow the create water leakage.



Internal nipple joint



"V" shape cut to PVC hose
internal Dia.:12.5 to 14 mm
Thickness: 2 mm



Hose clip

PVC hose

Remove water container and look up to the left corner for the nipple. Make sure the soft hose is straight. An upward curve which causes water to flow backward will allow water to leak back to the container instead of running thro' the hose. Add an elbow joint to ensure no water trapped within pipe.

OTHER PRECAUTION :

- 1) ENSURE THAT THE RIGHT VOLTAGE AND FREQUENCY IS USED. (220-240 VAC 50 HZ)
- 2) NEVER TILT THE UNIT AT AN ANGLE OR PUT IT IN A HORIZONTAL POSITION AT ALL TIME BE IT OPERATING OR NOT. DO NOT DRAG THE UNIT OVER VERY ROUGH SURFACE.
- 3) DO NOT PLACE THE UNIT FACING THE WALL. ENSURE THAT THERE IS AT LEAST 100 mm (4 inches) SPACE BETWEEN WALL AND THE FRONT OF THE DEHUMIDIFIER. FOR SMALL CLOSET USAGE, ENSURE TEMPERATURE INSIDE THE ROOM IS NOT ABOVE 30 DEG C.
- 4) THE MACHINE IS DESIGNED FOR ENCLOSED SPACE USAGE ONLY. DOORS AND WINDOWS ARE TO BE CLOSED FOR THE DEHUMIDIFIER TO OPERATE NORMALLY. OPEN WINDOWS / DOORS INCREASE EXCESS WORK LOAD ON THE MACHINE AND WILL CAUSE DAMAGE BY OVER LOADING THE MACHINE.
- 5) DO NOT OPERATE THE MACHINE NEAR 35 DEGREE C OR ABOVE OR A POTENTIALLY HOT PLACE. DO NOT USE IT IN A DUSTY OR CHEMICAL ENVIRONMENT OR UNDER DIRECT SUNLIGHT OR RAIN.
- 6) DO NOT SHIFT THE MACHINE FROM A VERY COLD ROOM TO A WARM ROOM IMMEDIATELY. AS WATER DROPLETS MAY FORM ON THE ELECTRONICS INSIDE. IF SUCH SHIFT HAS TO BE DONE, FIRST WRAP THE UNIT IN A LARGE PLASTIC SHEET / BAG WHILE IT WAS IN THE COLD ROOM. SHIFT IT OVER AND DO NOT OPEN IT UP FOR THE NEXT FIVE HOURS.