

TECHNICAL SPECIFICATION

Small capacity: ED-10A / ED-12B

Capacity	:	10L/D (ED-10A) 12L/D (ED-12B)
Airflow	:	95 CMH
Elec. Source	:	220V/50Hz/1phase.
Rated Input	:	200W (ED-10A) 220W (ED-12B)
Sound	:	45 dB
Refrigerant	:	R134a (140g)
Dimension (mm):		515 x 270 x 345
Net weight	:	14 kgs.

Middle capacity: ED-16A

Capacity	:	16L/D
Airflow	:	135 CMH
Elec. Source	:	220V/50Hz/1phase.
Rated Input	:	370W
Sound	:	42 dB
Refrigerant	:	R134a (212g)
Dimension (mm):		575 x 315 x 285
Net weight	:	16 kgs.

Large Capacity: ED-35B

Capacity	:	35L/D
Airflow	:	280 CMH
Elec. Source	:	220V/50Hz/1phase.
Rated Input	:	680W
Sound	:	53 dB
Refrigerant	:	R134a (330g)
Dimension (mm):		580 x 350 x 445
Net weight	:	25.5 kgs.

The above specifications and name of models are subject to change without prior notice due to our continuous improvement policy and market management reasons. Pls. contact us or nearest distributors in your area for up-to-dates and full specifications.

USER'S GUIDE

Thank you for selecting our product! Pls. follow guideline in this user's manual for maximizing dehumidification efficiency and longer lifetime.

PRODUCT REGISTRATION

Record Model No. and Serial No. of this dehumidifier in space provided below for future service and maintenance.

Model:.....

Serial No:.....

Important: Keep a copy of your bill of sales and warranty card for future service. If service is performed, it is in your best interest to obtain and keep all receipts.

CONTENT

Warranty
Important Safety Instructions
Location
Working principle
Operation procedure
Dehumidifier Main features
Removing Collected Water
Care and Cleaning
Avoid Service Checklist
Technical Specifications

Operate dehumidifier only as instructed in this user's manual. these instructions are not meant to cover every possible conditions and situations that may occur. Common sense and general caution must be used when installing, operating, and maintaining any appliance.

WARRANTY

The warranty period is 12 months from the date of purchasing.

The warranty is limited to free replacement and shipping of any faulty part, or manufacturing errors. All claims must be supported by evidence that the failure has occurred within the warranty period, and that the unit has been operated within the designed parameters specified.

All warranty claims must specify the model/serial number. These details are printed on the unit identification plate.

Read all instructions before using this dehumidifier. To reduce the risk of fire, electric shock, or injury to persons when using your dehumidifier, follow basic precautions, including the following:

WARNING !

For your safety

Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other electrical appliance. Read product labels for flammability and other warnings.

Child Safety Precautions

Destroy the carton, plastic bags, and any packing materials immediately after the dehumidifier is unpacked. Children should never use these items for play.

Do not leave children unattended in an area where the appliance is operating. Do not allow them to sit or stand on the appliance.

IMPORTANT SAFETY INSTRUCTION

FROST APPEARS ON COIL ABOVE BUCKET

Dehumidifier has been turned on recently. This is normal due to refrigerant rushing through the coil. Frost will usually disappear within 60 minutes.

Room temperature is too low. Unit will not operate satisfactorily if room temperature is below 5°C for type B models or 15°C for type A models.

NOISE IS LIKE A FAN

Air is moving through the dehumidifier. This is a normal sound.

INTERNATIONAL STANDARD

We, at EdISON, feel very confident that you satisfy with our product as all our products' quality are assured by ISO9002 manufacturing plant.

All EdISON products also comply with other international standard and codes:

- * **UL**: USA Safety Standard.
- * **CE**: Europe Safety Standard.
- * **SAA**: Australia Safety Standard.
- * **GS**: The Electrical Safety Standard for Europe.
- * **TUV Rhineland**: One German Company (Approved by Germany Government) whose business is to help / charge manufacturers applying CE.



DEHUMIDIFIER RUNS TOO MUCH

Windows or doors near dehumidifier are open to outdoors. Close all windows or doors to outside.

Area to be dehumidified is too large. Check with your dealer to see if capacity is adequate.

Air movement through dehumidifier is blocked. Grill may be dirty. Use brush attachment of vacuum cleaner to clean grill.

Dehumidifying coil on back of unit may be dirty. See “Care and Cleaning”. Dehumidifier must be placed in a space that does not restrict air flowing into the rear coil or out of the front grill.

Dehumidifier has been installed or restarted recently. The higher the moisture in the room, the longer the dehumidifier will operate.

DEHUMIDIFIER IS OPERATING BUT ROOM IS NOT DRY ENOUGH

Humidistat is set at continuous. Dehumidifier will not turn off if humidistat is at continuous.

Humidistat is set too low. Turn the humidistat to a higher setting.

Dehumidifier has been installed or restarted recently. The higher the moisture in the room air, the longer it takes for the room air to become dry.

Dehumidifier does not have sufficient clearance to operate. Air flow to front and rear grill is blocked. See “Selecting a location”.

Refer to causes under dehumidifier runs too much.

Electrical Information

Your dehumidifier must be plugged directly into a properly grounded and polarized receptacle. If you are not sure the outlet is adequately grounded or protected by a time delay or circuit breaker, have qualified electrician install the proper outlet according to the Edison electrical code and applicable local codes and ordinances. Do not use extension cord and adapter plug.

Never unplug the dehumidifier by pulling on the power cord. Always grip the plug firmly and pull straight out from the receptacle.

Do not pinch, bend, or knot the power cord.

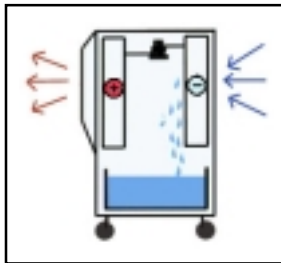
In case of damage to the power cord or plug does not fit receptacle, it should be replaced by an authorized technician.

SELECTING LOCATION

IMPORTANT:

1. Dehumidifier must be operated in an enclosed area to be most effective. Close all doors, windows, and other outside openings to the room. The effectiveness of the dehumidifier depends on the rate at which new moisture-laden air enters controlled room.
2. Place dehumidifier in a location that does not restrict air flow into rear coil or out of the front grill.
3. A dehumidifier operating in a basement will have little or no effect in drying an adjacent enclosed storage area, such as a closet, unless there is adequate circulation of air in and out of the area. It may be necessary to install a second dehumidifier in the enclosed area for satisfactory drying.

HOW IT WORKS



When the unit is started, the fan begins to pull moisture-laden air across the dehumidifying coils (Evaporator). The coils cool down air below its dewpoint temperature, where moisture vapor in the air starts to condense around the coils. The condensed moisture drops into the bucket or is continuously drained away. This cool and dry air then flows through the heating coils (Condenser coils) to recover the temperature, the dry and warm air then going through the front grill into the room.

OPERATION PROCEDURES

The bucket has a hose/drain connection. The dehumidifier should be kept in operation as long as excess moisture is present in the room air.

To begin operating the dehumidifier, follow these steps:

1. Plug the power cord into a properly grounded 220V volt outlet.

Note: before operating this unit, see the “Removing Collected Water” section for proper placement of the bucket. Dehumidifier will not operate if the bucket is full or not properly positioned.

2. When first using the dehumidifier, turn the humidistat knob clockwise to the Continuous position. The unit will run continuously at this setting.

3. Allow the dehumidifier to operate at the above setting for three to four days. After this, adjust humidistat knob to the required position.

OPERATION SELF-DIAGNOSIS CHECKLIST & SOLUTION

DEHUMIDIFIER DOES NOT OPERATE

conditions can reduce ability of unit to do its job.

To clean filter, wash with a mild detergent and warm water. Rinse filter well, gently shake excess water from filter. Dry filter well before reinstalling.

Removing and Installing Filter.

Grasp filter from top, pull up to remove and put back to install.

Before calling for service, review this list. It may save you time and expense. This list includes common occurrences that are not the result of defective workmanship or materials in this appliance.

CAUSES & SOLUTION

Plug is disconnected from outlet. Push plug firmly into wall outlet.

House fuse blown or circuit breaker tripped. Replace fuse with time delay type or reset circuit breaker.

The dryness level in the room has been achieved, the dehumidifier is turn-off by humidistat.

Bucket not installed properly. Re-position bucket.

Water in the bucket has reached its preset level. Dehumidifier automatically turns off when this occurs. Empty bucket and return bucket to position.

Dehumidifier is not turned on. Turn the humidistat to start the unit.

CARE AND CLEANING

Proper Care

Before cleaning, be sure to turn off and unplug unit.

1. Clean outer cabinet with an oil-free cloth, or wash with warm water.
2. Use a vacuum cleaner and brush attachment to clean grill.
3. Wash and dry filter.

Note: Fan motor has been permanently lubricated at the factory.

Air passing through dehumidifier may carry quantities of dust, lint and fungus spores. Much of this matter will be deposited on the filter, but some of smaller size can go through filter and deposits on the coil and then flushed away by natural drainage. But in the very dusty condition, this matter can develop on coils and the following step must be carried out:

1. Remove buildup when soft and wet. Brush away with a soft brush (a small paintbrush or old clothes brush).
2. Do not allow buildup to dry and harden. It must then be soaked and softened, and is difficult to remove.
3. If you feel you must flush coil, use a spray bottle with water. Do not let water enter electrical-machine compartment through the circular opening behind coil. Do not spray coil with a hose.



Filter Cleaning (some models)

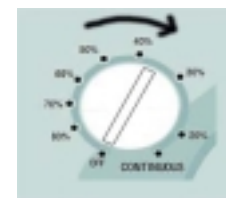
Check filter at least once a month to see if cleaning is needed. Trapped particles in filter can buildup can cause a buildup of frost on cooling coils. These

MAIN FEATURES

Humidistat



The humidistat automatically turn on dehumidifier when humidity in the room exceeds the set value and turn off when humidity fall below set value.



When first using dehumidifier, turn humidistat knob clockwise to Continuous position. Unit will run continuously at this setting. Operate dehumidifier at the Continuous setting for three to four days. During this time, observe the dampness conditions in the area being dried.

When any condensation and dampness ordors are gone adjust humidistat knob to the required humidity position suitable to your requirement.

Moisture removal

At first, the dehumidifier will remove large amount of moisture. It will continue to do so until the relative humidity is reduced to a point where moisture damage will not occur. Then, the amount of moisture removed from the air will be a lot less. This indicates the dehumidifier is operating effectively and is maintaining the relative humidity at the desired level.



Judge the performance of the dehumidifier by the use of hygrometer (if available) or the elimination of dampness and dampness odor, not by the amount of water being deposited in the bucket. When bucket

is filled with water, the unit automatically stops and the water full lamp will glow until the bucket is emptied and the return to the initial position.

Operation conditions.

A dehumidifier will not operate satisfactorily if room temperature is 5oC or lower for type B models (or 15oC or lower for type A models). Under these conditions, the dehumidifier should be turned off. See “defrost cycle”.

A dehumidifier will not eliminate frost on windows during winter. the dehumidifying coil normally operates above freezing temperatures and cannot prevent moisture from condensing on the inside of a window panel that is below freezing.

TIP: It may be helpful to use a dehumidifier in the kitchen or laundry area where the humidity is high. Reducing humidity in these areas may reduce frost on windows in other parts of the home.

Frost formation on coils

A light coating of frost on the coils is normal when dehumidifier begins to operate. Under normal conditions it will disappear within 60 minutes. Frost also forms on the coil when room temperature or humidity level is low. **Models not equipped with Frost control should be turn off if frost forms under these conditions.**

Defrost cycle (Type B models)



The defrost feature prevents frost or ice from reamaining on the dehumidifying coil for an extended period of time. when frost formation occurs, this defrost cycle turns off the compressor. The fan continues to

REMOVING CONDENSED MOISTURE

run, causing any frost or ice to melt. Dehumidifier will then resume normal operation.

Bucket Installation

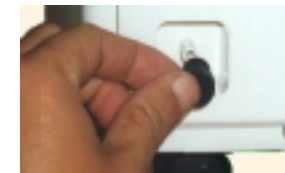


Units are supplied with a water bucket, which positions conveniently on the front of the unit to accumulate water removed from the air. The bucket also has a built-in hose connection to carry water directly to a drain.

Bucket is equipped with an Auto shut-off switch which is activated by a float or the like. The Auto shut-off switch stops the unit before the bucket overflows, and turns the unit on again after the bucket is emptied and replaced.



Direct Draining



If you want water to flow directly to a drain connect any standard garden hose to the drain outlet on back of the unit or on the bucket, or place the dehumidifier over the drain.

Drain hose position

Note: When using either of the above direct method, the unit should place a bit higher than the ground so that water can flow out by gravity force.