

Dehumidifier – D 850 E



- Instruction manual

version 08

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1. Description of device

1.1. General data

Dehumidifiers can be used wherever problems with high air humidity occur, i.e. not only in swimming pools, but also in rehabilitation or telecommunication centers, restaurants, hairdresser's saloons, laundries, kitchens, etc. or generally to reduce humidity in the air. The dehumidifiers are equipped with dust filters, enabling them not only to dehumidify but also to purify the air. This unit is designated for indoor operation.

1.2. Technical data:

Dehumidification (l/day)	60
Air discharge m ³ /h	500
Air intake	in front
Air output	on the top
Outlet of condensate (mm)	outer 15, inner 11
IP	24
Voltage (V)	230 V / 50Hz
Power consumption (W)	970
Hygrometer	Built-in
Refrigerant*	R290
Working temp. min/max °C	10-35
Dimensions w/h/d (mm)	660/750/345
Weight (kg)	38

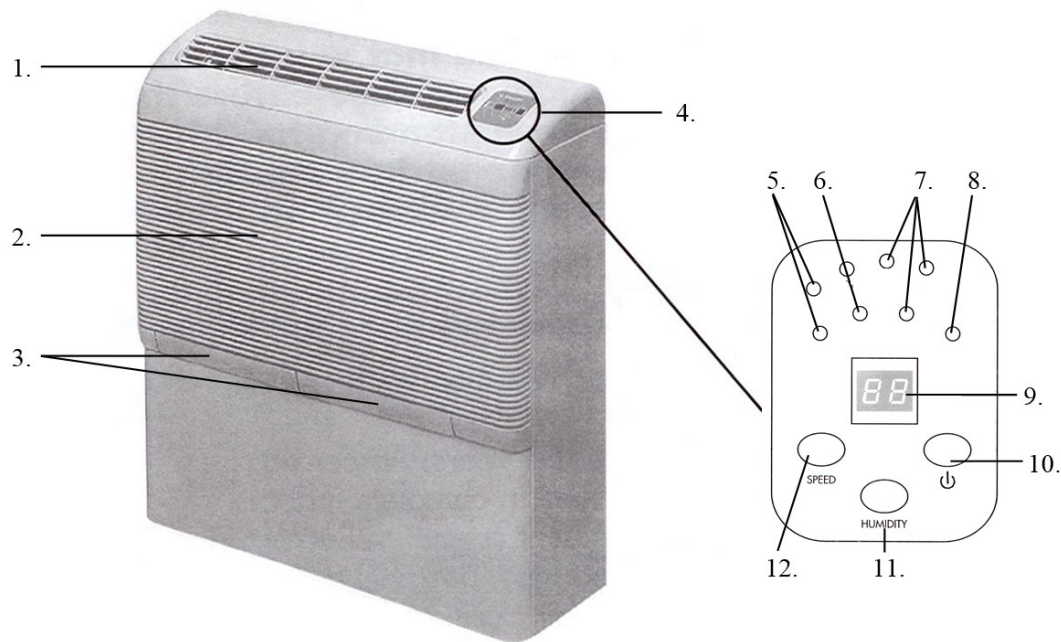
*Warning: appliance shall be installed, operated and stored in a room with a floor area larger than 15 m².

2. Operation and usage

2.1. Usage

D 850 E dehumidifiers are necessary for indoor pools, where air conditioning is not installed. They reduce air humidity to prevent condensation on windows and walls, which is the main cause for origination of mould. Correct model of dehumidifier with required performance have to be used for reduce of humidity. Should we use dehumidifier with small performance, it can cause damage of dehumidifier. Dehumidifier cannot be installed in places with increased dustiness. When used in rooms with insufficient ventilation (or with increased chlorine concentrations in the air) a rust can appear on the device! Device must be transported or carried in vertical position. It is not allowed to transport the unit sideways as it can cause damage to the device.

Picture no. 1 description of dehumidifier and control panel



- 1. Outlet of air
- 2. Intake of air
- 3. Dust filters
- 4. Control panel

- 5. Indication of low / high speed of fan
- 6. Indication of durability run
- 7. Required humidity
- 8. Run compressor indication
- 9. Display of measuring humidity
- 10. Switch
- 11. Regulator of humidity
- 12. Reverser of speeds of fan

2.2. Location and installation

The unit can be either located on the floor or hanged on the wall.

Standing on the floor:

The unit is equipped with 4 plastic legs. Make sure that all the legs are settled on the floor.

Handing on the wall:

The unit can be hung by 2 screws on the wall (in case of installation on the wall is necessary to use screws equivalent to the weight of the unit) and connect to power supply in accordance with relevant legislation.

Place dehumidifier near the wall and aim flow of dry air from dehumidifier directly toward the windows, where steam often condensates. It is highly advised not to aim the outlet of dry air above surface of water, because it would cause increased evaporation. Dehumidifier is supplied with humidistat, which is placed at the top of dehumidifier (picture no. 1.).

Drain condensed water back to the pool or sewage. Place the dehumidifier far enough from the pool – always in accordance to the relevant legislation! Do not place pool chemicals near the device. Do not use any extensions with the device. Do not block the air intake / outtake.

Do not use the unit, when the temperature is lower than 10 °C!

2.3. Preparation for starting and starting

Dehumidifier has button *SPEED* placed on the control panel (picture 1/12). It enables to choose speed of flowing air. (You can choose one of two speeds.)

Regulator of humidity – humidistat is another operating element. Humidity regulator switches off / on the compressor and helps keep the constant humidity of air.

Humidistat can be adjusted by the button *HUMIDITY* (picture 1/11). You choose required humidity of air by pressing button. The LED indicates selected humidity (picture 1/7).

In certain cases it takes several days to reach required humidity.

2.4. Operation

Air contains humidity in the form of steam. The level of humidity that the air is able to contain depends on the air temperature (the warmer the air is, the more humid it can become).

Compressor is part of cooling equipment of dehumidifier, that keeps the surface cool. Circulating ventilator sucks in the humid air and the sucked air flows to the cooling elements, there the humidity is condensated. Then dehumidified air is blown to the condenser, where air is dried by warming. Finally dried air is flown back to the room. Dehumidifier is equipped with automatic defrosting of the cooler. Ventilator sucks in the air during the defrosting cycle, but compressor is switched off automatically.

This system automatically removes ice that can be present on the spiral of cooler.

Condensed water is systematically drained by hose. Always make sure that the hose is placed to intended place where the water can be drained.

End of hose must not be placed in a water! Regularly check the water hose and air filters for clogging.

2.5. Turning off the dehumidifier for a prolonged time

Turn off dehumidifier by button on the control panel (picture 1/10). Before turning off for a prolonged time you should disconnect the dehumidifier from plug. It is recommended to clean the air filters.

2.6. Maintenance (cleaning the air filter)

Air circulation is impeded and the efficiency of the dehumidifying and air purifying functions decreases when the filter is dirty. It is therefore necessary to clean the air filters at

regular intervals. The precise intervals depend on the dustiness in which the appliance is operated and how frequently it is used. Filters are found in front side of the dehumidifier under the grate.

- Remove the filter by sliding it out
- Clean filter or wash in tap water
- Dry the filter before inserting it back

Only use the device when the filters are installed!

WARNING: Cleaning the air filter must be done minimally once a month or more often – it depends on dustiness of room. The unit can be damaged without regular cleaning.

2.7. Important warnings

Do not use your dehumidifier under the following conditions:



If the power cable wires are frayed or cut



Where the power cable may be damaged



If an extension cord is needed to reach an outlet



Close to a heat source



When small children may be left unattended



If there is a risk of liquid falling on the unit



Where it may be damaged by chemicals



Where there is a risk of interference by foreign objects



This product is not made for DIY repair

WARNING! R290 refrigerant is a flammable natural gas and should only be used by certified personnel. Leaking refrigerant can cause fire and explosion, therefore NEVER do anything about the unit yourself! Store, install and use the dehumidifier in rooms with at least 15m² of floor space.

When disposing of the device always follow local legislation.

3. Trouble shooting, causes

trouble

cause

Device is not working- trouble in power supply

- check power supply
- if there is no problem with the power supply contact the supplier

- humidistat is switched off:

- check, if humidistat is switched on,
- if not, set humidistat to the required humidity,
- if problem persists contact supplier of dehumidifier

- air can not go through grating :

- check, if air filter is clean,
- check, if dehumidifier is not placed near objects that would inhibit the air inlets and outlets
- move the dehumidifier from walls and other objects that might block the

- the unit is noisy :

- check, if the unit is standing in the horizontal position or hung in horizontal position ,
- installation on the wall – check if, dehumidifier is equipped with rubber pads (picture no.1.)
- if the problem persists contact supplier of dehumidifier

- if water outflow from the unit :

- check, if the drain hose is placed in required place and a gravitational flow is possible
- check, if the drain hose is fixed correctly to the device
- check, if outlet from dehumidifier is not blocked or if hose is not placed in water

4. Warranty

4.1. Warranty conditions

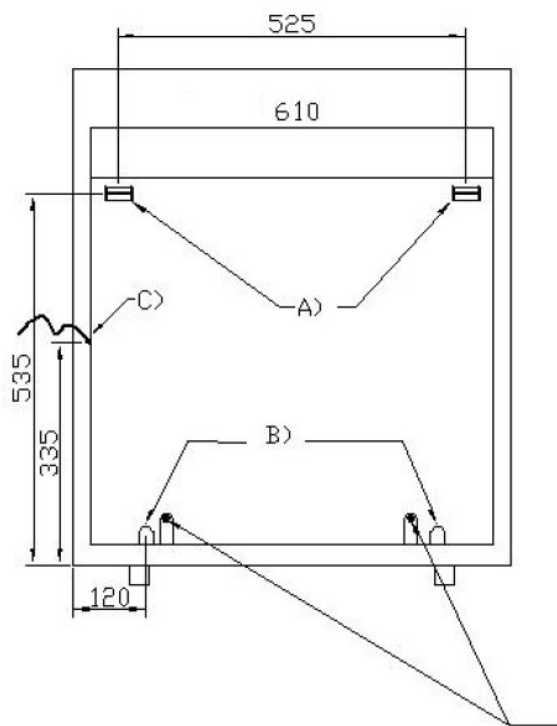
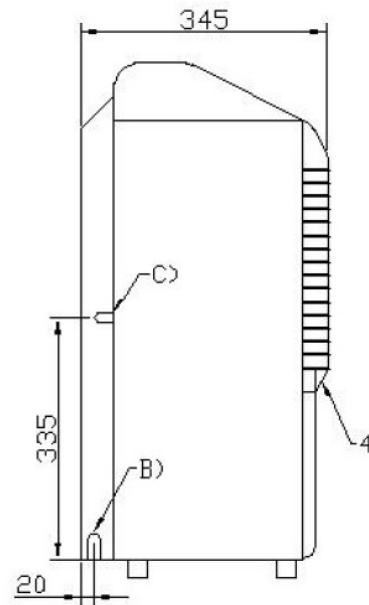
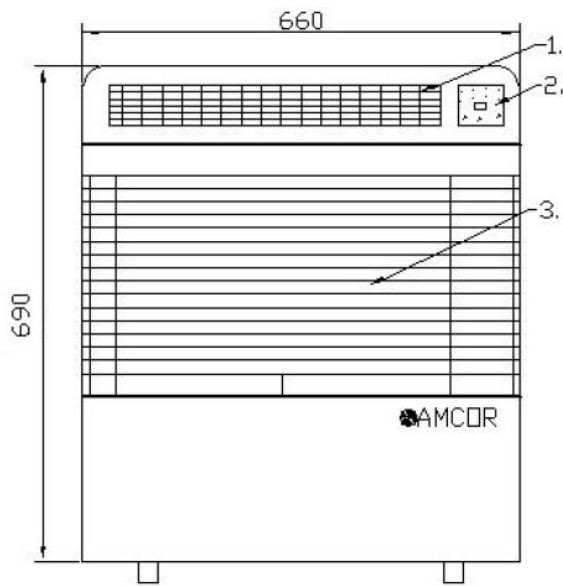
Warranty 24 months is not relate to components with lower service life (such as dust filter, thermal safety-fuse).

If defect is present is during warranty period and was not caused by both user or third party. The unit will be repaired free of charge, providing that:

- date of sale is not older than 24 months,
- the unit was maintained according to this manual,
- were kept conditions according this documentation,
- the unit was not mechanically damaged ,
- the unit was not placed in room with increased dustiness
- the unit was chosen correctly for the required purpose and place
- there was no adjustment done on the device

User pays costs related to transport of device to address of service and back.

D850 E



1. Dry air discharge
2. Control panel
3. Wet air intake
4. Dusty filter

- a) Holes for wall mounting
- b) Drain
- c) Inlet for supply cabel

In case of instalation to the wall you have to use rubber adaptor, which prohibits contact of dehumidifier with a wall.