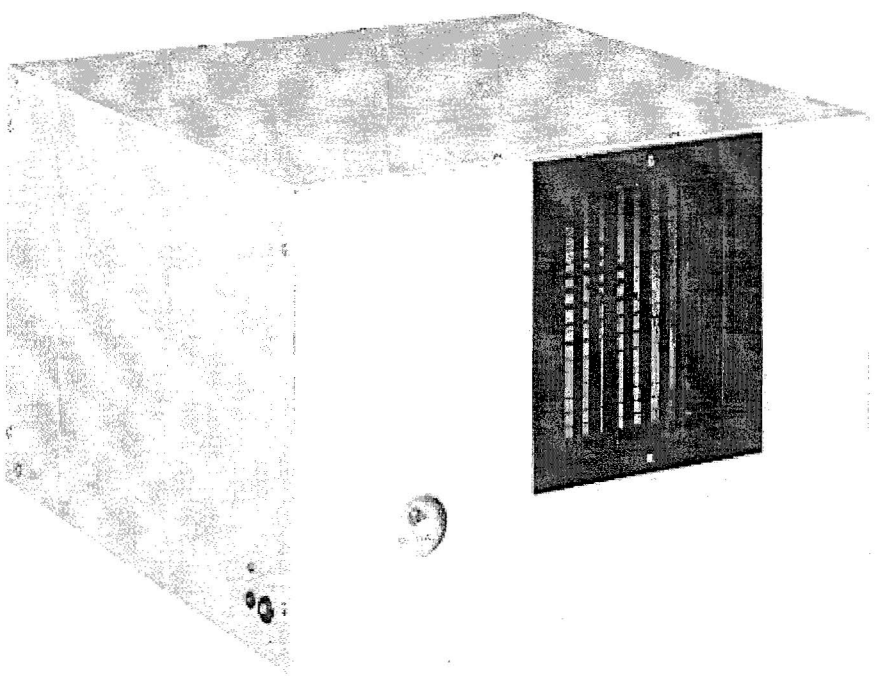
Dehumidifier– DSR 12



- Instruction manual

version 01

SAFETY

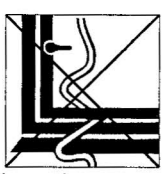
For safety reasons, read this information carefully before operating. Persons who are not familiar with this type of product must not use it. We strongly recommend keeping this information in a safe place for future reference.

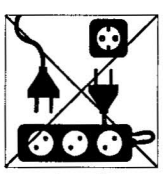
This appliance must be earthed. The unit is designated for indoor operation. Refer to the rating plate for voltage and power input. The installation must be in accordance with regulations of the country where the installation is performed. The minimum distance between air inlet(s) and/or air outlet(s) and any object must be 40 cm.

* The unit is safe. However, as with other electrical appliance, use it with care.
* Keep out of reach of children.
* Do not clean the unit by spraying it or immersing it in water.
* Do not insert any object into an opening of the unit.
* Disconnect from the mains before cleaning the unit or any of its components.
* Never connect to an electrical outlet using an extension cord. If an outlet is not available, one should be installed by a licensed electrician.
* Any service other than regular cleaning or filter replacement should be performed by an authorized service representative. Failure to do so could result in a loss of warranty.
* When the unit is placed in a (swimming) pool, connect to the mains via a transformer or a breaking switch, conform the regulations regarding electrical installations.

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

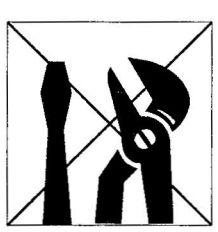

Close to a heat source


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

Reminder:
Waste electrical products must not be disposed of with household waste.
This product should be taken to your local recycling centre for safe treatment.

ELECTRICAL WIRING

The unit can be supplied with a cord and an earthed plug. If it ever becomes necessary to replace this plug, be sure to use an earthed plug suitable for the power supply in your area and conform your national safety standard.
The wires of the cable are coloured in accordance with the standard electrical code.

BLUE	NEUTRAL
BROWN	LIVE
GREEN/YELLOW	EARTH

The BLUE (NEUTRAL) wire should be connected to the terminal in the plug marked N or coloured black.
The BROWN (LIVE) wire should be connected to the terminal in the plug marked L or coloured red.
The GREEN/YELLOW (EARTH) wire should be connected to the terminal in the plug marked E or coloured green or marked with this symbol ⏚:

The unit must be connected to the power supply with the appropriate leads.
The cord should pass through holes with rubber grommets.
Properly fused disconnect switches must be installed between the unit and the power source.
The unit must be wired with an isolation (mains) switch accessible from outside the wet area in which the unit is installed, to comply with IEE regulations.

Attention! 3 minutes delay on all units with 'Alfa-14' controller.
When starting or restarting the unit, it will take 3 minutes before the compressor and the fan will start running.

AMCOR DEHUMIDIFIERS

You can't control humidity and haze outdoors.
But in an indoor swimming pool and other humid interior spaces where hot stuffy air, steamy windows and walls are frequent phenomena, you can.
That's why you need Amcor.

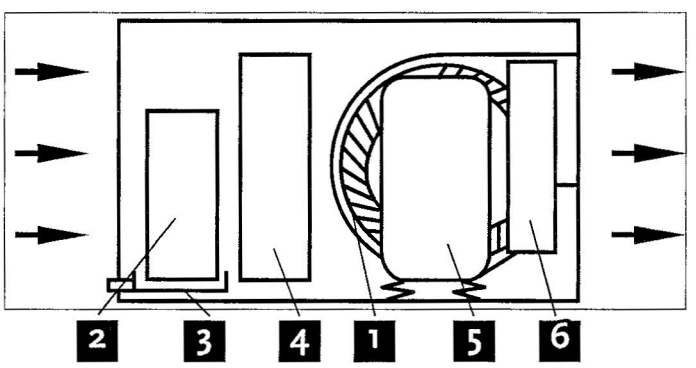
Amcor's dehumidifiers clear the air in damp interior spaces.
Condensation is removed from windows, walls and ceilings.
Vaporous stuffy air is drawn off, clean air is pumped back in.
You simply set the dial and the air humidity remains at the required level.
And, the Amcor dehumidifier is an energy saver.

Water evaporating from a swimming pool, bathroom, archive, store or from wet objects and surfaces increases the humidity of the air and creates the hazy and stuffy air often found in the hall.
At the same time water condenses on the cooler parts in the hall: windows, walls, ceilings, etc.
Water condensation is not only an aesthetic defect, it can, in the long run, cause structural damage.

There are two methods for drying the air in humid spaces:
- by ventilation,
- by heat pumps.

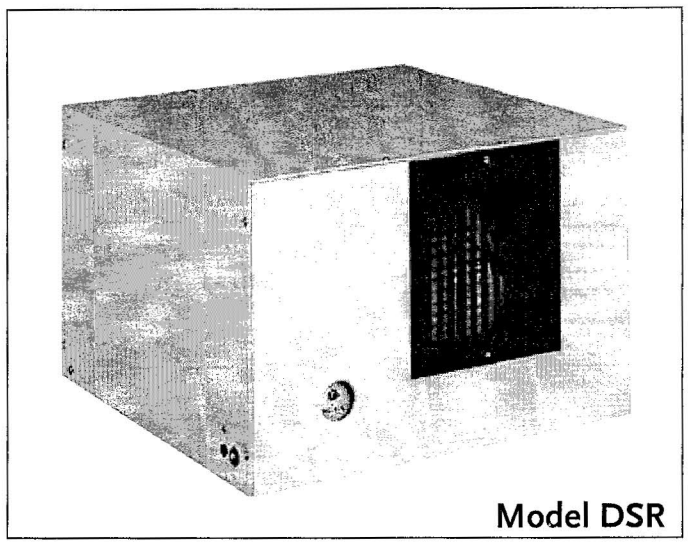
The Amcor dehumidifier is designed as a heat pump and has, through energy saving, a considerable advantage over a ventilation system.

HOW THE AMCOR DEHUMIDIFIER WORKS



The fan (1) sucks the humid air through the evaporator (2). There the air is cooled and the moisture in the air condenses into water. This water is collected in the tray (3) and drained away through the sump and piping.
The compressor (5) pumps the heat, which has been extracted from the air, into the condenser (6). There, this heat is once again released, and absorbed by the dry air. The ready wired control box monitors and controls the operation.

INDOOR SWIMMING POOL DEHUMIDIFIERS

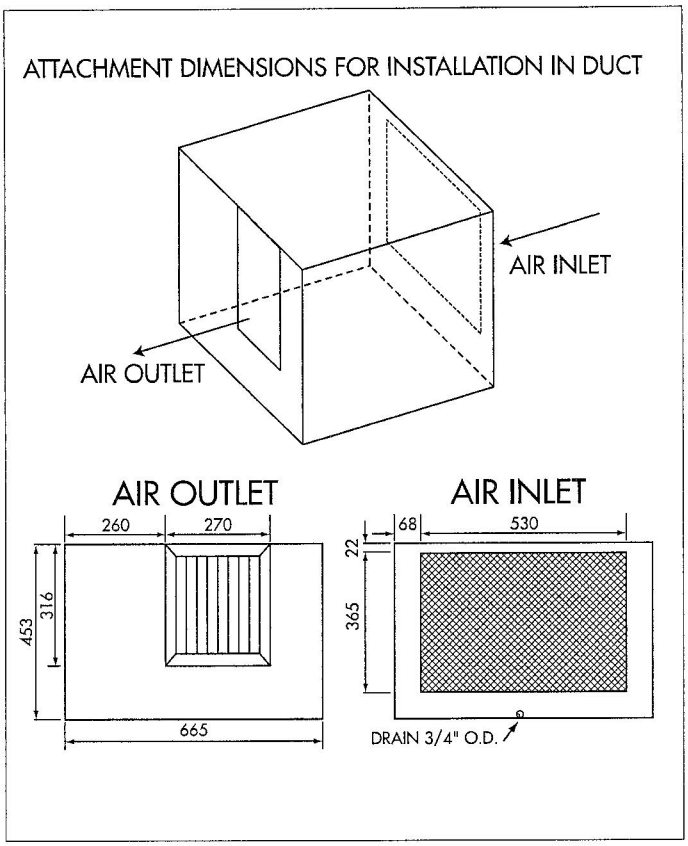


Model DSR

The Amcor pool dehumidifier is a ready to install, transportable, appliance. It can be mounted on a wall or ceiling console in the pool room or even over a shower booth. It may be mounted in adjoining rooms and connected by ducts to the pool room.
Amcor has not adapted normal room air-conditioners for use in indoor swimming pools, but has developed pool dehumidifiers particularly for this purpose. The compressor therefore matches exactly the capacity of the evaporator, thus achieving the optimal balance between efficiency and power consumption. The pool dehumidifier is controlled by a humidistat which operates at a low (=safety) voltage of 24 V.

The relative humidity in an indoor swimming pool can be adjusted between 50 – 80 % when an external hygrostat is used.

INSTALLING MODEL DSR/DSRT



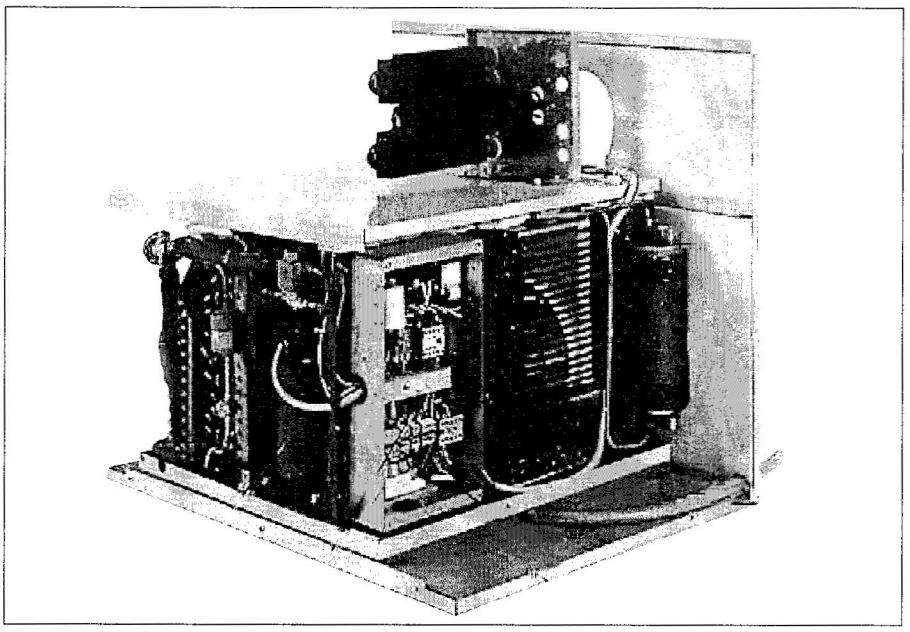
The minimum distance between inlet(s) and/or outlet(s) and any object must be 40 cm. Installation of the dehumidifier is easy, as the unit is built on a base and slides out of the housing. The individual parts are logically arranged and can be inspected.
First, remove the screws of the frame with louvres.
Remove the screws on the base.
Now the unit can be taken out the housing.
Prepare a suitable console and mount it on the wall.
Mount the housing on the console and attach it by fastening its base with screws to the legs (which should preferably be lagged with a vibration dampening material). Insert the unit into the housing, fasten the housing to the base and attach the louvred frame in front of the housing.
Attach a 3/4" I.D. flexible pipe to the drain nipple located at the back of the dehumidifier.

MAINTENANCE

The appliance is actually maintenance free, except in cases of soiling. In this case the filter has to be cleaned.
To take the filter out, unscrew 2 screws fastening the filter grid, located at the back. Swing the grid towards you and up in order to get access to the filter. Remove the filter. Hold it under a water tap and flush it clean with a stream of water. Let the trapped water drip off the filter fabric and replace the **dried** filter in reverse order.

OPERATING RANGE DSR-12/20

Min. working temperature 5 °C , max. working temperature 35 °C.
Relative humidity 40 – 100 %.



WIRING DIAGRAMS

DSR-12