

Dehumidifier AD 590

Technical data:



General

Drying capacity

at 30°C / 80%r.h. = 105,0 l./day
at 27°C / 60%r.h. = 67,0 l./day*
at 20°C / 60%r.h. = 38,0 l./day*
at 10°C / 70%r.h. = 25,0 l./day*

Air volume

1.619 cbm/h free blowing

Operational range

temperature: + 3°C + 32°C
humidity: 40 – 100 %r.h.

Noise level

66 dB(A)

control + signal lamps

On- / Off-switch (0/1), orange, illuminated
Signal lamp red = water-container full
Operation-time-counter, humidistat with knob

Case

Case of sheet metal, coated, off white.
To dismantle simply.

Technology

Axial fan with aluminium-impeller (with winding protection).
Hermetically sealed rotary compressor, protected against overload, free of oscillation.
Condenser and evaporator of copper-tubes, laminated with aluminium. Cooling-circuit of copper tube with expansion valve and filter dryer. Service connector on induction-side.
Automatic hot-gas-defrosting, controlled by thermostat.

Refrigerant

R407c (1.500 g) CFC-free

Electric connection

Electrical supply

1 x 230 V / 50 Hz

Fusing

10 A slow

Power consumption

Max. 1.450 watt **

Connecting cable

cable 4,5 mtr. with Schuko coupler

Installation and dimensions

Operation-field

Closed rooms

Eignung für

Heated rooms to approx. 1.300 cbm ***
Unheated rooms to approx. 840 cbm ***

Mode of operation

Condensation principle
(heat pump with energy recovery)

Deployment / mobility

On the floor.
2 castors, 2 fixed rolls (Ø= 100 mm), carriage handle in front

Air input

On reverse side passed over easy changeable air filter

Air output

Front side

Handling

Turn coupler into the socket, switch on (at 0/1-switch) and adjust at the humidistat the humidity-level you feel comfortable with.

Water output

Device interrupts automatically in case of container is filled (through the weight).
Remove water-container (14 l.) on reverse side.
A ½ inch hose can be connected optionally to available hose connection.

Dimensions

height / width / depth:
1.008 mm / 503 mm / 652 mm

Weight

72 kg

Service

Empty the water container, clean / change filter

Warranty

2 years

* Values according to DIN EN 810

** In the case of 32°C ambient temperature

*** standard value / empirical value