

RECESSED CEILING AIR DEHUMIDIFIER MODEL CTO-3200 DC

Technical sheet with latest revision 10/2023

Suitable for apartments, houses, villas, residences, hotels, small exhibitions, taverns, homes, second homes, technical studios, offices, meeting rooms, waiting rooms, medical offices and more.



CODE

Product code: CTO-3200 DC

Supplier: TECNOKLIMA SRL
Via della Repubblica, 1 ABCD 40057 Granarolo dell'Emilia (BO) Italy
Telephone (+39) 051/6056846 - 051/6066593 - Fax (+39) 051/761367
Email info@tecnoklima.it - assistenza@tecnoklima.it
Web site: www.tecnoklima.it

DESCRIPTION

Recessed ceiling dehumidifiers ideal for cooling systems with radiant panels in residential applications. This range of dehumidifiers has been designed to be inserted in the thickness of the false ceiling, in order to control the relative humidity in rooms where a floor or wall conditioning system is used. They are characterized by excellent silent operation even at the highest revs with low speed fan and built-in silencer. Extremely low energy consumption. Equipped with a sturdy structure in galvanized sheet metal, the dehumidifiers are equipped with an electronic board for managing functions. The installation is extremely simple, the machine is normally housed in the thickness of the false ceiling and, as a rule, it is sufficient to provide an adequate power supply and the preparation of the condensate drain.

The CTO-3200 DC false ceiling dehumidifier must necessarily be connected to the cooling water circuit of the premises, with the temperature and water flow characteristics indicated in the table. Activation is possible only if cold water is available at the foreseen temperatures and flow rates. The machine is not equipped with a hot gas defrosting system and therefore cannot work in cold or unheated environments. It is not recommended to use the machine in environments with temperatures below +15°C. False ceiling dehumidifiers must always be positioned indoors, and are designed to treat clean air, free from traces of dust, chemical vapours, oil mists, aggressive materials or other pollutants or explosive atmospheres.

The false ceiling units are direct expansion refrigerant circuits equipped with a compressor and equipped differently according to the versions. They are subject to ordinary maintenance - periodic cleaning of the dust collector filter - and must be installed in compliance with the basic rules for extraordinary maintenance or repairs that may become necessary. Large hatches must be provided in the false ceiling for periodic inspections and any uninstallation must be foreseen if, for technical reasons, it should be necessary. Any inspection must also be possible along the entire path of the condensate drain in order to verify its integrity over time and ensure that it is replaced or cleaned if necessary.

VERSIONS

DEUCLIMA (DC) - dehumidifier that works only with water in/out at 16/18°C (cooling system integration).

CHARACTERISTICS

- Internal soundproofing linings
- 3-speed axial fan
- Filter mounted on the machine
- I use R134a ecological gas
- Hermetic compressor
- Extreme versatility of use
- Hour meter on the machine
- Recessed to false ceiling

CTO-3200 DC Dehumidifier (1)

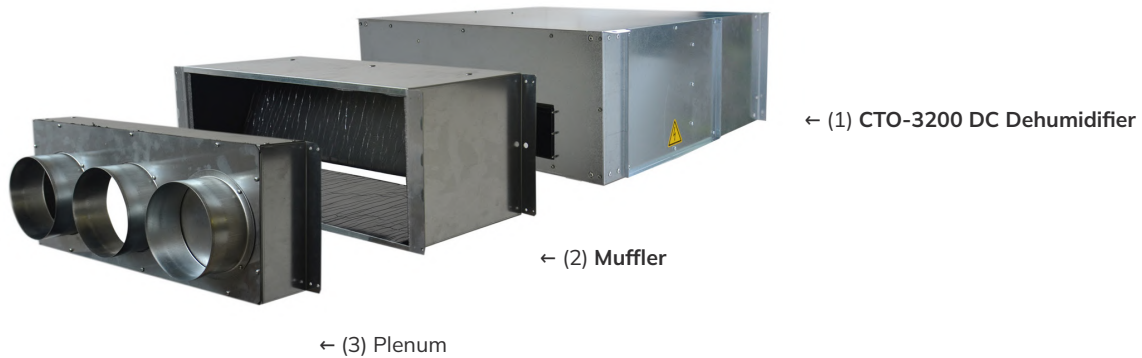
Dehumidifier designed for installation in false ceilings, with the aim of controlling humidity in environments with a radiant system.

Muffler (2)

sound-absorbing silencer in galvanized sheet (optional).

Plenums (3)

Galvanized sheet metal plenum complete with collars for connection of process air ducting lines (optional).



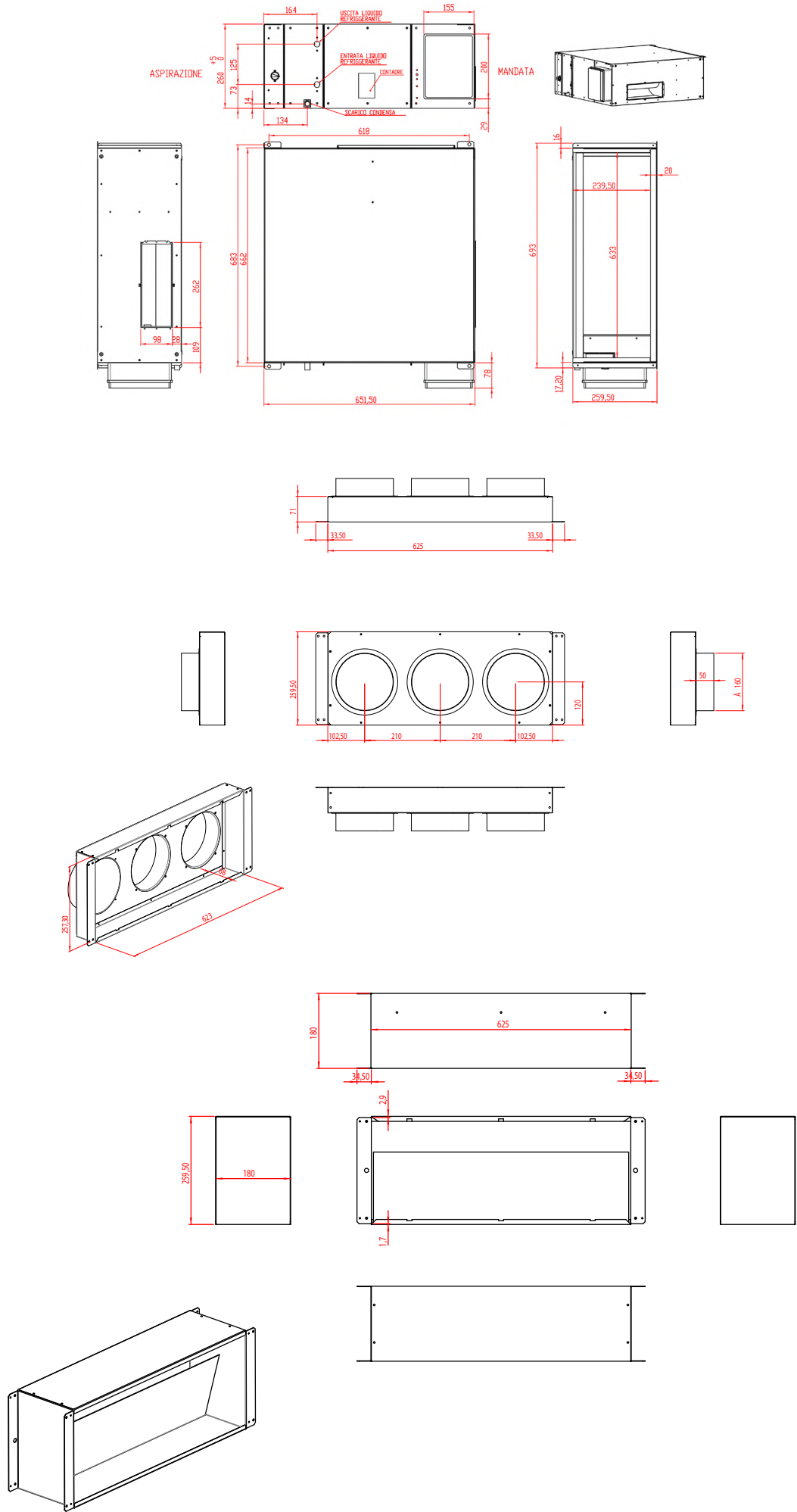
rated power medium absorbed (25°C - 60% rh - water 16°C)	380 W
Maximum absorbed power (32°C - 95% rh)	460 W
Maximum absorbed current (32°C - 95% rh)	3,1 A
Inrush current FLA	20,0 A
Air flow (with clean filter)	300
Air flow range	240-360
Useful static pressure	52-22 Pa
Sound pressure level Lps (at 3 meters in free field)	38 db(A)
Refrigerant	R134a
IN/OUT water connections	3/8"
Condensate drain connection (rubber hose)	16 mm
Temperature operating range	15-33°C
RH operating range	45-98%
Cooling function total cooling capacity (25°C - 65% ut - water 16/18°C)	1,6 kW
Sensible cooling capacity Cooling function (25°C - 65% ut - water 16/18°C)	0,96 kW
Cooling water flow rate (inlet temp. 16°C)	255 l/h
Cooling water pressure drop (inlet temp. 16°C)	25 kPa

Inlet water temperature never lower than +16°C, due to possible formation of undesirable and dangerous phenomena of condensation and/or ice.

IN/OUT water temp	23°C - 55%	23°C - 65%	25°C - 55%	25°C - 65%	27°C - 65%	30°C - 80%
16/20°C	13,5 l/24h	18,5 l/24h	15,5 l/24h	21,5 l/24h	25,5 l/24h	33 l/24h

The condensing capacity shown indicates the punctual, instantaneous capacity of the unit, in the absence of defrost pauses normally present in the unit.

DIMENSIONAL



TECNOKLIMA SRL

Air treatment for companies and individuals

Administrative headquarters and warehouse:
Via della Repubblica, 1 ABCD
40057 Granarolo dell'Emilia (BO) Italy

Telephone +39 051/6056846 - 051/6066593
Email info@tecnoklima.it
Web www.tecnoklima.it

Tecnoklima

The manufacturer reserves the right to make improvements to its products without notice. Features may vary depending on changes made for any customizations.