



INDUSTRIAL AIR DEHUMIDIFIER MODEL **DRY-4500**

Technical sheet with latest revision 07/2022

Suitable for department stores, industrial premises, dairies and salami and cheese maturing rooms, food industries, swimming pools and gyms, hotels, garages, cellars and underground rooms and more.



Product code: DRY-4500

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Industrial dehumidifiers for large ductable surfaces, with fixed or trailerable installation; ideal for treating large quantities of air. Industrial air dehumidifiers for large environments equipped with structure and paneling made of galvanized steel sheet, painted with epoxy resins, coils in copper pipe and aluminum finned pack, high performance hermetic reciprocating compressor, high head centrifugal fan. They are equipped with a thermostatic valve, minimum and maximum pressure switches, dehydrator filter. A dedicated electronic board, connected to the antifreeze probe, controls the defrosting of the dehumidifier and the main operating parameters. The installation of industrial dehumidifiers does not require masonry work; their ideal location is in the industrial field. The possibility of ducting the air flow of our industrial dehumidifiers allows the machines to be placed in technical rooms suitable for the purpose, adjacent to the humidity control areas, and to distribute the dehumidified air evenly, optimizing the space available in the room itself. Our industrial dehumidifiers are available with top (on request) or rear outlet air. The dehumidifiers can possibly be integrated with the application of a condensate drain pump.

DRY-4500 dehumidifier suitable for medium/large environments, suitable for heavy-duty work. Unit available with ducts or fixed installation. Dehumidifier available in three versions: standard (STD), hot gas defrosting (S) and low temperatures (ICE). Equipped with latest generation compressors, to offer excellent performance in the most varied environmental conditions. Removable panels to facilitate inspections and maintenance works. Structure in galvanized and painted sheet metal to ensure durability and excellent performance over time. Extremely simple unit both in installation and in use, thanks to the vertical expulsion of the process air and the possibility of ducting it if necessary. The DRY-4500 industrial unit can be installed on wheels to facilitate its movements. Industrial dehumidifier that has a washable air filter and R410A ecological refrigerant. Unit that is mainly suitable for commercial and industrial uses. All units are subjected to a functional test before shipment.



Mechanical remote dehumidostat

Air filter with frame for ductable recovery



High precision digital dehumidostat

Air expulsion curves



Support feet



Dust collector filter



Control panel



Digital display and ignition panel



Process air delivery



Aspiration



Temperature/humidity electronic board



Condensate drain

VERSIONS

DRY-4500 STD (standard): campo di lavoro temperatura +10/+36°C

DRY-4500 S (sbrinamento gas caldo): campo di lavoro temperatura +1/+36°C

DRY-4500 ICE (basse temperature): campo di lavoro temperatura -1/+36°C

CONTROL PANEL



- Electronic digital dehumidostat
- Easy and intuitive electronic panel
- Current humidity and temperature display
- Desired humidity display
- Self-diagnosis display
- Unit status

APPLICATIONS

Department stores, industrial premises, dairies and cured meat and cheese maturing rooms, food industries, swimming pools and gyms, hotels, archives, rental, hygroscopic material deposits, closets, industrial laundries, garages, cellars and underground rooms, etc.

- Floor installation
- Trolley installation
- Installation with channels
- Free throw installation

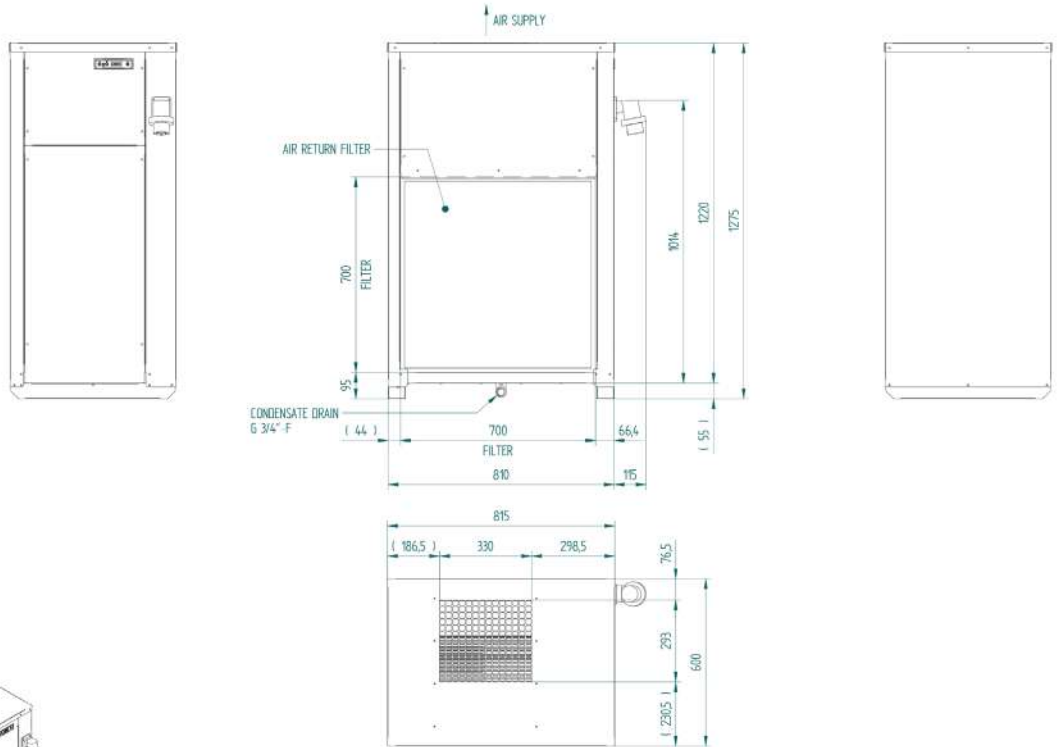
TECHNICAL DATA

Supply V/Ph/Hz	400/3+N/50 V/Ph/Hz
Refrigerant	R410A
Dehumidification capacity (at 35°C and 80% r.h.)	333,1 l/24h
Maximum absorbed power	6,5 kW
Maximum absorbed current	14,6 A
Total air flow	4000 m ³ /h
Delivery fan useful static head	50 Pa
Compressor	n. 1
Sound pressure level (free field at 1 m)	68 db(A)
Working range	45-99% u.r.
Dimensions (height x width x depth)	128 x 82 x 60 cm
Weight	142 Kg
Air temperature increase (ambient temp. 20°C - 60% r.h.)	+5,4 °C
Thermal load in the environment (ambient temp. 20°C - 60% r.h.)	7,4 kW

PERFORMANCE

Performance at different temperatures and humidity				
Aria esterna	50%	60%	70%	80%
-1°C	19,6	29,6	37,2	49,0
0°C	19,6	31,7	40,1	51,0
5°C	26,0	41,0	53,0	66,5
10°C	33,8	50,9	64,9	80,3
15°C	41,6	70,2	92,0	115,3
20°C	61,4	96,3	128,6	160,8
25°C	88,2	136,5	169,8	208,8
30°C	113,9	176,3	218,6	269,9
35°C	136,8	206,1	249,2	333,1

DIMENSIONAL



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 **Tecnoklima**

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