



## INDUSTRIAL AIR DEHUMIDIFIER MODEL **DRY-1500**

Technical sheet with latest revision 09/2024

Department stores, industrial premises, salami and cheese maturing rooms, swimming pools and gyms, hotels, archives, hygroscopic material deposits, closets, industrial laundries, garages, cellars, underground rooms and more.



**Product code:** DRY-1500

**Supplier:** TECNOKLIMA SRL  
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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-1500 industrial dehumidifier available with ducts or fixed installation, suitable for medium and large environments, suitable for treating large quantities of air. Available in versions: standard and hot gas defrost (for unheated rooms). Equipped with latest generation compressors, to offer excellent performance in the most varied environmental conditions. Removable panels to facilitate inspections and maintenance works. Structure entirely in galvanized and painted sheet metal to ensure long life and excellent performance over time. Industrial-type unit extremely versatile in use and installation, thanks to the vertical expulsion of the process air and the possibility of ducting it when necessary. The DRY-1500 unit can be installed on trolleys equipped with wheels to facilitate movement. Power supply V/Ph/Hz 230/1/50. It has a washable air filter, R410A ecological refrigerant, especially suitable for commercial and industrial uses. All units are subjected to a functional test before shipment.



Mechanical remote dehumidostat

Air filter with frame for ducted return



High precision digital dehumidistat

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-1500 STD (standard): temperature range +10/+36°C

DRY-1500 /S (hot gas defrost): temperature range +1/+36°C

## ELECTRONIC DEHUMIDOSTAT



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

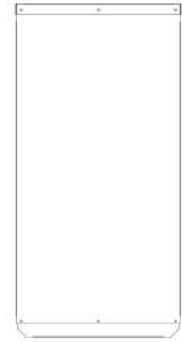
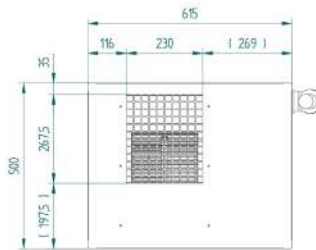
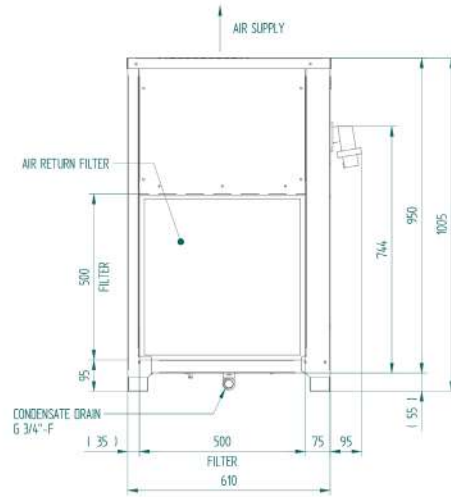
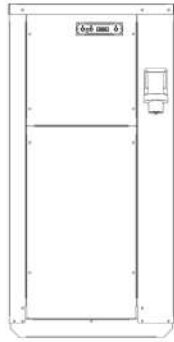
## INSTALLATION

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

## TECHNICAL DATA

Supply V/Ph/Hz	230/1/50
Refrigerant	R410A
Dehumidification capacity (at 35°C and 80% r.h.)	138,2 l/24h
Maximum absorbed power	2,8 kW
Maximum absorbed current	15,1 A
Total air flow	1200 m <sup>3</sup> /h
Delivery fan useful static head	50 Pa
Compressor	n. 1
Sound pressure level (free field at 1 m)	59 db(A)
STD version working range	+10/+36 °C
Working range version /S	+1/+36 °C
Humidity working range	45-99% u.r.
Dimensions (height x width x depth)	101 x 62 x 50 cm
Weight	77 Kg
Air temperature increase (ambient temp. 20°C - 60% r.h.)	+7,2 °C
Thermal load in the environment (ambient temp. 20°C - 60% r.h.)	3,1 kW

DIMENSIONAL



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