



INDUSTRIAL AIR DEHUMIDIFIER MODEL **DRY-8500**

Technical sheet with latest revision 02/2024

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-8500

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

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-8500 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-8500 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-8500 STD (standard): temperature range +10/+36°C

DRY-8500 S (hot gas defrost): temperature range +1/+36°C

DRY-8500 ICE (low temperatures): temperature range -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

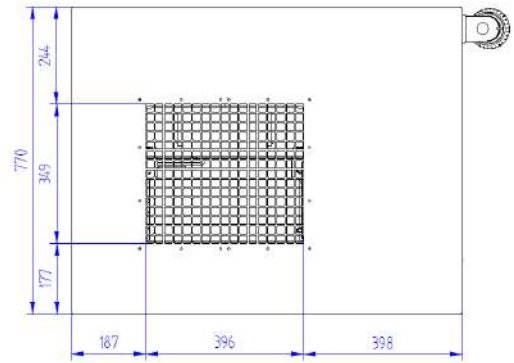
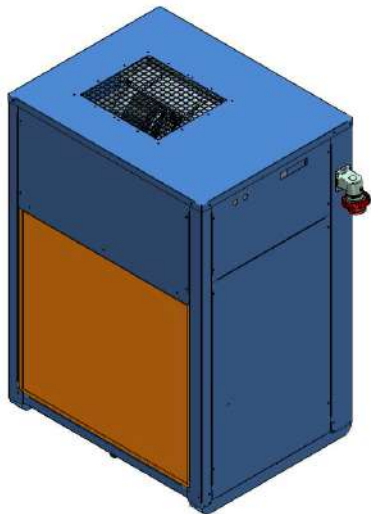
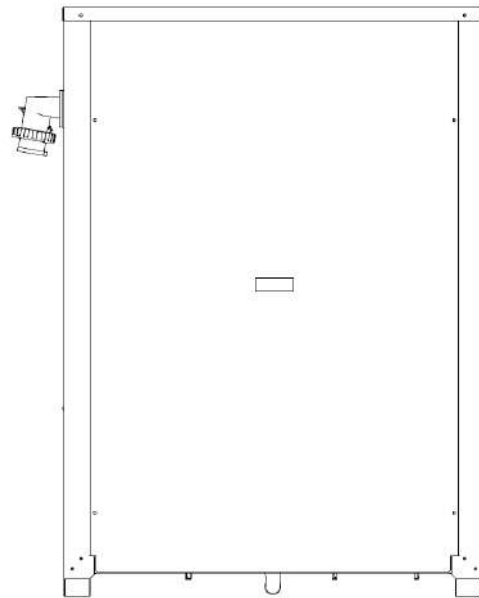
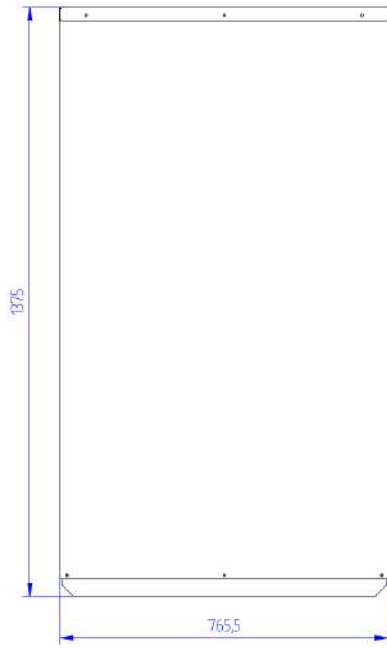
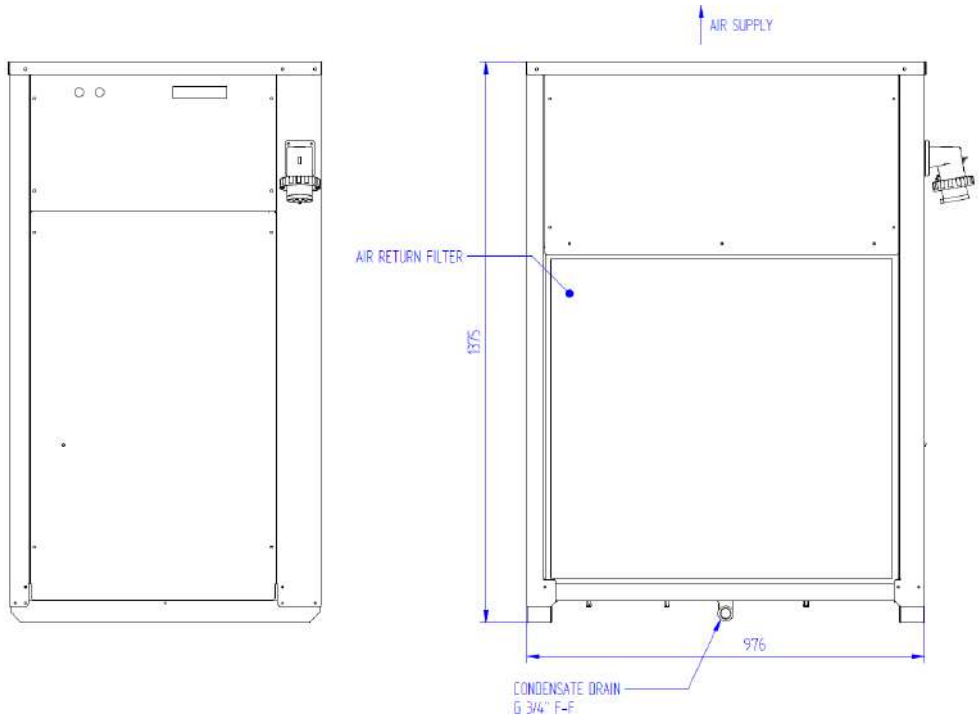
Department stores, industrial premises, dairies and cured meat and cheese maturing rooms, food industries, swimming pools and gyms, hotels, archives, rental, hygroscopic material deposits, closets, industrial laundries, garages, cellars and underground rooms, etc.

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

TECHNICAL DATA

Dehumidification capacity (35°C and 80% r.h.)	598 l/24h
Compressors tot. running power	8.70 kW
Field of work	-1/+36°
Compressors	n. 1
Refrigeration circuits	n. 1
Refrigerant	R410A
Quantity	n. 1
Total air flow	5000 m3/h
Total power fans	0.7 kW
Dimensions (Lenght x width x height)	770 x 1.100 x 1.375 mm
Weight	195 Kg
Nominal power	9.4 kW
Total Load current	25,0 A
Power supply	400/3+N/50 V/Ph/Hz

DIMENSIONAL



Relative humidity % External air	50%	60%	70%	80%
- 1 °C	45,1	63,9	80,3	91,3
0 °C	47,6	67,1	84,6	96,8
5 °C	59,0	77,7	98,3	122,0
10 °C	77,8	102,4	131,8	161,5
15 °C	95,5	141,4	185,5	232,4
20 °C	139,0	194,4	258,8	322,9
25 °C	199,7	273,1	342,5	418,4
30 °C	257,5	350,0	437,0	533,0
35 °C	308,9	414,4	368,4	597,8

Performance in Kg/24 h condensation at different temperatures and humidity

TECNOKLIMA SRL

Air treatment for companies and individuals

Administrative headquarters and warehouse:
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Email info@tecnoklima.it
Web www.tecnoklima.it



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