MLT Series
Desiccant Dehumidifier

Product Description

The MLT1400 desiccant dehumidifier is designed to effectively dehumidify high airflow applications using minimal energy. It is equipped with an internally sealed rotor unit. The rotor casing is constructed of durable thermoset plastic and contains isolated sections that provide a precise balance for dehumidification, reactivation, and heat recovery airflows. Its rugged formed metal frame and access panels are produced from corrosion resistant ALUZINK®.
The electrical control system conforms to EN 60204 (IEC204) standards. The electrical components are mounted on busbars and are constructed of halogenfree plastic. The electrical system is designed for up to 690V and 60º C. MLT Series dehumidifiers conform to both harmonised European Standards and to CE marking specifications.

Munters Rotor Technology

The desiccant rotor is manufactured from a corrugated composite material that is highly effective at attracting and holding water vapour. Every Munters dehumidifier applies a unique rotor technology. Airflows, air conditions, rotor sections, and rotor rotation speeds are optimised for specific applications. An innovative control system maximises the units energy efficiency. A characteristic of the MLT Series rotor technology is an extra rotor sector which provides high capacity, while simultaneously recovering heat, thereby effectively reducing the electrical power requirement

PRODUCT INFORMATION

MLT1400

Features

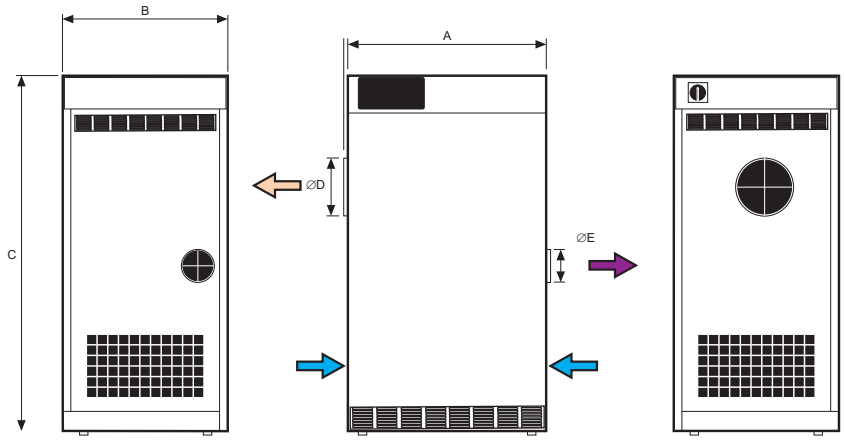
- Advanced control panel - diagnostic fault display.
- High airflow capacity.
- Minimal energy consumption.
- Unique plastic rotor casing 100 % corrosion resistance.
- Dehumidifies efficient down to -20°C.
- Interchangeable front and back panels - easier to install.

Munters

Model MLT1400

Diagram measurements are for reference only.

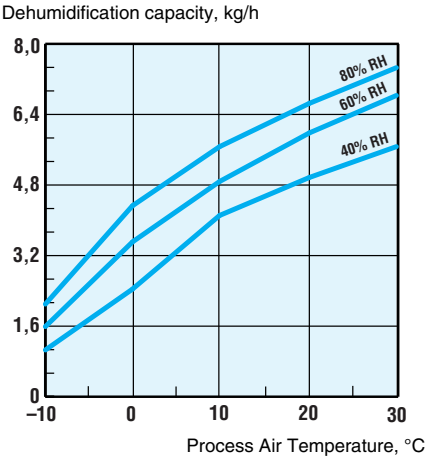
Scaled and dimensioned AutoCad drawings are available in Munters DryCap program.



Width (A)	Depth (B)	Height (C)	Diam. (D)	Diam. (E)	Weight
715 mm	590 mm	1410 mm	200 mm	125 mm	143 kg

Dehumidification Capacity

Approximate capacity in kg/h at different inlet process air relative humidity, % RH.



Technical Specification

Process air	
Rated airflow (m³/h)	1400
Available static pressure (Pa)	300
Reactivation air	
Rated airflow (m³/h)	254
Available static pressure (Pa)	300
Total power, voltage and current (amps/phase)	
Total power(kW)	8,37
220V 3-50Hz (A)	24,3
220V 3-60Hz (A)	24,6
230V 3-50Hz (A)	24,0
230V 3-60Hz (A)	23,9
380V 3-50Hz (A)	14,1
380V 3-60Hz (A)	14,2
400V 3-50Hz (A)	13,8
415V 3-50Hz (A)	13,5
440V 3-60Hz (A)	12,7
460V 3-60Hz (A)	12,4
480V 3-60Hz (A)	12,2
500V 3-50Hz (A)	10,8
Miscellaneous data Operating temperature (°C)	-20/+40
Sound power level to room Lw(A) dB, all inlets and outlets ducted	71
Air filter standard	G3
IEC protective class (unit)	IP33
IEC protective class (electrical panel)	IP54

Options

- Hours run counter (monitors the number of hours the system is operational)
- Blocked filter alarm
- Rotor stopped alarm
- Humidity control system with alarm and display
  Refer to the RH98 product data sheet
- Air cooled condenser
  Refer to the MLT1400L product data sheet
- Stainless steel sheet metal casing

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