

# MLT-L Series with Air Cooled Condenser



## Product Description

The MLT800L desiccant dehumidifier with air cooled condenser is designed to efficiently dehumidify in unheated closed spaces using minimal energy. The wet air from the dehumidifier is passed through the air cooled condenser and then returned to the rotor in a closed loop circuit. The components within the closed loop are constructed of stainless steel and thermoset plastic. Water removed by the condenser is drained away. The heat from the air cooled condenser is then either used in the application or ducted away. Its rugged formed metal frame and access panels are produced from corrosion resistant Aluzink®. The electrical system conforms to established ML Series standards as well as 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-L Series rotor technology is an extra rotor sector which provides high capacity, while simultaneously recovering heat, thereby effectively reducing the electrical power requirement. The reactivation air is continually re-circulated.

## PRODUCT INFORMATION

### MLT800L

#### Features

- Advanced control panel - diagnostic fault display.
- Minimal energy consumption.
- Heat recovery – condenser heat available.
- Easy to install – no wet air duct needed.
- High airflow capacity.



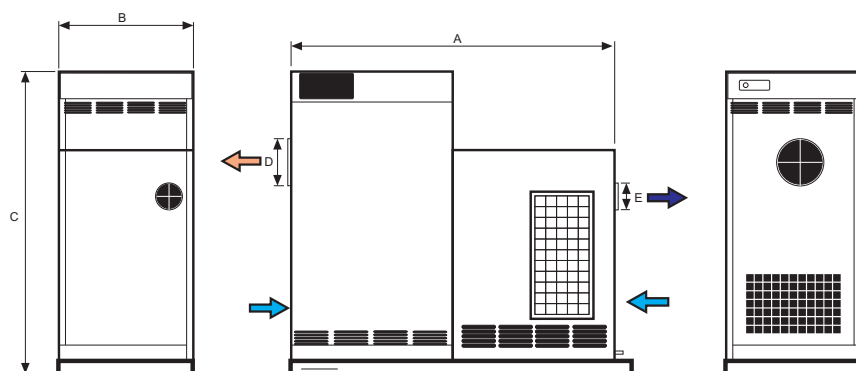
**Munters**

The Humidity Expert

## Model MLT800L

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 |
|-----------|-----------|------------|-----------|-----------|--------|
| 1500 mm   | 590 mm    | 1305 mm    | 160 mm    | 250 mm    | 214 kg |

## Technical Specification

### Process air

|                                |     |
|--------------------------------|-----|
| Rated airflow (m³/h)           | 800 |
| Available static pressure (Pa) | 200 |

### Reactivation air

|                      |     |
|----------------------|-----|
| Rated airflow (m³/h) | 155 |
|----------------------|-----|

### Condenser air

|                                   |      |
|-----------------------------------|------|
| Rated airflow (m³/h)              | 1250 |
| Available static pressure (Pa)    | 200  |
| Fan motor power (kW)              | 1,1  |
| Sensible heat, condenser air (kW) | 3,2  |

### Total power, voltage and current (amps/phase)

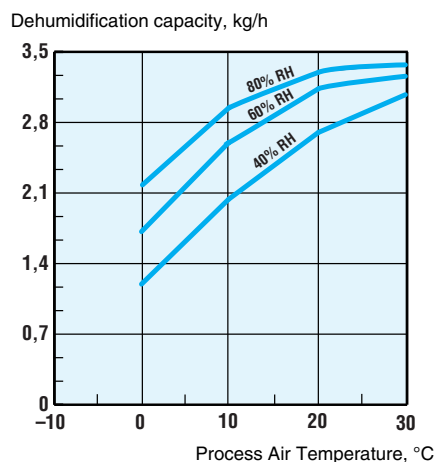
|                 |      |
|-----------------|------|
| Total power(kW) | 6,67 |
| 220V 3-50Hz (A) | 20,5 |
| 230V 3-50Hz (A) | 20,5 |
| 380V 3-50Hz (A) | 11,9 |
| 400V 3-50Hz (A) | 11,7 |
| 415V 3-50Hz (A) | 11,6 |

### Miscellaneous data

|                                         |        |
|-----------------------------------------|--------|
| Operating temperature (°C)              | +0/+25 |
| Max noise level unducted (dBA)          | 74     |
| Air filter standard                     | G3     |
| IEC protective class (unit)             | IP44   |
| IEC protective class (electrical panel) | IP54   |

## Dehumidification Capacity

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



## 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
- Stainless steel sheet metal casing



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