Product Description
The ML1350 desiccant dehumidifier is designed to efficiently dehumidify in low moisture applications. 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 airflow. Its rugged formed metal frame and access panels are produced from corrosion resistant ALUZINK®.

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 unit's energy efficiency.

A characteristic of the ML Series rotor technology is an extra rotor sector which provides high capacity, while simultaneously recovering heat, thereby effectively reducing the electrical power requirement.

High Efficiency and Reliability
- Desiccant dehumidification - high efficiency, even below 0°C
- Advanced rotor technology - high capacity with economic operating costs
- Internally sealed rotor unit - dehumidifies to low dewpoints
- Hard plastic rotor casing - corrosion resistant construction
- Efficiently designed electrical system - enhanced reliability

Easy Installation and Operation
- Advanced control panel - diagnostic fault display eases maintenance
- Remote display and automatic control - increases installation flexibility
- Humidistat control - optional control of complete unit or reactivation heater only
- Easily removed access panels - fast installation and service
- Replaceable EU 3 filter - enhances air quality
- Unit requires minimal floor area - allows installation in confined spaces
- Duct connections conform to ISO 7807 standards - simplifies air duct installation
- Interchangeable front and back panels - optional dry air installation

The electrical control system conforms to EN 60204 (IEC 204) standards. The electrical components are mounted on busbars and are constructed of halogen-free plastic. The electrical system is designed for up to 690V and 60°C.

ML Series dehumidifiers conform to both harmonised European Standards and to CE marking specifications.
Model ML1350

Diagram measurements are for reference only.

Scaled and dimensioned AutoCAD drawings are available in Munters' DryCap program.

Technical Specifications

<table>
<thead>
<tr>
<th>Width (A)</th>
<th>Depth (B)</th>
<th>Height (C)</th>
<th>Diam. (D)</th>
<th>Diam. (E)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>715 mm</td>
<td>590 mm</td>
<td>1452 mm</td>
<td>250 mm</td>
<td>160 mm</td>
<td>160 kg</td>
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Dehumidification capacity

Approximate capacity in kg/h.
For more detailed information, please contact your nearest Munters location or refer to Munters’ DryCap program.

1. Process air temperature, °C
2. Process air relative humidity, % RH
3. Dehumidification capacity, kg/h moisture removal kg/hour

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

Dehumidification capacity, kg/h

Temperature, °C

40% RH

30% RH

20% RH

10% RH

-10 0 10 20 30

Total power (kW) ______________  15,16
200V 3~50Hz (A) _______________ 91,2
200V 3~60Hz (A) _______________ –
380V 3~50Hz (A) _______________ 22,5
400V 3~50Hz (A) _______________ 23,5
415V 3~50Hz (A) _______________ 22,8
440V 3~60Hz (A) _______________ 21,7

Reactivation air heater

Heater power (kW) ______________ 13,5
Temperature increase across heater (°C) ______________ 95

Reactivation air heater

Rated airflow (m³/s) ______________ 0,136
Rated airflow (m³/h) ______________ 490
Available static pressure (Pa) ______________ 300
Fan motor power (kW) ______________ 0,55

Total power, voltage and current (amps/phase)

Total power (kW) _______________ 15,16
200V 3~50Hz (A) _______________ 91,2
200V 3~60Hz (A) _______________ –
380V 3~50Hz (A) _______________ 22,5
400V 3~50Hz (A) _______________ 23,5
415V 3~50Hz (A) _______________ 22,8
440V 3~60Hz (A) _______________ 21,7

Miscellaneous data

Operating temperature (°C) __ -20/ +40
Drive motor power (kW) ______________ 10
Max noise level unducted (dBA) ______________ 83
Air filter, standard ______________ EU3
IEC protective class unit ______________ IP44
electrical panel ______________ IP54
Winding insulation grade ______________ Class F
Fan motor ______________ Class F
Drive motor ______________ Class F
High temperature cut-out (°C) ______________ 160±5
Amperage rating remote on relay ______________ 2A, 250VAC (max)
alarm contact ______________ 2A, 250VAC (max)
Control voltage ______________ 24VAC

1 Stated performance based on 20°C and air density of 1.2kg/m³

Munters

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