**MUNTERS PRODUCT INFORMATION**

**ML Series**

**Desiccant Dehumidifier**

**Complete Dehumidification Package**

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**Product Description**

The ML1100 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®.

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**High Efficiency and Reliability**

- Desiccant dehumidification – high efficiency, even below 0º 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

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**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 EU3 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

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**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.
Model ML1100

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>153 kg</td>
</tr>
</tbody>
</table>

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

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, ºC
2. Process air relative humidity, % RH
3. Dehumidification capacity, kg/h

Dehumidification capacity, kg/h

<table>
<thead>
<tr>
<th>Temperature, ºC</th>
<th>Dehumidification capacity, kg/h</th>
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</thead>
<tbody>
<tr>
<td>40% RH</td>
<td>1.2</td>
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<tr>
<td>60% RH</td>
<td>0.9</td>
</tr>
<tr>
<td>80% RH</td>
<td>0.6</td>
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<tr>
<td>90% RH</td>
<td>0.4</td>
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1 Stated performance based on 20ºC and air density of 1.2kg/m³

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