

# ML Series

## Desiccant Dehumidifier



### 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 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 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.

### 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 ML 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

## ML1100

### Features

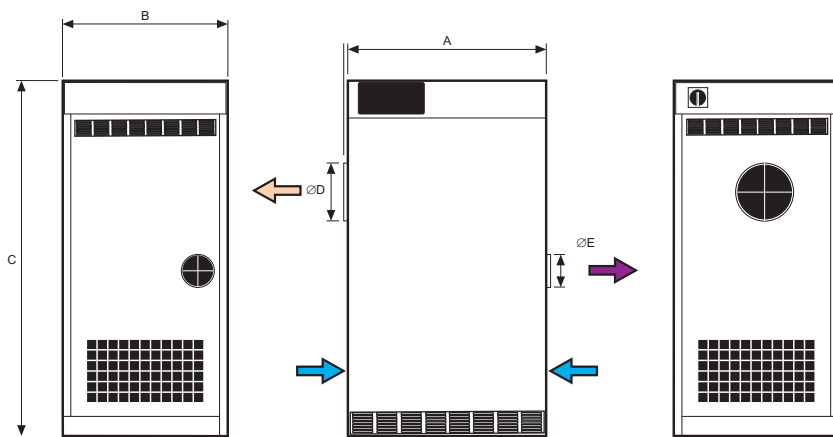
- Advanced control panel - diagnostic fault display.
- Unique plastic rotor casing 100 % corrosion resistance.
- Dehumidifies efficient down to -20°C.
- Dehumidifies to low dewpoint.
- Interchangeable front and back panels - easier to install.



## Model ML1100

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	1510 mm	250 mm	160 mm	153 kg

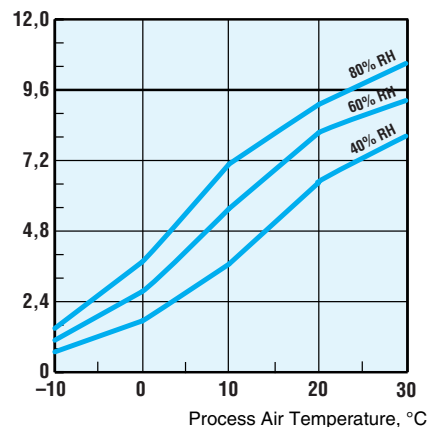
## Technical Specification

		IEC protective class (unit)	IP33
		IEC protective class (electrical panel)	IP54
<b>Process air</b>			
Rated airflow (m³/h)	1100		
Available static pressure (Pa)	300		
<b>Reactivation air</b>			
Rated airflow (m³/h)	408		
Available static pressure (Pa)	300		
<b>Total power, voltage and current (amps/phase)</b>			
Total power(kW)	12,75		
220V 3-50Hz (A)	36,0		
220V 3-60Hz (A)	36,4		
230V 3-50Hz (A)	35,1		
230V 3-60Hz (A)	35,2		
380V 3-50Hz (A)	20,8		
380V 3-60Hz (A)	21,0		
400V 3-50Hz (A)	20,2		
415V 3-50Hz (A)	19,8		
440V 3-60Hz (A)	18,6		
460V 3-60Hz (A)	18,0		
480V 3-60Hz (A)	17,6		
500V 3-50Hz (A)	16,0		
<b>Miscellaneous data</b>			
Operating temperature (°C)	-20/+40		
Max noise level unducted (dBA)	80		
Air filter standard	G3		

## Dehumidification Capacity

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

Dehumidification capacity, kg/h



## 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

**AUSTRALIA**  
Tel +61 2 8843 1588  
**CHINA**  
Tel +86 10 804 18000  
**INDIA**  
Tel +91 20 668 18 900  
**NETHERLANDS**  
Tel +31 172 43 32 31  
**SWEDEN**  
Tel +46 8-626 6300  
**UNITED KINGDOM**  
Tel +44 8708 505 202

**AUSTRIA**  
Tel +43 1 6164298-0  
**DENMARK**  
Tel +45 4495 3355  
**ITALY**  
Tel +39 0183 521377  
**POLAND**  
Tel +48 58 305 35 17  
**SWITZERLAND**  
Tel +41 52 3438886  
**UNITED STATES**  
Tel +1 978 241 1100

**BELGIUM**  
Tel +32 2 240 68 68  
**FINLAND**  
Tel +358 9 8386 030  
**JAPAN**  
Tel +81 3 5970 0021  
**SINGAPORE**  
Tel +65 6744 6828  
**THAILAND**  
Tel +66 2 642 2670-3  
**VIETNAM**  
Tel +84 8 825 6838

**BRAZIL**  
Tel +55 41 3317 5050  
**FRANCE**  
Tel +33 1 3411 5757  
**KOREA**  
Tel +82 2 761 8701  
**SOUTH AFRICA**  
Tel +27 11 997 2000  
**TURKEY**  
Tel +90 212 286 1838

**CANADA**  
Tel +1 905 8585894  
**GERMANY**  
Tel +49 40 73416-01  
**MEXICO**  
Tel +1 52 722 270-4029  
**SPAIN**  
Tel +34 91 640 09 02  
**UNIT. ARAB EMIRATES**  
Tel +971 4 881 3026

www.munters.com



DH/MEA/PGB-0023-10/10