Product sheet

Munters M300

Next level portable dehumidifier

Smart, robust, portable, and hyper-efficient, the M300 is a groundbreaking portable dehumidifier from Munters, the world leader in professional dehumidification. Featuring a completely redesigned structure, a robust yet precise construction, a state-of-the-art control system with intuitive controls, and future-proof connectivity options, the M300 sets a new standard in portable dehumidification.

The M300 is entirely new, inside and out. The lightweight yet highly robust casing in UL-certified ABS has opened up new possibilities for our designers and engineers to develop a unit that is portable, easy to connect, and quick to get up and running. For many users, the pre-set values will make installation a simple plug-and-play process. For those with more specific requirements, the

easy-to-use AirC 200 control system offers every opportunity to customize setpoints such as calculated dew-point, add external sensors, alarm signals – and more. This makes the M300 both straightforward to use and more advanced than anything comparable on the market.

The performance of the M300 sets a new benchmark for its class. With maximized energy efficiency, the M300 has the capacity to handle up to 300 m³ of air per hour, allowing it to be used in the most demanding applications, all with a minimal energy consumption. With an internal airtight aluminum construction around the dessicant wheel, leakage is reduced to its minimum. Energy recovery between process and reactivation air is vastly improved thanks to Munters Energy Recovery Power Purge (ERPP) design, further reducing energy consumption.

Extremely reliable, the M300 is designed to offer efficient dehumidification with minimal maintenance and service requirements in demanding environments. It operates consistently, day in and day out, year-round, in military storage facilities, exposed offshore environments, construction sites, and for water damage restoration. At the same time, the intelligent control system provides optimal climate control in environments such as laboratories, the food industry, electronics manufacturing, archives, and other tightly controlled and sensitive applications. A versatile and tough workhorse with a smart interior — who wouldn't want such a colleague?
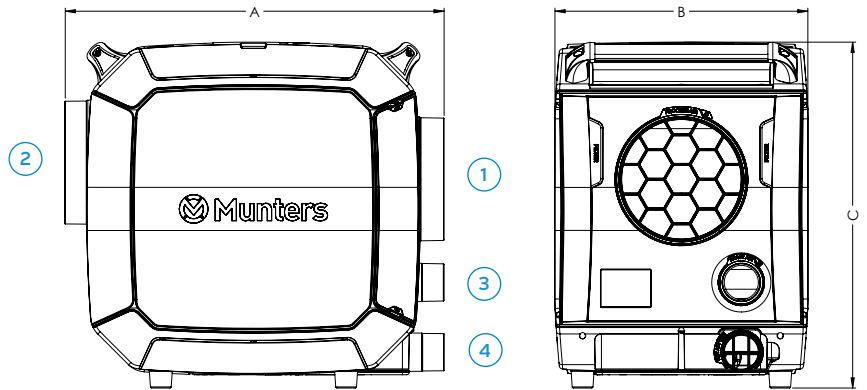
The new M300 is the first in a new generation of dehumidifiers from Munters, making it a future-proof and smart investment.

Munters M300

Portable air dehumidifier

Dimensions

A: Width	614 mm
B: Depth	410 mm
C: Height	560 mm
Weight	23 kg
1. Process air in	200 mm
2. Dry air out	200 mm
3. Reactivation air in	63 mm
4. Wet air out	63 mm

Technical specifications

Capacity	
Full capacity 20 °C/60% RH	1.84 kg/h
Airflow	300 m³/h
Static pressure at 300 m³/h	250 Pa

Total power, voltage & current	
Total power (Limited depending on running conditions)	3 kW
Voltage	220–240 V
Frequency	50/60 Hz
Max current	12.5–13.6 A
Heater power	2,780 W
Efficiency at 20 °C/60% RH	1.16 kW/kg H_2O

Airflow reactivation	
Max reactivation airflow reactivation	90 m³/h
Static pressure	250 Pa

Miscellaneous data	
IEC Protective class	IP54
Filter class	ISO Coarse 60% (G4) accessory ePM10 60% (M5)
Operating temperature	-20 °C to +40 °C
Noise level	62.6 dB (A)

Standard features – Base and Pro

→ Robust aluminum inside/plastic casing
→ Self-regulating (PTC) heater
→ Built-in humidity sensor
→ Dehumidification control displaying Relative humidity, Absolute humidity or Dew point
→ Resettable kWh and hour counter
→ Socket for external sensor
→ Filter change without tools
→ Modbus TCP and RTU – communication
→ External signal – communication
  - Remote on/off
  - Operation
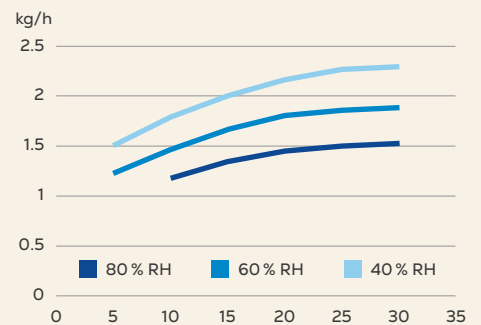 - Alarm

Accessories – Base and Pro

→ Wall bracket
→ External, cabled RHT duct/wall sensor

Accessories – Pro only

→ AirC Wireless control node
→ AirC Wireless duct/wall sensors

Dehumidification capacity

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

Legend: 80 % RH, 60 % RH, 40 % RH

Find your nearest Munters office at **www.munters.com**