

M120

Desiccant Dehumidifier



Product Description

The M120 desiccant dehumidifier is designed to efficiently dehumidify air. Its very compact construction incorporates sections held together by four bolts. The sections contain fans that are driven by a common motor, a direct gear driven desiccant rotor, and a reactivation airflow heater. The two end casings contain distribution chambers with isolated sections that provide a precise balance for dehumidification and reactivation airflows. Its rugged casing is constructed from corrosion resistant die cast aluminium. The electrical control system conforms to EN 60204 (IEC204) standards and the electrical components are assembled in the front compartment. The M120 dehumidifier conforms 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 M120 rotor technology is an efficient air distribution chamber which divides the sectors and balances the dehumidification and reactivation airflows.

PRODUCT INFORMATION

M120

Features

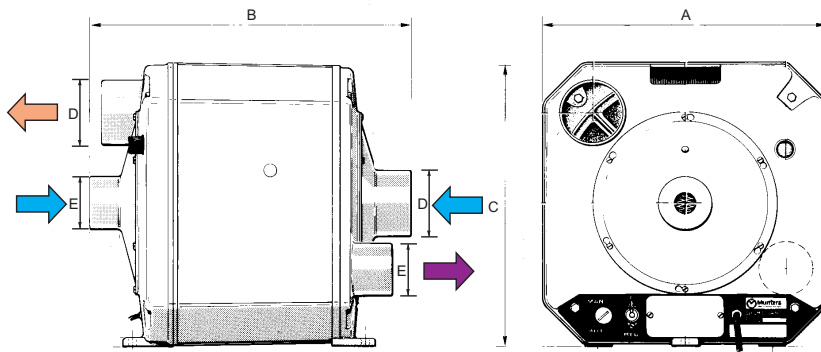
- High dehumidification capacity down to -20°C.
- Robust design.
- Shock and vibration proof.
- Humidity plug with low voltage.
- Requires minimal floor area.



Model M120

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
425 mm	481 mm	425 mm	100 mm	80 mm	26 kg

Technical Specification

IEC protective class (electrical panel)

IP44

Process air

Freeblowing at 50Hz (m ³ /h)	180
Freeblowing at 60Hz (m ³ /h)	210
Rated airflow (m ³ /h)	120
Available static pressure 50Hz (Pa)	200
Available static pressure 60Hz (Pa)	360

Reactivation air

Rated airflow (m ³ /h)	35
Available static pressure (Pa)	100

Total power,

voltage and current (amps/phase)

Total power(kW)	1,3
115V 1-50Hz (A)	10,9
115V 1-60Hz (A)	11,6
200V 1-50Hz (A)	6,3
200V 1-60Hz (A)	6,6
220V 1-50Hz (A)	5,7
220V 1-60Hz (A)	6,0
230V 1-50Hz (A)	5,7
230V 1-60Hz (A)	6,0
240V 1-50Hz (A)	5,7
240V 1-60Hz (A)	6,0

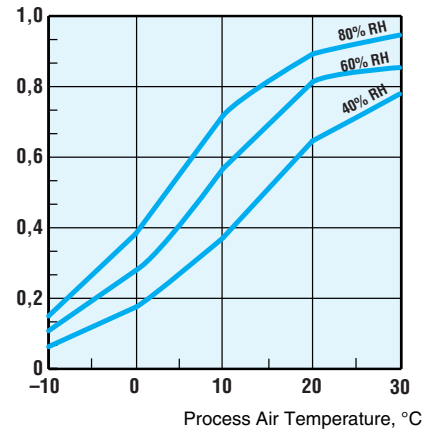
Miscellaneous data

Operating temperature (°C)	-40/+40
Max noise level unducted (dBA)	68
Air filter standard	G3
IEC protective class (unit)	IP44

Dehumidification capacity

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

Dehumidification capacity, kg/h



Options

- Wall bracket
- Floor stand
- Enhanced filter
- Electromechanical humidistat

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