

ML Series Desiccant Dehumidifier



Product Description

The ML420 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

ML420

Features

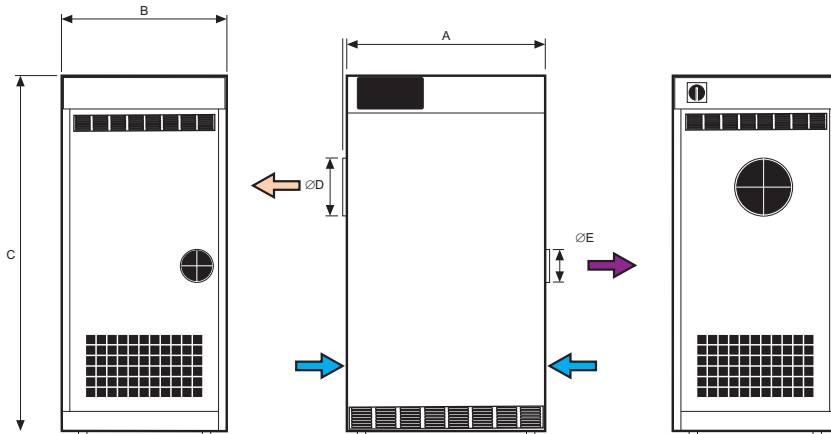
- Advanced control panel - diagnostic fault display.
- Unique plastic rotor casing 100 % corrosion resistance.
- Dehumidifies efficient down to -20°C.
- Dehumidifies to low dewpoint.
- Interchangeable front and back panels - easier to install.



Model ML420

Diagram measurements are for reference only.

Scaled and dimensioned AutoCad drawings are available in Munters DryCap program.



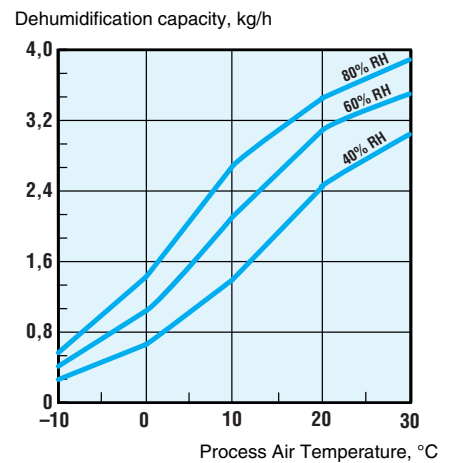
Width (A)	Depth (B)	Height (C)	Diam. (D)	Diam. (E)	Weight
719 mm	590 mm	1305 mm	160 mm	100 mm	125 kg

Technical Specification

Process Air		IEC protective class (unit)	IP33
Rated airflow (m ³ /h)	420	IEC protective class (electrical panel)	IP54
Available static pressure (Pa)	200		
Reactivation air			
Rated airflow (m ³ /h)	155		
Available static pressure (Pa)	200		
Total power, voltage and current (amps/phase)			
Total power(kW)	4,57		
220V 3-50Hz (A)	12,6		
220V 3-60Hz (A)	12,6		
230V 3-50Hz (A)	12,1		
230V 3-60Hz (A)	12,1		
380V 3-50Hz (A)	7,3		
380V 3-60Hz (A)	7,3		
400V 3-50Hz (A)	7,0		
415V 3-50Hz (A)	6,7		
440V 3-60Hz (A)	6,4		
460V 3-60Hz (A)	6,1		
480V 3-60Hz (A)	5,9		
500V 3-50Hz (A)	5,6		
Miscellaneous Data			
Operating temperature (°C)	-20/+40		
Sound power level to room Lw(A) dB, all inlets and outlets ducted	66		
Air filter standard	G3		

Dehumidification Capacity

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



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
- Air cooled condenser
Refer to the ML420L 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 1480 432 243

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 20 776 8230
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 +90 262 751 3750

CANADA
Tel +1 905 8585894
GERMANY
Tel +49 40-879690-0
MEXICO
Tel +1 52 722 270-4029
SPAIN
Tel +34 91 640 09 02
UNIT. ARAB EMIRATES
Tel +971 4 8809295

www.munters.com



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