

ML-L Series with Air Cooled Condenser



Product Description

The ML180L desiccant dehumidifier with air cooled condenser is designed to efficiently dehumidify in unheated closed spaces. The wet air from the dehumidifier is passed through the air cooled condenser and then returned to the rotor in a closed loop circuit. The components within the closed loop are constructed of stainless steel and thermoset plastic. Water removed by the condenser is drained away. The heat from the air cooled condenser is then either used in the application or ducted away. Its rugged formed metal frame and access panels are produced from corrosion resistant Aluzink®. The electrical system conforms to established ML-L Series standards as well as 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-L Series rotor technology is an extra rotor sector which provides high capacity, while simultaneously recovering heat, thereby effectively reducing the electrical power requirement. The reactivation air is continually re-circulated.

PRODUCT INFORMATION

ML180L

Features

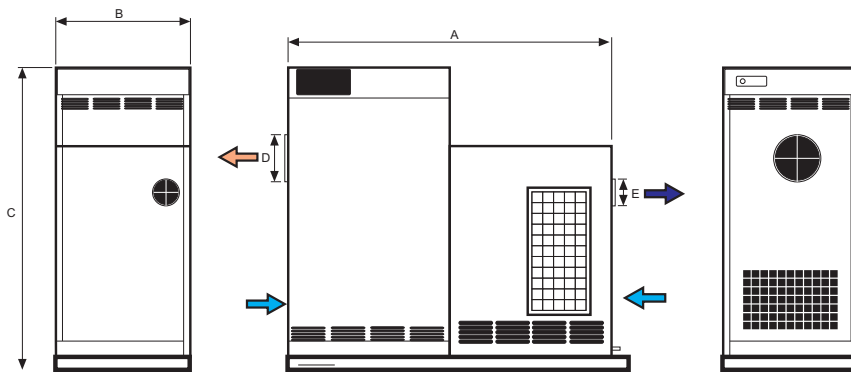
- Heat recovery – condenser heat available.
- Easy to install – no wet air duct needed.
- Dehumidifies efficient down to -0°C.
- Unique plastic rotor casing 100% corrosion resistance.



Model ML180L

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
1141 mm	410 mm	910 mm	125 mm	200 mm	113 kg

Technical Specification

Process Air

Rated airflow (m ³ /h)	180
Available static pressure (Pa)	200

Reactivation air

Rated airflow (m ³ /h)	67
-----------------------------------	----

Condenser air

Rated airflow (m ³ /h)	650
Available static pressure (Pa)	200
Fan motor power (kW)	0,3
Sensible heat, condenser air (kW)	1,4

Total power, voltage and current (amps/phase)

Total power(kW)	2,57
220V 1-50Hz (A)	12,4
230V 1-50Hz (A)	12,0
240V 1-50Hz (A)	11,7

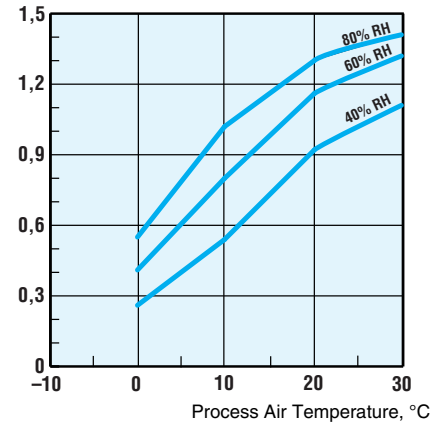
Miscellaneous Data

Operating temperature (°C)	+0/+25
Max noise level unducted (dBA)	75
Air filter standard	G3
IEC protective class (unit)	IP33
IEC protective class (electrical panel)	IP54

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)
- 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 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



DH/MEA/PGB-0044-11/02