

MCS Series

Desiccant Dehumidifier



Product Description

The MCS300 desiccant dehumidifier is designed to efficiently dehumidify air in open system applications. The compact construction allows extended periods of operation with a minimum of maintenance. The design facilitates easy transport by one person to and within the spaces to be dehumidified. As standard an advanced control panel for easy and user friendly control of different functions is fitted. An energy consumption monitor that can be reset makes it possible to measure the consumption (kWh) during a specific period. Its rugged formed metal frame and access panels are produced from stainless steel. The electrical control system conforms to EN 60204 (IEC204) standards and the electrical components are assembled behind the control panel. MCS300 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 unit's energy efficiency. A characteristic of the MCS300 rotor technology is an efficient air distribution chamber, which divides the sectors and balances the dehumidification and reactivation airflows.

PRODUCT INFORMATION

MCS300

Features

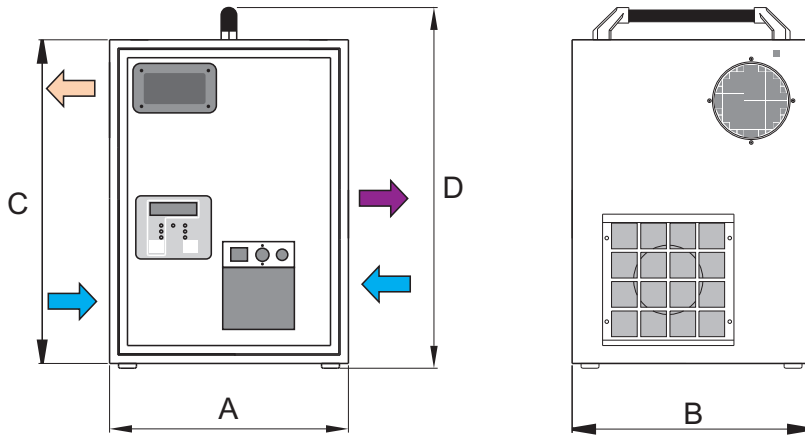
- Requires minimal floor area.
- Advanced user friendly control panel and display.
- Easy monitoring of energy consumption.
- Built in safety function - fault signals for temperature control and tripped thermostat.
- Simplified maintenance - no need to open unit.
- Humidistat plug with low voltage.



Model MCS300

Diagram measurements are for reference only.

Scaled and dimensioned AutoCAD drawings are available in Munters' DryCap program.



Width (A)	Depth (B)	Height (C/D)	Dry air	Wet air	Weight
400 mm	400 mm	550/605 mm	125 mm	80 mm	25 kg

Technical Specification

Process air

Rated airflow (m ³ /h)	300
Available static pressure (Pa)	200

Reactivation air

Rated airflow (m ³ /h)	60
Available static pressure (Pa)	200

Total power, voltage and current (amps/phase)

Total power(kW)	2,1
115V 1-50/60Hz (A)	14,5
230V 1-50Hz (A)	9,1

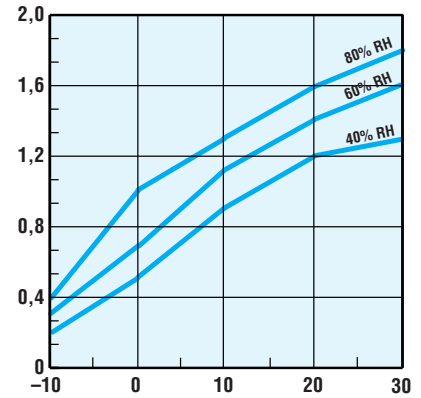
Miscellaneous data

Operating temperature (°C)	-20/+40
Max noise level unducted (dBA)	60
Air filter standard	G3
IEC protective class (unit)	IP44
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



Process Air Temperature, °C

Options

- Electromechanical humidistat
- Air cooled condenser
- Silencer (air inlet)
- Humidistat connection Kit

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-0072--09/12