

MCS300 dehumidifier



Munters dehumidifier with air cooled condenser

Product Description

The MCS300 dehumidifier with air cooled condenser is designed to efficiently dehumidify air in enclosed spaces.

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.

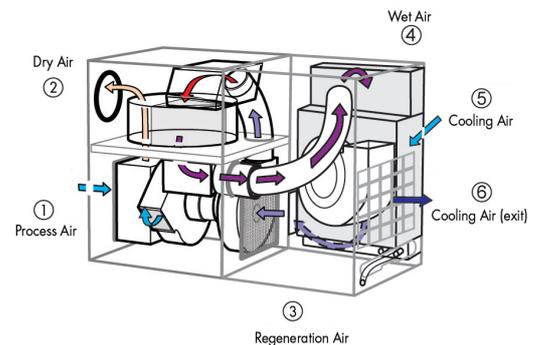
An innovative control system maximises the unit's energy efficiency. A characteristic of the MCS300 rotor technology is an efficient air distribution chamber, which divides the sectors and balances the dehumidification and reactivation airflows.

PRODUCT INFORMATION

MCS300+C300

Features

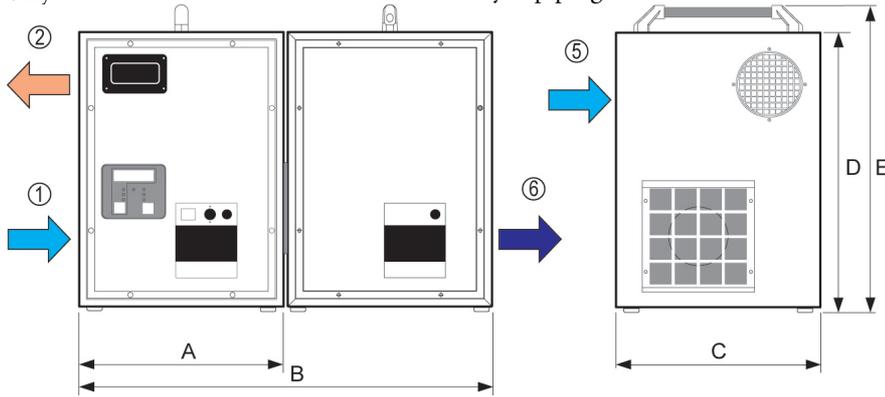
- Requires minimal floor area.
- Advanced user friendly control panel and display.
- Easy monitoring of energy consumption.
- Built in safety function - fault signals for temperature control and tripped thermostat.
- Simplified maintenance - no need to open unit.
- Humidistat plug with low voltage.



Model MCS300+C300

Diagram measurements are for reference only.

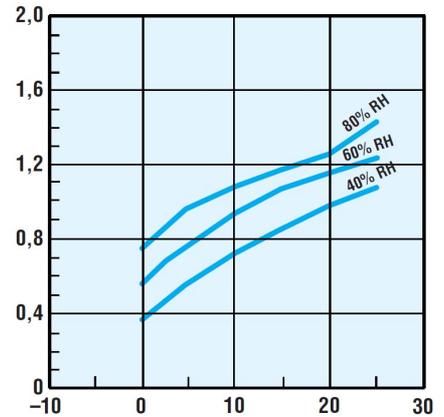
Scaled and dimensioned AutoCAD drawings are available in Munters' DryCap program.



Width (A/B)	Width (C)	Height (D/E)	Dry Air	Weight
400/810 mm	400 mm	550/605/619 mm	125 mm	25+21 kg

Dehumidification Capacity

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



Technical Specification

Process air.

Rated airflow (m ³ /h)	300	Total power *2	
Available static pressure (Pa)	85	MCS300 (kW)	2,1
Fan power (kW)	0,11	C300 (kW)	0,4
.	.	*2 Separat elanslutning för dom två aggregaten	.

Reactivation air.

Rated airflow (m ³ /h)	60
Fan power (kW) *1	-

*1 Gemensam motor för process- och regenereringsfläktar

Reactivation air heater

Reactivation heater power (kW)	1,95
Temperature increase (°C)	95

Condenser air

Rated airflow (m ³ /h)	400
Available static pressure (Pa)	-
Fan motor power (kW)	0,210
Sensible heat, condenser air (kW) at +20°C 50% RH	1,6
Heater power (kW)	0,175

Miscellaneous Data

Operating temperature (°C)	0/+25
Max. noise level, all ducts connected (dba)	70
Air filter standard	EU3
IEC protective class (unit)	IP44
IEC protective class (electrical panel)	IP54
Drive motor power (W)	2
High temperature cut - out (°C)	160±5

Options

- Electromechanical humidistat
- Humidistat connection Kit