MX² 60
Dehumidifier

Features

- Efficient dehumidification between -20°C and 40°C

- Modulating humidity control including wet air temp sensor

- Communication and external control options

- Filter and rotor stop alarm as standard

- Energy saving options

- Service and running indicator alarm as external indicators

Product description

The MX² 60 combines traditional Munters strengths like efficiency and robustness with modern state of the art technology like modulating RH control and communication.

Low energy consumption and reliability are important in todays processes. Our modern control system together with high efficient fans which, meet the EU Ecodesign directive, supported with frequency converters give you numerous options to optimise your energy consumption. The Energy Recovery Purge (ERP) or Energy Efficiency Purge (EEP) is available as a standard option in order to save energy.

The MX² 60 is equipped with a number of alarm functions to ensure total control of the dehumidification process. Frame casing and outer panels are made of corrosion resistant AluZink and coated in RAL 7035.

The MX² 60 dehumidifier covers a wide range of needs by providing a variety of standard functions. The numerous options will allow pre- and post-treatment by simply adding mechanical and electrical components.

The MX² 60 can be supplied with 3 different reactivation alternatives - electrical, steam and gas. A service indicator activates when a preventative service is due, this is a standard feature. To make installation easier the process fan inlet has been designed to allow for different outlet positions.

The electrical equipment conforms to EN 60204 (IEC204). The MX² series of dehumidifiers conform to both harmonised European standards and technical specifications for CE marking.
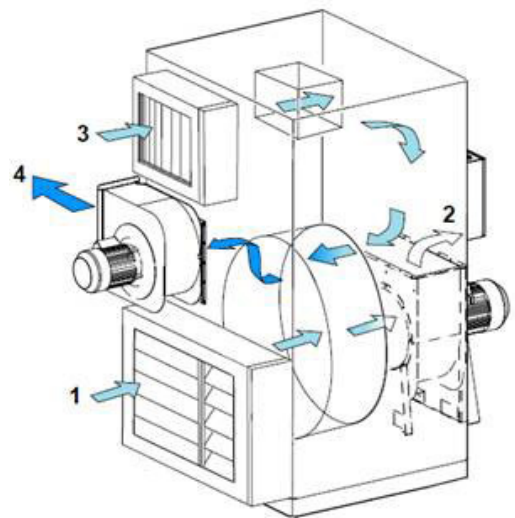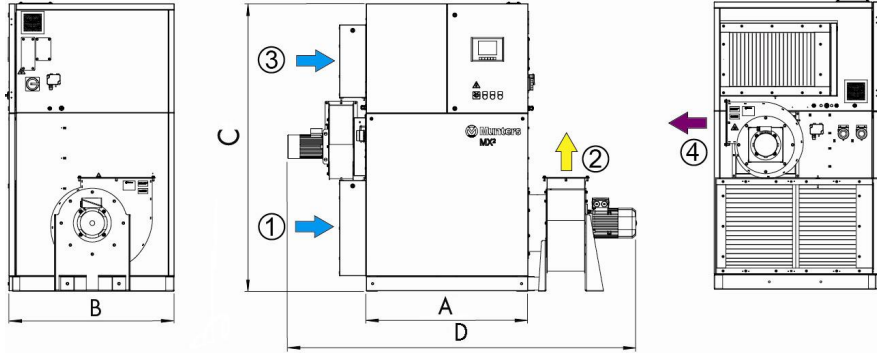
Munters Rotor Technology

Munters desiccant rotors are highly effective moisture-absorbing substances. An option for the MX² series rotor technology is the ERP or EEP solution reducing the energy consumption.

1. Process air
2. Dry air
3. Reactivation air
4. Wet air

Model MX² 60

Diagram measurements are for reference only.

Height (C)	Dry air	Wet air	Weight	Width (A/D)	Depth (B)
2204mm	273x500mm	185x400mm	721kg	1068/2416mm	1307mm

Technical Specification

Process Air
Rated airflow (m³/h)	6000
Available static pressure (Pa)	300
Fan power (kW)	7.5

Reactivation air
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Rated airflow (m³/h)	1980
Fan Power (kW)	1.5
Static Pressure at rated airflow (m³/h)	300

Total power, voltage and current (amps/phase)
Total power (kW) Electrical	75.5
Total power (kW) Steam/Gas	9.5
380V 3-50 Hz (A) Electrical	119
380V 3-50 Hz (A) Steam/Gas	19
400V 3-50 Hz (A) Electrical	113
400V 3-50 Hz (A) Steam/Gas	18
415V 3-50 Hz (A) Electrical	109
415V 3-50 Hz (A) Steam/Gas	17
440V 3-60 Hz (A) Electrical	103
440V 3-60 Hz (A) Steam/Gas	16
Max steam working pressure (bar) (g)	7
Gas consumption (m³/h)	6.5
Natural gas pressure (mbar)	18-49
Max sulphur content (ppm) HPS Rotor	30
Steam consumption 3 bar (g/s)	30.9
Steam consumption 5 bar (g/s)	31.6
Total power with ERP,Electrical (kW)	69.5
Steam consumption with ERP 3 bar (g)	28.1
Gas consumption with ERP (m3/h)	5.91
Moisture removal 20°C, 60% (kg/24hr)	1220

Steam consumption with ERP 5 Bar (g)	28.8

Miscellaneous Data
Operating temperature (ºC)	-20-+40
Max. noise level, all ducts connected (dbA)	73
IEC protective class (unit)	33
IEC protective class (electrical panel)	54
Filter class	G4
Motor winding insulation	F

Dehumidification Capacity

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

Process air temperature °C
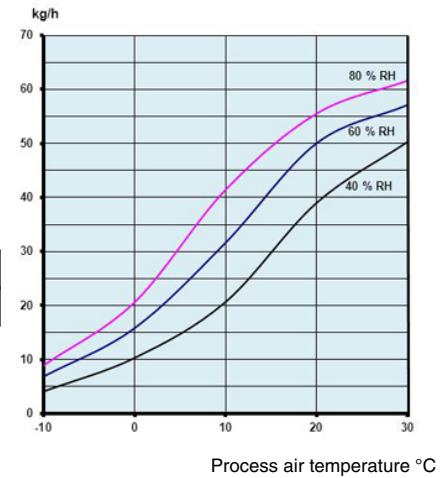
Options

- Bypass
- Communication via Modbus, BACnet or Lon
- Dewpoint sensor
- Energy Efficiency Purge (EEP)
- Energy Recovery Purge (ERP)
- External controls
- Filters M5, G4 or G4/F7 combination
- Heaters-gas,electric or steam
- Pre-react heaters - heat water or steam
- Insulated process air inlet
- Mirror handed
- Stainless steel casing
- Touch screen display

Munters