

- 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
- Munters Connected Climate® (MCC)
- Plenum fan for public areas



MX² 55 Desiccant dehumidifier

The MX² 55 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 today's processes. Our modern control system together with the high efficient fans with frequency converters and the Energy Recovery Purge (ERP) or Energy Efficiency Purge (EEP), ensure optimal energy savings.

The MX² 55 is equipped with a number of alarm functions to provide a total control of the dehumidification process.

Casing has corrosion class C4. The dehumidifier can be supplied with 3 reactivation alternatives, as for electrical, steam and gas, and with 2 different process fans, the centrifugal one or the plenum fan, which is designed for units placed in public areas, such as ice hockey rinks.

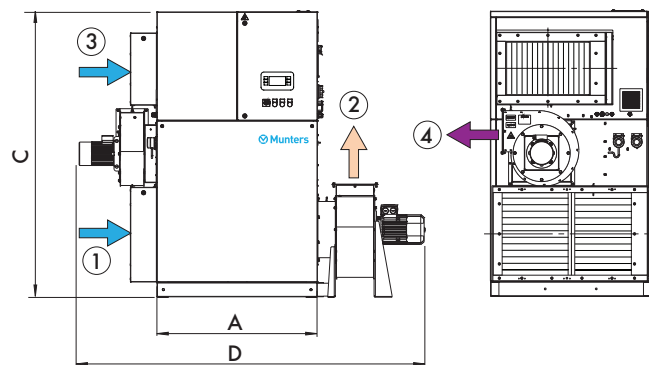
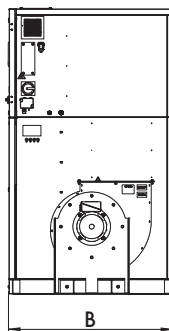
The electrical equipment conforms to EN 60204. The MX² series of dehumidifiers conform to both harmonised European standards and technical specifications for CE marking.



MX² 55

Dimensions

A/D: Width	1.068 / 2.252 mm
B: Depth	1.091 mm
C: Height	1.909 mm
Weight	492 kg
Dry air	247 x 450 mm
Wet air	154 x 250 mm
1. Process air	3. Reactivation air
2. Dry air	4. Wet air



Measurement diagram for reference only.

Technical specifications

Process Air

Rated airflow (m³/h)	5.500
Available static pressure (Pa)	300
Fan power (kW)	3

Reactivation air

Rated airflow (m³/h)	1.080
Available static pressure (Pa)	300
Fan Power (kW)	1,1

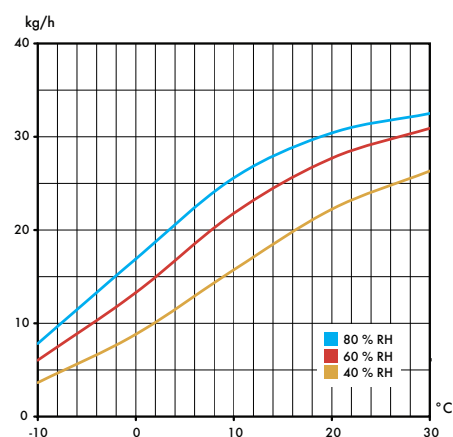
Total power, voltage & current (amps/phase)

Total power (kW) Electrical	40,6
Total power (kW) Steam/Gas	4,6
380V 3-50Hz (A) Electrical	64
380V 3-50Hz (A) Steam/Gas	10
400V 3-50Hz (A) Electrical	61
400V 3-50Hz (A) Steam/Gas	9
415V 3-50Hz (A) Electrical	59
415V 3-50Hz (A) Steam/Gas	9
440V 3-60Hz (A) Electrical	56
440V 3-60Hz (A) Steam/Gas	8
Max steam working pressure (bar) (g)	7
Gas consumption (m³/h)	3,54
Natural gas pressure (mbar)	18 - 49
Max sulphur content (ppm) HPS Rotor	30
Steam consumption 3 bar (g/s)	16,9
Steam consumption 5 bar (g/s)	17,3
Total power with ERP Electrical (kW)	40,6
Steam consumption with ERP 3 bar (g)	16,9
Steam consumption with ERP 5 Bar (g)	17,3
Gas consumption with ERP (m³/h)	3,54
Moisture removal 20°C, 60% (kg/24hr)	660

Miscellaneous data

Operating temperature (°C)	-20/+40
Sound power level to room Lw(A) dB, all inlets and outlets ducted	72
IP class (unit)	33
IP class (electrical)	54
Filter class	G4
Motor winding insulation	F

Dehumidification capacity



Process air temperature.

Options

- Bypass
- Communication via Modbus, BACnet or Lon
- Dewpoint sensor
- Energy Efficiency Purge (EEP)
- Energy Recovery Purge (ERP)
- External controls
- Filters ePM10 60% (M5), Coarse 65% (G4) or Coarse 65% / ePM1 60% (bag filter G4/F7)
- Heaters-gas,electric or steam
- Pre-react heaters - heat water or steam (JAN)
- Insulated process air inlet
- Mirror handed
- Stainless steel casing
- Munters Connected Climate® (MCC)
- Plenum fan

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