









# MX<sup>2</sup> 55 Desiccant dehumidifier

The MX<sup>2</sup> 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 todays 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 MX<sup>2</sup> 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 icehockey rinks.

The electrical equipment conforms to EN 60204. The MX<sup>2</sup> series of dehumidifiers conform to both harmonised European standards and technical specifications for CE marking.

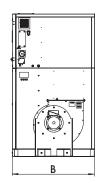


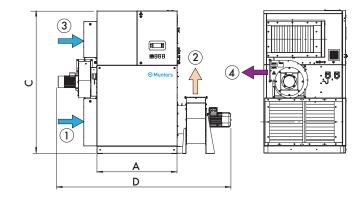
MX<sup>2</sup> 55



#### **Dimensions**

1.068 / 2.252 mm
1.091 mm
1.909 mm
492 kg
247 x 450 mm
154 x 250 mm
Reactivation air Wet air



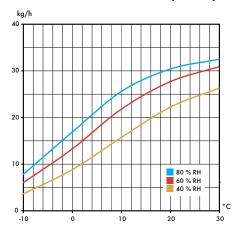


Measurement diagram for reference only.

### 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)	1 <i>7</i> ,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)	1 <i>7</i> ,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

