Product sheet

Munters MX3 30

Desiccant standalone dehumidifier

Munters MX3 30 is the compact base line dehumidifier in the MX3 range. It is designed to deliver precise humidity control for high demanding industries, ensuring optimal air quality and operational efficiency. It can be installed as a standalone powerhouse - or as the centerpiece of a highly customized solution, the MX3 PLUS.

Constructed with durability in mind, the MX3 30 is built to last and easy to service. It is housed in an anti-corrosion Munters Protect casing which guarantees longer product life-cycle, reduced total cost of ownership and less environmental impact. Designed for ease of maintenance, these dehumidifiers feature improved filter access, rotor stop alarms, and external service indicators, allowing for quick diagnostics and minimal downtime. Additionally, multiple reactivation options – including electrical, steam, and gas – offer flexibility for different operational setups.

The advanced rotor technology offers the choice of Energy Recovery Purge (ERP) and Energy Efficiency Purge (EEP), ensuring efficient and reliable performance.
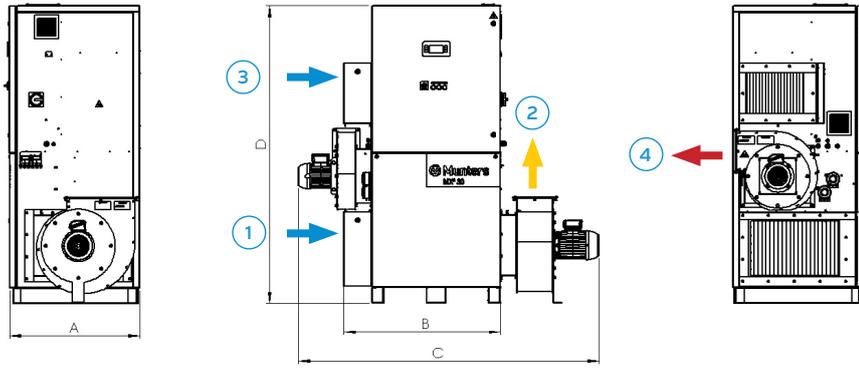
At the heart of the MX3 30 is the powerful AirC800 controller, which provides intelligent, modulating humidity control to ensure optimal performance

in any setting. The dehumidifier uses BTL Certified BACnet communication and conforms to CE marking specifications, RoHS & REACH and to the EU standards EN 60204-1:2018, EN 61000-6-2:2019 and EN IEC 61000-6-3:2021.

With connectivity capabilities, the MX3 30 ensures that your dehumidification system remains future-ready, scalable, and easy to integrate into existing industrial and commercial infrastructures.

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
→ Plenum fan for public areas
→ Remote monitoring and controlling
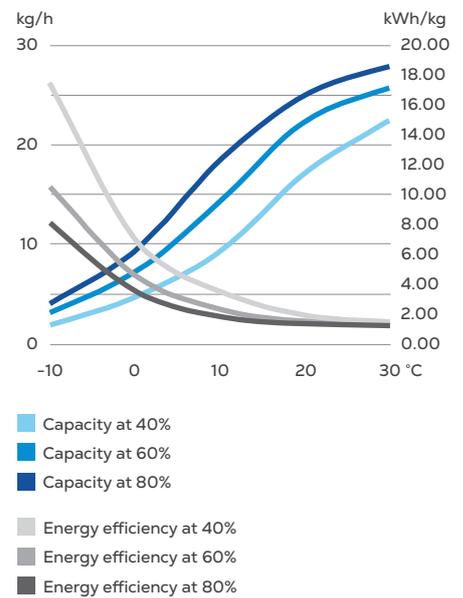→ 2D drawings in DXF and SVG formats

Dimensions (mm)	MX3 30
A: Depth	810
B: Width	800
C: Width	1896
D: Height	1872
1: Process air IN	360×564
2: Dry air OUT	220×400
3: React air IN	260×360
4: Wet air OUT	110×222
Weight (kg)	407

Technical specifications

	MX3 30
Moisture removal 20 °C, 60% RH (kg/hr)	22.3
Energy consumption 20 °C, 60% RH (kWh/kgH_2O)	1.49
Sound power level to room Lw (A) dB, inlets and outlets ducted (dB)	82
Process air	
Rated airflow (m³/h)	2700
Fan power (kW)	2.2
Fan motor rating	IE3
Reactivation air	
Rated airflow (m³/h)	900
Fan power (kW)	0.75
Fan motor rating	IE3
Option plenum fan motor power (kW)	–
Total power (kW)	
Total max power – Electrical	33.4
Total max power – Steam/Gas	3.4
Voltage/Phases (V/PH)	
Electrical/Steam/Gas	380V 3–50/60 Hz, 400V 3–50 Hz, 415V 3–50 Hz, 440V 3–60 Hz
Max steam working pressure bar (g)	7
Gas consumption (m³/h)	2.95
Steam consumption 3 bar (kg/h)	50.62
Steam consumption 4 bar (kg/h)	51.23
Steam consumption 5 bar (kg/h)	51.77
Total power with ERP electrical (kW)	28.4
Steam consumption with ERP 3 bar (kg/h)	42.19
Steam consumption with ERP 4 bar (kg/h)	42.69
Steam consumption with ERP 5 bar (kg/h)	43.14
Miscellaneous data	
Operating temperature (°C)	–20 – +40
Minimum static pressure (Pa) process/reactivation	300
Lowest filter class available	Coarse 65% (G4)
IP class	IP 44

Airflow data is measured under standard dry air conditions (20 °C, 1013 hPa).

Dehumidification capacity & Energy efficiency

- ■ Capacity at 40%
- ■ Capacity at 60%
- ■ Capacity at 80%

- ■ Energy efficiency at 40%
- ■ Energy efficiency at 60%
- ■ Energy efficiency at 80%

Options

→ Electric, gas or steam heaters
→ Pre-react heaters – heat water or steam
→ Coarse 65% (G4), ePM10 50% (M5), ePM1 60% (F7)
→ Energy recovery purge
→ Energy efficiency purge
→ LDP application
→ Bypass
→ Dewpoint sensor & External controls
→ Communication via Modbus, BACnet or Lon
→ Insulated process air inlet
→ Insulated filter boxes (Process & Reactivation)
→ Duct connection kit
→ Mirror handed
→ Plenum fan
→ Stainless steel casing
→ AirC Connect

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