

- 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



## MX<sup>2</sup> 35 Desiccant dehumidifier

The MX<sup>2</sup> 35 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 MX<sup>2</sup> 35 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.

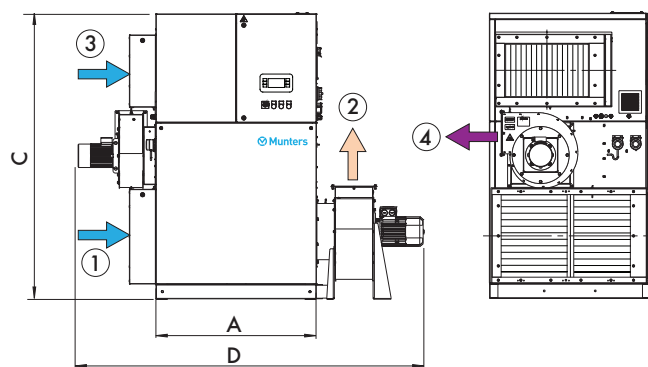
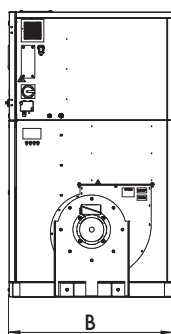
The electrical equipment conforms to EN 60204. The MX<sup>2</sup> series of dehumidifiers conform to both harmonised European standards and technical specifications for CE marking.



MX<sup>2</sup> 35

## Dimensions

|                |                     |
|----------------|---------------------|
| A/D: Width     | 1.068 / 2.297 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)           | 3.500 |
| 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   |

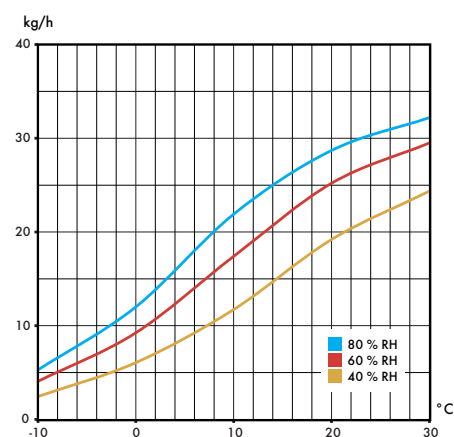
### Total power, voltage & current (amps/phase)

|                                      |         |
|--------------------------------------|---------|
| 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) | 520     |

### Miscellaneous data

|                                                                   |         |
|-------------------------------------------------------------------|---------|
| Operating temperature (°C)                                        | -20/+40 |
| Sound power level to room Lw(A) dB, all inlets and outlets ducted | 74      |
| 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



Find your nearest Munters office at [www.munters.com](http://www.munters.com)

Munters reserves the right to make alterations to specifications, quantities, etc., for production or other reasons, subsequent to publication. © Munters AB, 2020