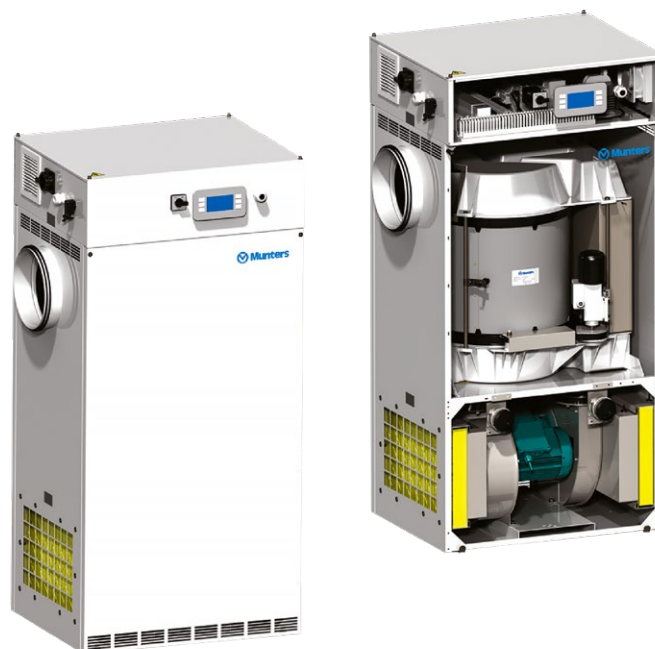**Munters**

Product sheet

# Munters ML690

Desiccant dehumidifier with AirC 800



## Features

→ Modern AirC 800 control system

→ Small footprint requires minimal floor area

→ High airflow capacity

→ Minimal energy consumption

→ Unique plastic rotor casing is 100% corrosion resistent

→ Dehumidifies efficient down to –20°C

→ Communication and external control options

→ Remote monitoring and control

The ML690 desiccant dehumidifier with AirC 800 control is designed to efficiently dehumidify in low moisture applications.

It is equipped with an internally sealed rotor unit. The rotor casing is constructed of durable thermoset plastic and contains isolated sections that provide a precise balance for dehumidification, reactivation, and heat recovery airflows. Its rugged formed metal frame and access panels are produced from corrosion resistant materials.

The modern control system is equipped with a number of alarm functions to ensure total control of the dehumidification process.

The ML690 dehumidifiers conforms to UL and CE marking specifications, RoHS and to the below standards:
– EU 60204-1:2018
– EU 61000-6:2019
– EN IEC 61000-6-3:2021
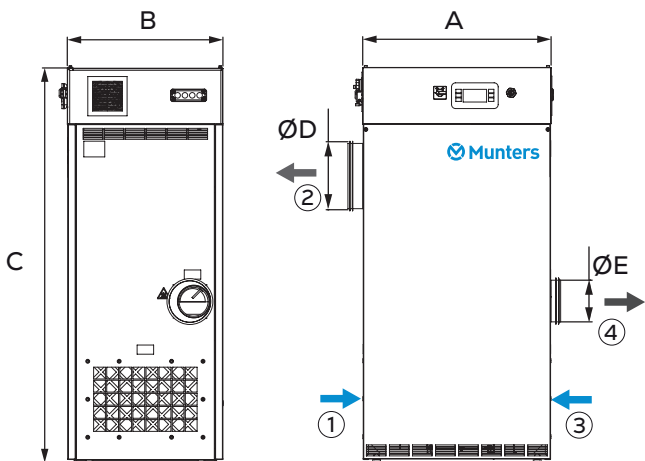– UL 60335-2-40
– CSA C22.2#60335-2-40

# Munters ML690

## Desiccant dehumidifier with AirC 800

### Dimensions, mm/kg [inch/lb]

| A: Width | 720 | [29] |
|---|---|---|
| B: Depth | 600 | [24] |
| C: Height | 1410 | [55.5] |
| D: Diameter | 200 | [7.9] |
| E: Diameter | 125 | [4.9] |
| Weight | 159 | [351] |

*Measurement diagram for reference only.*

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



### Technical specifications

| Process air | | |
|---|---|---|
| Rated airflow | 690 m³/h | 406 CFM |
| Available static pressure | 300 pa | 300 pa |
| **Reactivation air** | | |
| Rated airflow | 254 m³/h | 149 CFM |
| Available static pressure | 300 pa | 300 pa |
| **Miscellaneous data** | | |
| Operating temperature | -20/+40°C | -13/+104°F |
| Sound power level to room Lw(A) dB, all inlets and outlets ducted | 68 dBA | 68 dBA |
| Air filter standard | G4 | G4 |
| IEC protective class (unit) | IP33 | IP33 |
| IEC protective class (electrical) | IP54 | IP54 |

| Total power voltage & current (amps & phase) | | |
|---|---|---|
| Total power, electrical | 7.82 kW | 7.82 kW |
| 200V 3-50Hz | 25.5 A | 25.5 A |
| 200V 3-60Hz | 25.5 A | 25.5 A |
| 220V 3-50Hz | 22.0 A | 22.0 A |
| 220V 3-60Hz | 22.5 A | 22.5 A |
| 230V 3-50Hz | 21.6 A | 21.6 A |
| 230V 3-60Hz | 21.9 A | 21.9 A |
| 380V 3-50Hz | 12.7 A | 12.7 A |
| 380V 3-60Hz | 13.0 A | 13.0 A |
| 400V 3-50Hz | 12.4 A | 12.4 A |
| 415V 3-50Hz | 12.2 A | 12.2 A |
| 440V 3-60Hz | 11.3 A | 11.3 A |
| 460V 3-60Hz | 11.0 A | 11.0 A |
| 480V 3-60Hz | 10.8 A | 10.8 A |

### Options

→ Communication via Modbus, BACnet

→ Dewpoint sensor

→ External controls

→ External filter box M5 or F7

→ Insulated process air inlet

→ Mirror handed

→ Stainless steel casing

→ AirC Wireless

→ AirC Connect

### Dehumidification capacity



Dehumidification capacity vs Process air temperature. Legend: 80% RH, 60% RH, 40% RH.
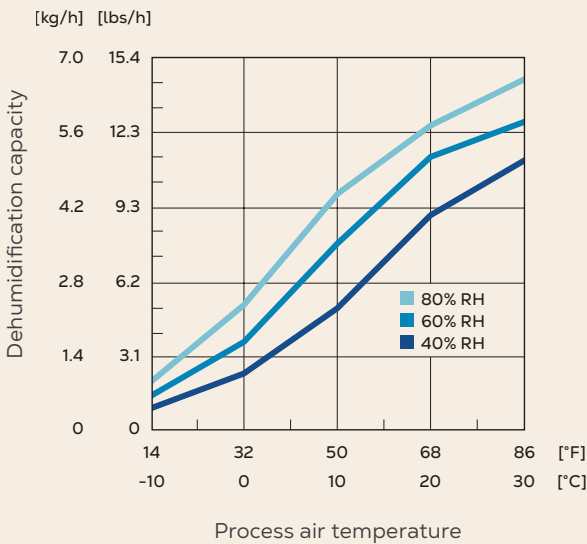
Find your nearest Munters office at **www.munters.com**