

## Product sheet

# Munters ML690

## Desiccant dehumidifier with AirC 400



### Features

- Minimal energy consumption with modulating heating
- Multiple communication and external control options
- Multiple sensor support
- Maintenance schedules
- Alarm handling
- Dehumidifies efficiently down to -20°C
- Small footprint requires minimal floor area
- Remote monitoring and control

## Taking dehumidifiers into the future

For over half a century, Munters has been the leading pioneer within humidity control, and we're just getting started.

The ML690 desiccant dehumidifier with Munters AirC 400 is designed to efficiently dehumidify in low moisture applications, and is equipped with a rotor casing in durable thermoset plastic which provides a precise balance for dehumidification and internal heat recovery in the airflows. Solid State heater control modulates the power for most energy efficient operation.

Munters AirC 400 is a future-proof control system designed by Munters and provides flexibility and functionality like no other. It ensures your dehumidifier operates at its most energy efficient, and features advanced sensing, multiple communication support and alarm handling.



This technology represents 60 years of innovation and application knowledge for perfect control of the dehumidification process.

The ML Series dehumidifiers conforms to CE marking specifications, RoHS and to the below EU standards:

- EU 60204-1:2018
- EU 61000-6:2019
- EN IEC 61000-6-3:2021

# Munters ML690

## Desiccant dehumidifier with AirC 400

### Dimensions

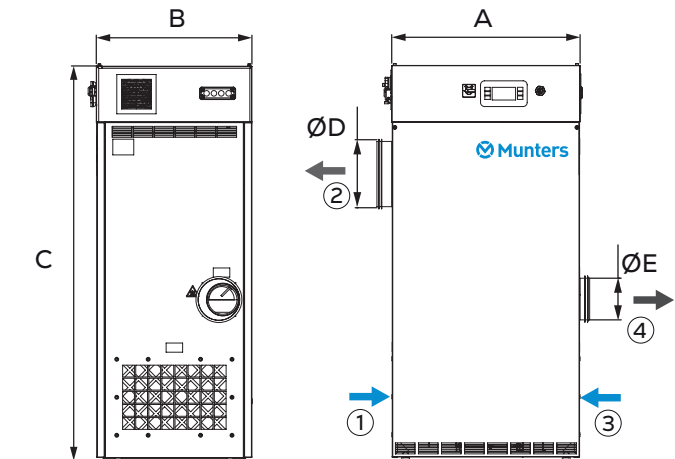
A: Width	720 mm
B: Depth	600 mm
C: Height	1410 mm
D: Diameter	200 mm
E: Diameter	125 mm
Weight	159 kg

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

Measurement diagram for reference only.

### Technical specifications

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

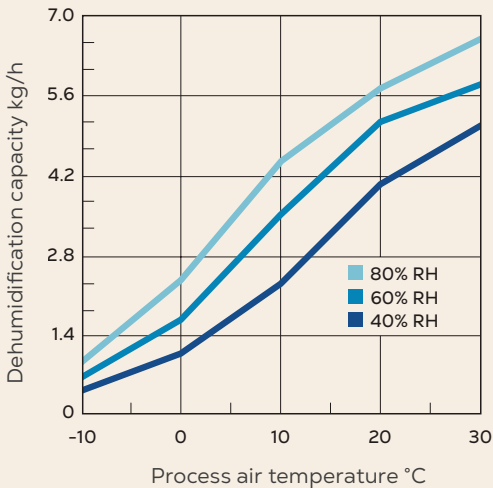


Total power voltage & current (amps & phase)		
Total power, electrical	(kW)	7.82
200V 3-50Hz	(A)	25.5
200V 3-60Hz	(A)	25.5
220V 3-50Hz	(A)	22.0
220V 3-60Hz	(A)	22.5
230V 3-50Hz	(A)	21.6
230V 3-60Hz	(A)	21.9
380V 3-50Hz	(A)	12.7
380V 3-60Hz	(A)	13.0
400V 3-50Hz	(A)	12.4
415V 3-50Hz	(A)	12.2
440V 3-60Hz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

### Options

- Communication via Modbus
- Multiple sensors
- Blocked filter alarm
- External controls
- External filter box M5 or F7
- Insulated process air inlet
- Mirror handed
- Stainless steel casing
- Condenser
- AirC Wireless
- AirC Connect

### Dehumidification capacity



# Munters ML690-L

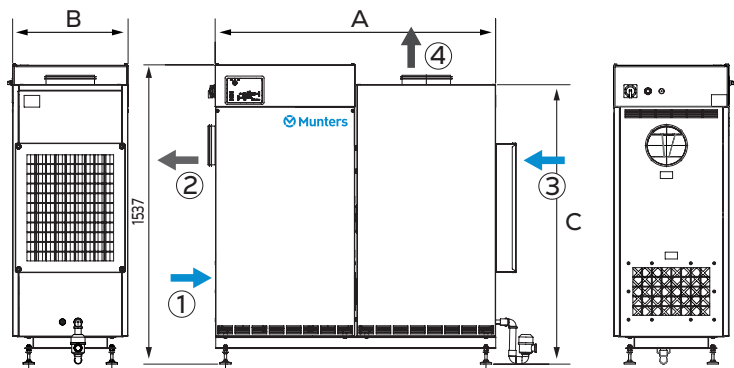
## Desiccant dehumidifier with air cooled condenser

### Dimensions

A: Width	1141 mm
B: Depth	593 mm
C: Height	1537 mm
Weight	266 kg

Measurement diagram for reference only.

- 1. Process air
- 2. Dry air
- 3. Reactivation air
- 4. Condenser air



### Technical specifications

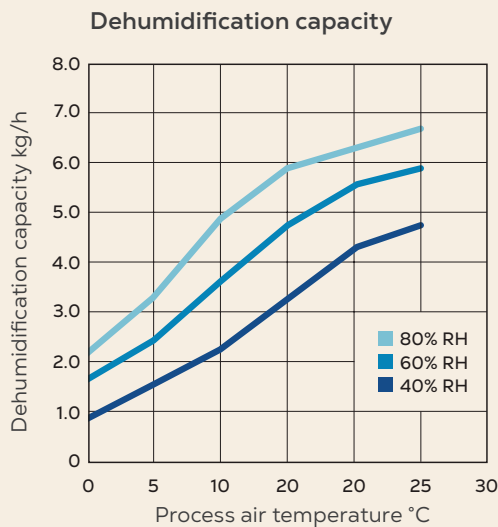
Process air		
Rated airflow	(m³/h)	690
Available static pressure	(pa)	300
Reactivation air		
Rated airflow	(m³/h)	254
Condenser air		
Rated airflow	(m³/h)	1000
Available static pressure	(pa)	150
Fan motor power	(kW)	0.5
Heater power	(kW)	0.38

Total power voltage & current (amps & phase)		
Total power	(kW)	8.8
220V 3-50Hz	(A)	27.0
230V 3-50Hz	(A)	26.1
380V 3-50Hz	(A)	17.5
400V 3-50Hz	(A)	16.9
415V 3-50Hz	(A)	16.7
Miscellaneous data		
Operating temperature	(°C)	+0/+25
Sound power level Lw Process air inlet connected, cooling air inlet not connected	(A)	75
Air filter standard	-	G4
IEC protective class	-	IP44

### Options

- Hours run counter
- Blocked filter alarm
- Rotor stopped alarm
- Humidity control system with alarm and display
- AirC Wireless
- AirC Connect

Refer to the RH98 product data sheet



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