Product sheet

Munters ML420

Desiccant dehumidifier with AirC 400

Features

- Minimal energy consumption with modulating heating
- Multiple communication and external control options
- Multiple sensor support
- Maintainance 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 ML420 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 sensoring, 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

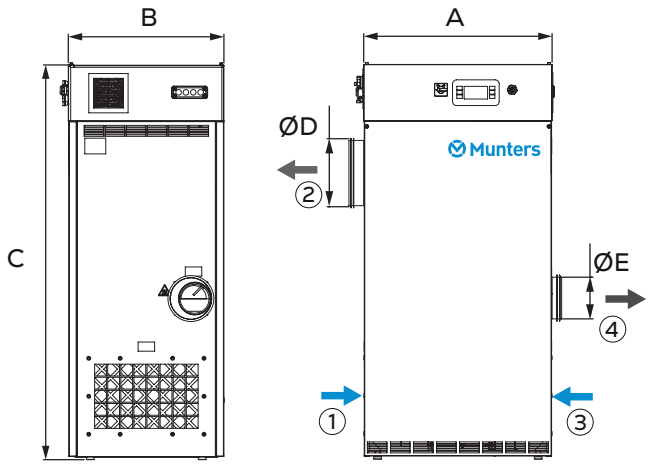
Munters ML420

Desiccant dehumidifier with AirC 400

Dimensions

A: Width	720 mm
B: Depth	600 mm
C: Height	1310 mm
D: Diameter	160 mm
E: Diameter	100 mm
Weight	141 kg

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



Measurement diagram for reference only.

Technical specifications

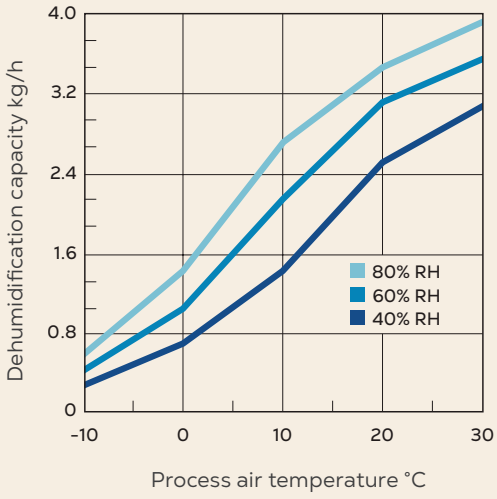
Process air		
Rated airflow	(m^3/h)	420
Available static pressure	(pa)	200
Reactivation air		
Rated airflow	(m^3/h)	155
Available static pressure	(pa)	200
Miscellaneous data		
Operating temperature	(°C)	-20/+40
Sound power level to room Lw(A) dB, all inlets and outlets ducted	-	66
Air filter standard	-	G4
IEC protective class (unit)	-	IP33
IEC protective class (electrical)	-	IP54

Total power voltage & current (amps & phase)		
Total power, electrical	(kW)	4.57
200V 3-50Hz	(A)	14.9
200V 3-60Hz	(A)	14.9
220V 3-50Hz	(A)	12.6
220V 3-60Hz	(A)	12.6
230V 3-50Hz	(A)	12.1
230V 3-60Hz	(A)	12.1
380V 3-50Hz	(A)	7.3
380V 3-60Hz	(A)	7.3
400V 3-50Hz	(A)	7.0
415V 3-50Hz	(A)	6.7
440V 3-60Hz	(A)	6.4
460V 3-60Hz	(A)	6.1
480V 3-60Hz	(A)	5.9

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 ML420-L

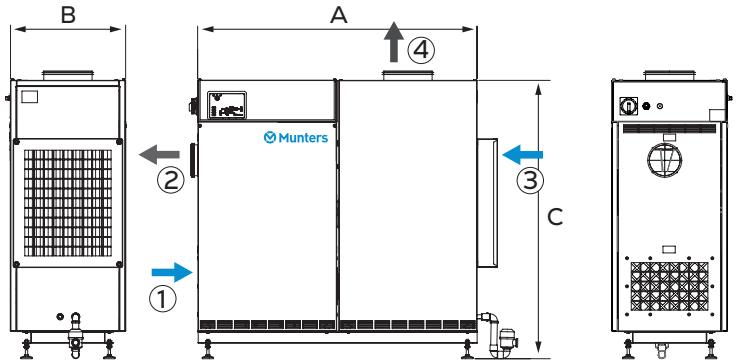
Desiccant dehumidifier with air cooled condenser

Dimensions

A: Width	1141 mm
B: Depth	593 mm
C: Height	1435 mm
Weight	248 kg

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

Measurement diagram for reference only.



Technical specifications

Process air		
Rated airflow	(m^3/h)	420
Available static pressure	(pa)	200
Reactivation air		
Rated airflow	(m^3/h)	155
Condenser air		
Rated airflow	(m^3/h)	1000
Available static pressure	(pa)	150
Fan motor power	(kW)	0.5
Heater power	(kW)	0.38

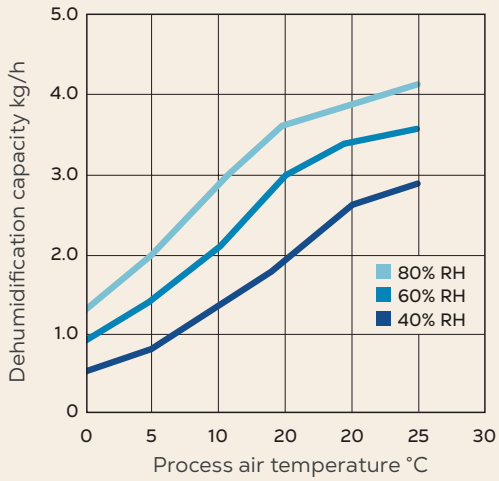
Total power voltage & current (amps & phase)		
Total power	(kW)	6.2
220V 3-50Hz	(A)	17.7
230V 3-50Hz	(A)	17.3
380V 3-50Hz	(A)	12.1
400V 3-50Hz	(A)	11.9
415V 3-50Hz	(A)	11.7
Miscellaneous data		
Operating temperature	(°C)	+0/+25
Sound power level Lw Process air inlet connected, cooling air inlet not connected	(A)	74
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

Dehumidification capacity



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ML420 AirC 400-PS-EN-202504