Munters

Product sheet

Munters MLT1400-L

Desiccant dehumidifier with air cooled condenser

Features

→ Easy to install – no wet air duct needed

→ Minimal energy consumption – heat recovery

→ Unique plastic rotor casing 100% corrosion resistance

→ High airflow capacity

→ Remote monitoring and control

The MLT1400-L desiccant dehumidifier with air cooled condenser is designed to efficiently dehumidify in unheated closed space using minimal energy.

The wet air from the dehumidifier is passed through the air cooled condenser and then returned to the rotor in a closed loop circuit.

The components within the closed loop are constructed of stainless steel and thermoset plastic. Water removed by the condenser is drained away. The heat from the air cooled condenser is then either used in the application or ducted away. Its rugged formed metal frame and access panels are produced from corrosion resistant materials.

The electrical system conforms to established ML-L Series standards as well as to both harmonised European Standards and to CE marking specifications.

A characteristic of the ML-L Series rotor technology is an extra rotor sector which provides high capacity, while simultaneously recovering heat, thereby effectively reducing the electrical power requirement. The reactivation air is continually re-circulated.
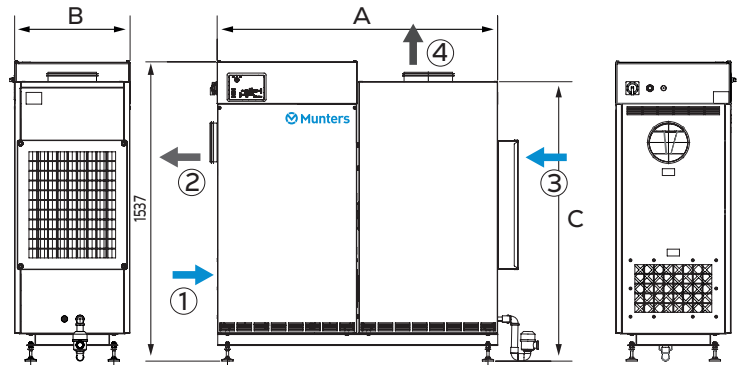
Munters MLT1400-L

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)	1400
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)	9.35
220V 3-50Hz	(A)	29.1
230V 3-50Hz	(A)	28.1
380V 3-50Hz	(A)	18.6
400V 3-50Hz	(A)	18.1
415V 3-50Hz	(A)	17.8
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

Dehumidification capacity

- 80% RH
- 60% RH
- 40% RH

Dehumidification capacity kg/h

Process air temperature °C.
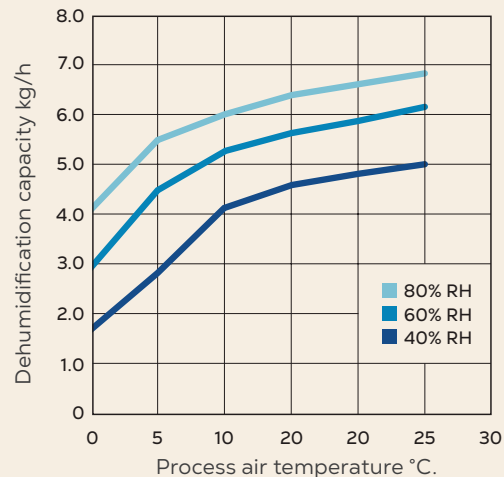
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