

MLT Series Desiccant Dehumidifier



Product Description

MLT30 is a newly developed desiccant dehumidifier that comes as standard with a number of functions that are usually considered options. As with all other ML units, MLT30 effectively dehumidifies to a low moisture level.

Thanks to its unique design, the entire air treatment process of the ML series of dehumidifiers occurs in a closed rotor unit with tightly sealing rotor housings made of heat-resistant thermoset plastic.

A high level of regulation accuracy, over 10 alarm indicators, an operating time counter and the option of remote control come as standard in the integrated PLC unit with display.

Another new feature is the integrated service indicator, which signals when it is time for maintenance servicing.

The shell is made of Aluzinc and the outer panels are in painted Aluzinc. MLT30 can be delivered with 3 different reactivation alternatives – electricity, steam or gas.

The electrical equipment conforms to EN 60204 (IEC204) standards. The electrical system is designed for voltages up to 480 V and an ambient temperature of up to 60 °C.

The ML series of dehumidifiers conform to both harmonised European standards and technical specifications for CE marking.

Munters Rotor Technology

Munters desiccant rotors consist of corrugated composite material with highly effective moisture-absorbing substances. Thanks to special rotor technology, the dehumidifier effectively uses supplied energy to the maximum. A distinguishing quality of the ML series' rotor technology is an extra rotor sector that generates higher capacity in combination with heat recovery, which makes the installed power low.

PRODUCT INFORMATION

MLT30

Features

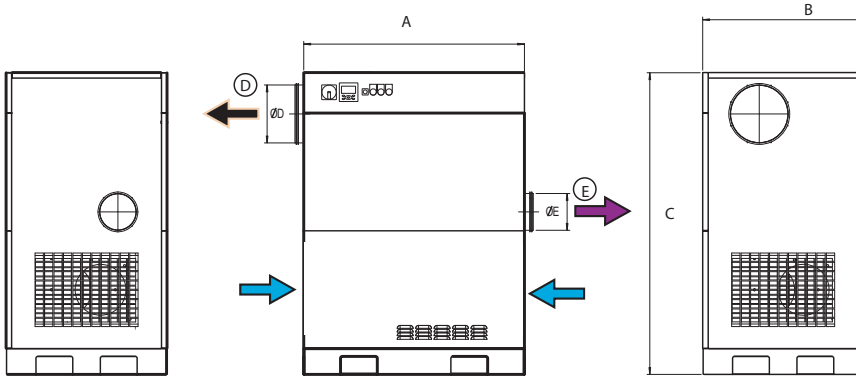
- Energy efficient with integrated heat recovery.
- Advanced control panel with diagnostic fault indication.
- Effectively dehumidifies in air temperatures ranging from -20°C to +40°C.
- Unique plastic rotor housings that are tightly sealing and heat resistant.
- Easy to install.
- Stainless steel casing available as an option.



Model MLT30

Diagram measurements are for reference only.

Scaled and dimensioned drawings are available in Munters DryCap program.



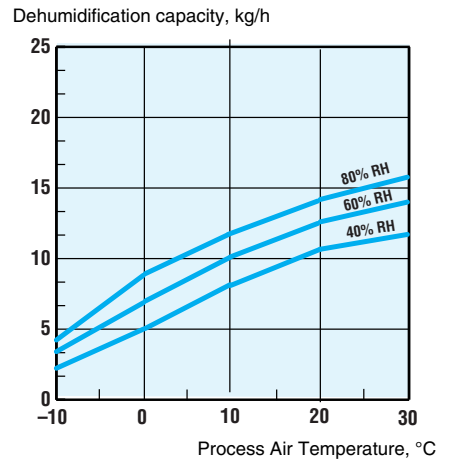
Width (A)	Depth (B)	Height (C)	Diam. (D)	Diam. (E)	Weight
1200 mm	870 mm	1640 mm	315 mm	200 mm	270 kg

Technical Specification

Process Air		460V 3-60 Hz (A) Steam/Gas	9,9
Rated airflow (m ³ /h)	3000	480V 3-60 Hz (A) Electrical	30,6
Available static pressure (Pa)	300	480V 3-60 Hz (A) Steam/Gas	9,9
		Steam consumption (g/s) at 4bar (g)	9
		Max steam working pressure (bar) (g)	5
Reactivation air		Gas consumption (m ³ /h)	1,8
Rated airflow (m ³ /h)	630	Natural gas pressure (mbar)	20-30
Available static pressure (Pa)	300	Max sulphur content (ppm) HPS Rotor	30
		Miscellaneous Data	
		Operating temperature (°C)	-20/+40
		Sound power level to room Lw(A) dB, all inlets and outlets ducted	76
Total power, voltage and current (amps/phase)		Air filter standard	G3
Total power (kW) Electrical	22,0 (50Hz) 22,6 (60Hz)	IEC protective class (unit)	IP33
Total power (kW) Steam/Gas	4,0 (50Hz) 4,6 (60Hz)	IEC protective class (electrical panel)	IP44
230V 3-50 Hz (A) Electrical	60,1		
230V 3-50 Hz (A) Steam/Gas	15,8		
380V 3-50 Hz (A) Electrical	36,4		
380V 3-50 Hz (A) Steam/Gas	10,0		
400V 3-50 Hz (A) Electrical	35,1		
400V 3-50 Hz (A) Steam/Gas	10,0		
415V 3-50 Hz (A) Electrical	34,0		
415V 3-50 Hz (A) Steam/Gas	10,0		
440V 3-60 Hz (A) Electrical	32,6		
440V 3-60 Hz (A) Steam/Gas	9,9		
460V 3-60 Hz (A) Electrical	31,6		

Dehumidification Capacity

Approximate capacity in kg/h at different inlet process air relative humidity, % RH.



Accessories

External filterbox F7 (870x780x870 mm)
 170 1437-01 SS
 170 1437-11 Aluzink (see separate datasheet)

External filterbox G3 (686x576x101 mm)
 170 1446-01 SS
 170 1446-11 Aluzink (to be ordered if process filter is required for insulated process inlet)

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