

XRC LT series

Munters low temperature commercial and industrial dehumidifiers



EQUIPMENT

XRC LT series

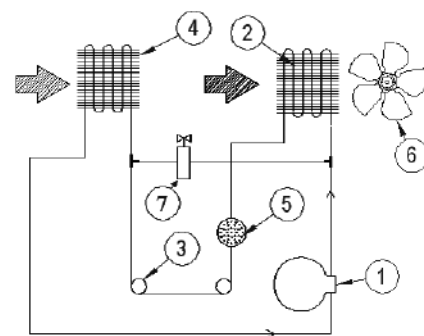
- Highly efficient dehumidification coil
- Low temperature operation capability
- 3 sizes available for wide range of applications
- Rigid stainless steel casing for professional use
- Low noise ventilation fan
- Hygostat automatically stops the machine when not needed (accessory)
- By-pass valve for defrosting of unit
- Environmental and ozone friendly refrigerant R407C
- Handles and wheels for easy movement
- Non stop water discharge option

Dehumidification can be necessary for stabilizing a number of processes, preventing corrosion and mould growth or to accomplish a comfortable environment for people to stay in. Munters XRC LT range of refrigerant dehumidifiers is a unique range suitable for cold environments. Refrigerant dehumidifiers capability to absorb moist in low temperatures is normally lower but Munters XRC LT's is suitable both for industrial and commercial purposes at such conditions. A wheeled unit in stainless steel casing and robust design makes a perfect match for professional purposes like storages of paper, drying concrete and basements and restoration after flooding.

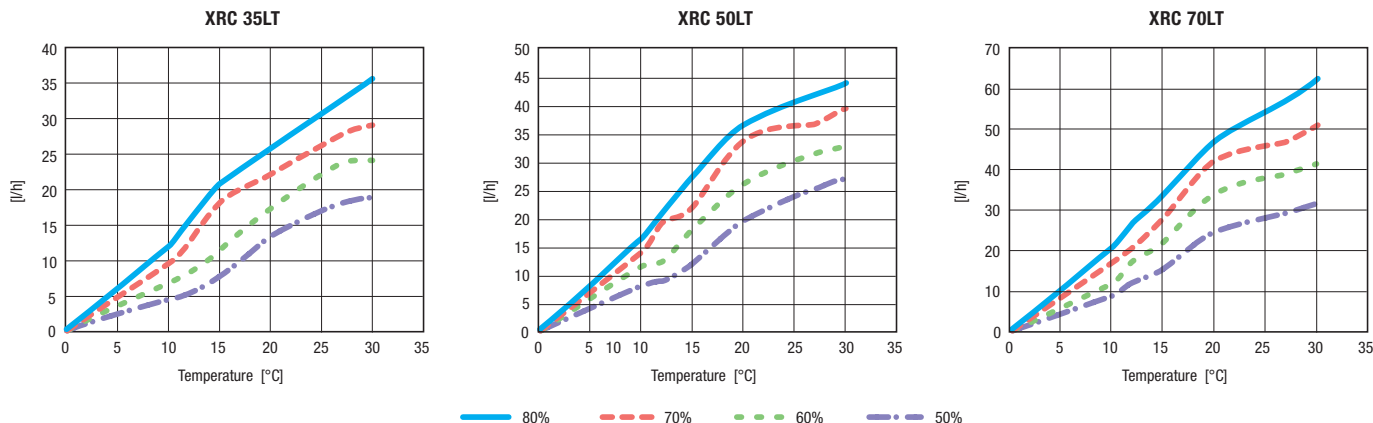
An alternative to dehumidification is increased ventilation, but it is not possible to ventilate all premises effectively. It also creates higher energy consumption for heating.

Three units ranging from 30 to 75 liters of water per day extracted out of the air are available. The integrated controller can be equipped with a hygostat (optional) which automatically turns the units on when dehumidification is needed. The controller can also monitor the defrosting when needed for uninterrupted safe usage.

Dehumidifier principle.



- | | |
|----------------------------|----------------------|
| 1. Compressor | 2. Condenser (warm) |
| 3. Capillar orifice | 4. Evaporator (cold) |
| 5. Filter | 6. Ventilator |
| 7. By-pass (Defrost) valve | |



How it works

Ambient air is pushed through an air filter by the fan, and then it passes through a cooling coil (evaporator). The air temperature quickly decreases and the warm humid air condenses on the cool coil into droplets. The by-pass valve directs on the evaporator hot gas coming directly from the compressor, thus generating

a rapid de-frost action, in this case possible also at low temperatures. Water is either collected in a tank with an overflow protection or transported through a water drainage hose for continuous drainage. The outgoing cold dry air passes through a second step, a heating coil, before reintroduced in the room.

The heat coil (condenser) increases the air to reach a temperature slightly higher than the environment.

The refrigerant used in the Munters XRC LT series is R407C to protect the environment and ozone.

Technical specifications

Model		XRC 30LT	XRC 50LT	XRC 75LT
Voltage	[V]	230VAC 1 phase		
	[Hz]	50	50	50
Electrical power	[W]	650	930	1,400
Consumption	[A]	5,5	7,2	13
Water tank volume	[l]	10	10	10
Maximum airflow	[m ³ /h]	400	550	650
Moisture removal @30 °C/80% RH	[l/24h]	35.5	43.8	70.2
Optimal working range temperature	[°C]	+5 to +33		
Working range	[%RH]	40 to 100		
Refrigerant		R 407 C		
Dimensions H×W×D	[mm] [inch]	815×545×526 [32.1×21.5×20.7]	890×623×600 [35.1×24.5×23.6]	980×710×650 [38.6×28.0×25.6]
Weight	[kg] [lb]	36 [79.2]	45 [99]	58 [127.6]

XRC LT are products of Munters Europe AB.

Order information

XRC-XX-LT-X e.g., XRC-50-LT-E

Code for specifying size
30, 50 or 75

Code for regional versions

E = European socket

U = UK socket

Accessories: Hygrostat pump for water removal.



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