

EQUIPMENT

XRC LT series

XRC LT series

Munters low temperature commercial and industrial dehumidifiers



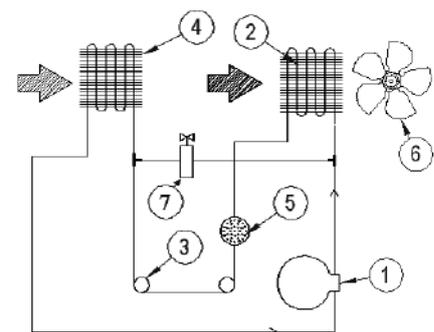
- Highly efficient dehumidification coil
- Low temperature operation capability
- 3 sizes available for wide range of applications
- Rigid stainless steel casing for professional use
- Low noise ventilation fan
- Hygostat automatically stops the machine when not needed (accessory)
- By-pass valve for 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.

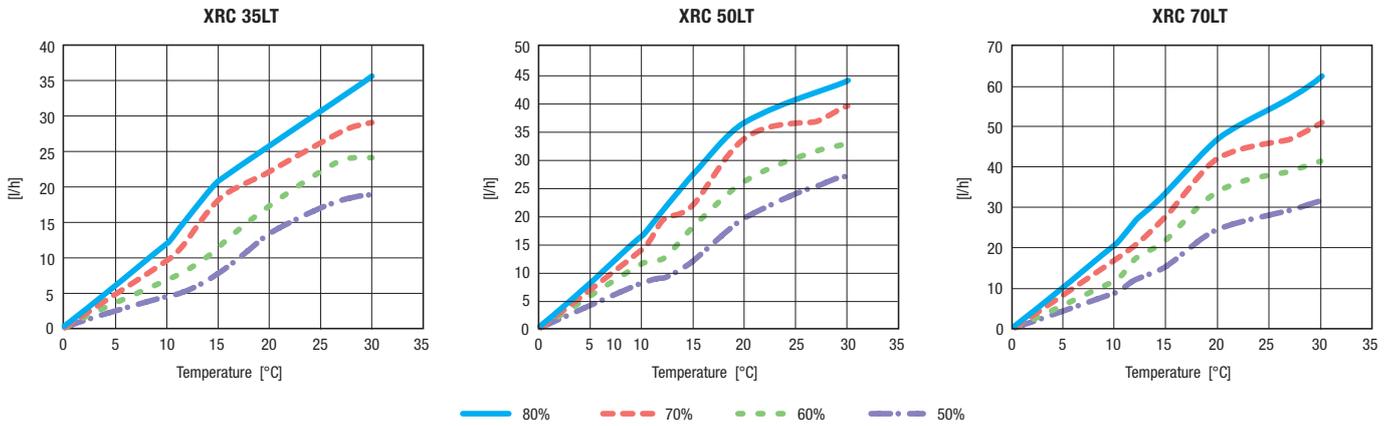
An alternative to dehumidification is increased ventilation, but it is not possible to ventilate all premises effectively. It also creates higher energy consumption for heating.

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 HxWxD	[mm] [inch]	815x545x526 [32.1x21.5x20.7]	890x623x600 [35.1x24.5x23.6]	980x710x650 [38.6x28.0x25.6]
Weight	[kg] [lb]	36 [79.2]	45 [99]	58 [127.6]

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.

XRC LT are products of Munters Europe AB.



Munters, HumiCool Division, Isafjordsgatan 1, P.O. Box 1150, SE-164 26 Kista, Sweden. Phone +46 8 626 63 00, Fax +46 8 754 56 66.

Munters Italy S.p.A., Corso Inghilterra 15, 12084 Mondovi, Italy. Phone +39 0174 560 600, Fax +39 0174 560 617.

www.munters.com

Australia Munters Pty Limited, Phone +61 2 6025 6422, **Brazil** Munters Brasil Industria e Comercio Ltda, Phone +55 41 3317 5050, **Canada** Munters Incorporated, Phone +1 905 858 5894, **China** Munters Air Treatment Equipment (Beijing) Co. Ltd., Phone +86 10 80 481 121, **Denmark** Munters A/S, Phone +45 9862 3311, **Finland** Munters Oy, Phone +358 9 83 86 030, **France** Munters France S.A., Phone +33 1 34 11 57 50, **Germany** Munters Euroform GmbH, Phone +49 241 89 00 0, **India** Munters India, Phone +91 20 3052 2520, **Indonesia** Munters, Phone +62 818 739 235, **Italy** Munters Italy S.p.A., **Chiusavecchia** Phone +39 0183-52 11, Munters Italy S.p.A., **Mondovi** Phone +39 0174 560 600, **Japan** Munters K.K., Phone +81 3 5970 0021, **Kingdom of Saudi Arabia and Middle East** Hawa Munters, Phone +966 1 241 8808, **Korea** Munters Korea Co. Ltd., Phone +82 2 761 8701, **Mexico** Munters Mexico, Phone +52 818 262 54 00, **Russia** Munters Europe AB, Phone +7 812 448 5740, **Singapore** Munters Pte Ltd., Phone +65 744 6828, **South Africa and Sub-Sahara Countries** Munters (Pty) Ltd., Phone +27 11 997 2000, **Spain** Munters Spain S.A., Phone +34 91 640 09 02, **Sweden** Munters Europe AB, Phone +46 8 626 63 00, **Thailand** Munters Co. Ltd., Phone +66 2 645 2708 12, **United Kingdom** Munters Ltd., Phone +44 845 644 3980, **Turkey** Munters Form Endüstri Sistemleri A.Ş., Phone +90 322 231 13 38, **USA** Munters Corporation **Fort Myers** Phone +1 239 936 1555, Munters Corporation **Mason** Phone +1 888 335 0100, **Vietnam** Munters Vietnam, Phone +84 8 825 6838, **Export & Other countries** Munters Europe AB, Phone +46 8 626 63 00.

Your closest distributor