

XRC series

Munters commercial and industrial dehumidifiers



EQUIPMENT

XRC series

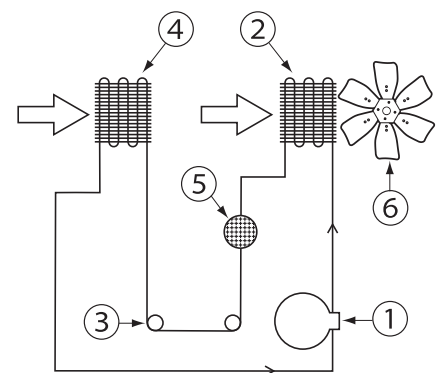
- Highly efficient dehumidification coil
- 4 sizes available for a wide range of applications
- Rigid stainless steel casing for professional use
- Low noise ventilation fan
- Hygrostat automatically stops the machine when not needed (accessory)
- Electronic defrost system
- Environmental and ozone friendly 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 range of refrigerant dehumidifiers are suitable both for industrial and commercial purposes. A wheeled unit in stainless steel casing and robust design makes a perfect match for professional purposes. Common applications are moisture removal during concrete drying processes and storages of paper, dry food and chemicals. They are often used in laundries, photo shops, bakeries etc.

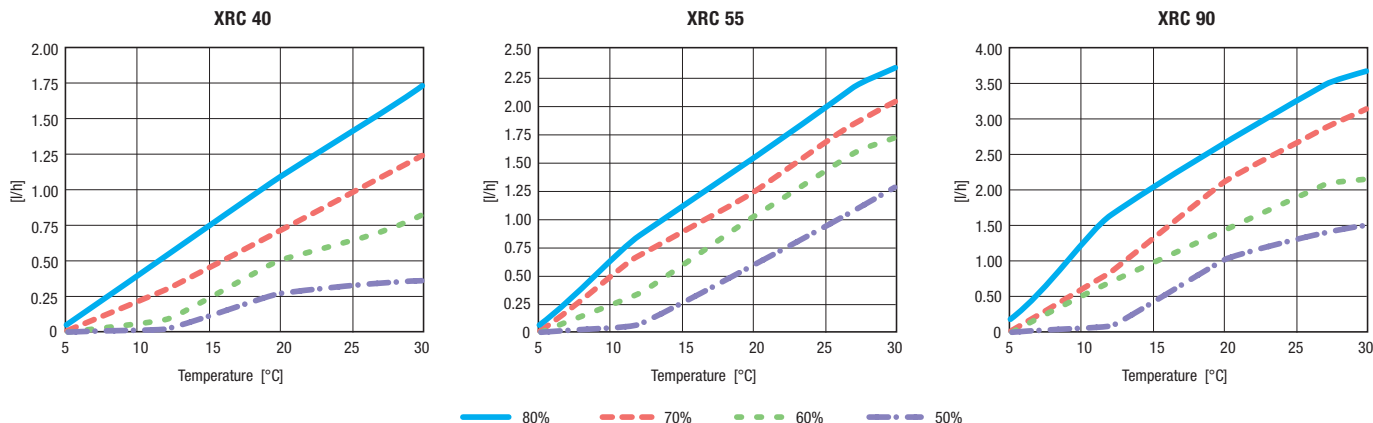
An alternative to dehumidification is increased ventilation, but it is not suitable in processes like handling of flour, salt, sugar or other powders. It also creates higher energy consumption for heating.

Four units ranging from 23 to 88 liters of water per day extracted out of the air are available. The integrated controller can be equipped with a hygrostat (optional) which automatically turns the units on when dehumidification is needed. The controller can also monitor the defrosting when needed for uninterrupted safe usage. An easily washed air filter reduces the dust and creates a better environment for allergic and sensitive people.

Dehumidifier principle.



- | | |
|----------------------|----------------------|
| 1. Compressor | 2. Condenser (warm) |
| 3. Capillary orifice | 4. Evaporator (cold) |
| 5. Filter | 6. Ventilator |



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. Water is either collected in

a tank with an over-flow 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 (con-

denser) increases the air to reach a temperature slightly higher than the environment.

The refrigerant R407C is chosen for Munters XRC series to protect the environment and ozone layer.

Technical specifications

Model		XRC 25	XRC 40	XRC 55	XRC 90
Voltage	[V]	230VAC 1 phase		230VAC 1ph & 110VAC 1ph	
	[Hz]	50	50	50	50
Electrical power	[W]	650	800	831	1205
Consumption	[A]	3	4	7	9
Water tank volume	[l]	10	10	10	10
Maximum airflow	[m³/h]	350	500	600	800
Moisture removal @30 °C/80% RH	[l/24h]	23	42	53	88
Optimal working range temperature	[°C]	+12 °C to +30 °C (permitted +5 °C to +30 °C)			
Working range	[%RH]	40 to 100			
Refrigerant		R 407 C			
Dimensions H×W×D	[mm] [inch]	635×455×370 [25×17.9×14.6]	860×540×460 [33.8×21.3×18.1]	970×650×670 [38.2×25.6×26.4]	985×700×700 [38.8×27.6×27.6]
Weight	[kg] [lb]	34 [74.8]	51 [112.2]	57 [125.4]	63 [138.6]

XRC are products of Munters Europe AB.

Order information

XRC-XX-X e.g., XRC-40-E

Code for specifying size
25, 40, 55 or 90

Code for regional versions

E = European socket

U = UK socket

Accessories: Hygrostat pump for water removal.



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