MK Series
Mobile Cooling dehumidifiers

PRODUCT INFORMATION

MK90

Features

- Robust construction
- Ergonomic design
- High mobility due to big wheels and adjustable handle
- High dehumidification capacity even at low temperatures
- Environmentally friendly refrigerant R407C
- Automatic defrostcycle using hotgas bypass
- Maintenance and service friendly design

Robust, effective cooling dehumidifiers

High efficiency with a low demand for energy is the core fact for the new generation of Munters MK dehumidifiers. They work on the cooling principle. Nevertheless a tremendous increase of water removal capacity at lower temperatures (10°C, 70% RH) was achieved.

Their most suitable area of use is within the water and fire damage restoration business as well as the construction industry. Of course they also protect pipes and fittings from corrosion and condensate in waterworks. They can also be used reducing relative humidity in storage rooms, cellars, archives and other limited storage spaces. The dehumidifiers are equipped with adjustable handles to increase flexibility. For higher mobility as well as protection of inventory bumpers and wheels are covered with rubber. Accessories like drainage pump, hygrostat and wall brackets put the finishing touch to the Munters MK dehumidifiers.

The dehumidification as such takes place in the cooling coil (evaporator) of the dehumidifier following the principle of a water trap. An axial fan pulls ambient air through a coil cooling the air below dew point. Water condensates and is collected in a water tank or a drainage hose. The cooled and dehumidified air is pulled further through a heating coil (condenser) and regains its heat. The additional heat of the compressor results in a slight increase of temperature. By recirculating the air the dehumidification happens fast, effective and careful.

Munters

The Humidity Expert

Model MK90

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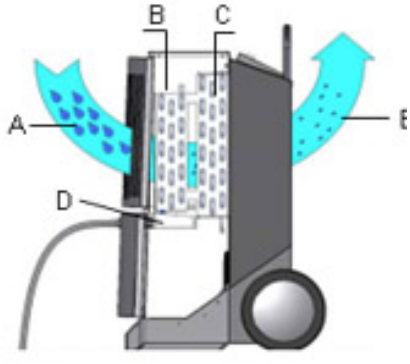
Technical Specification

MK

Drying capacity:	.
Moisture removal; 30°C, 80% (kg/24h)	94,0
Moisture removal; 20°C, 60% (kg/24h)	41,0
Moisture removal; 10°C, 70% (kg/24h)	32,4
Operational ranges:	.
Relative humidity (%)	40-100
Temperature (°C)	3-33
Rated voltage (V/Hz)	230/50
Rated current (A)	7,2
Rated power (W)	1650
Energy consumption 30°C, 80% (kWh/kg)	0,42
Air delivery (m3/h)	1000
Refrigerant type	R407C
Refrigerant mass (g)	1600
Water tank capacity (l)	-
Dimensions (incl. handle):	.
Width (mm)	648
Depth (mm)	611
Height (mm)	977
Weight (kg)	62
Noise level max (dB, A)	62
Protection class (IP)	X4
Cable Length (m)	3,5

Schematic picture

A: Ambient air
B: Evaporator
C: Condenser
D: Drip tray
E: Dehumidified air



Performance

-Mobile
-Flexible
-Automatic defrost (hotgas bypass)
-Electronic control
-Display
-Hour meter
-Socket for external hygrostat
-Water tank
-3.5 m cable length

Options
-External Hygrostat

Subject to change without notice