Munters

Product sheet

Munters
MK55 NX

Mobile refrigerant dehumidifier

Features

→ Optimized dehumidification
→ Environmentally-friendly refrigerant R454C
→ Robust construction
→ 2-speed fan and night mode
→ Full graphical display
→ Integrated RH/T sensor
→ Automatic defrost system using hot gas bypass
→ Easy-to-service design
→ Hour counter

The new MK NX dehumidifiers are designed for durability and greater energy efficiency. Proven design elements from previous MK series have been adopted or enhanced to make cleaning and maintenance easier as well as simplify the replacement of damaged components.

Featuring a fully graphical display, these dehumidifiers eliminate language barriers and ensure easy operation. Moreover, the integrated RH/T sensor (hygrostat function) helps to ensure efficient dehumidification. The MK NX series has also been upgraded with a 2-speed fan, night mode, and a MID-certified kWh meter. Finally, the invaluable versatility of these dehumidifiers is ensured by accessories like the condensate pump, external humidistat, and wall bracket, as well as the condensate drain contained as standard in the condensate tank (if present).

The new MK NX series uses the refrigerant R454C. This refrigerant is known for its low global warming potential (GWP), which means that Munters dehumidifiers make a significant contribution to protecting the environment.

MK NX series dehumidifiers are particularly well-suited for corrosion and condensation prevention in waterworks systems,
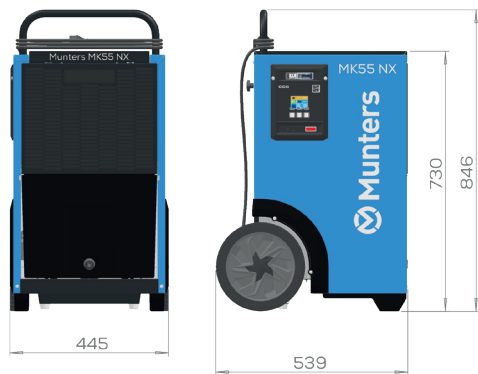
for humidity abatement in storage rooms, cellars, archives, etc., and as portable restoration equipment for water and fire damage. These dehumidifiers are equipped with a height-adjustable handle for easier operation. The large rubber wheels and floor-friendly feet on these dehumidifiers make them highly portable while also preventing damage to fixtures and furniture.

They dehumidify the ambient air by cooling it according to the "water trap" principle. An axial fan draws in the ambient air via a cooling coil (evaporator). This cooling coil brings the air temperature below the dew point, causing water to condense out. This water then collects in the water tank or drains out directly via a condensate hose. The cooled air is then heated again by a heating coil (condenser). The overall waste heat from the compressor causes the temperature to increase slightly. Via recirculation, the air is dehumidified quickly, effectively, and carefully.
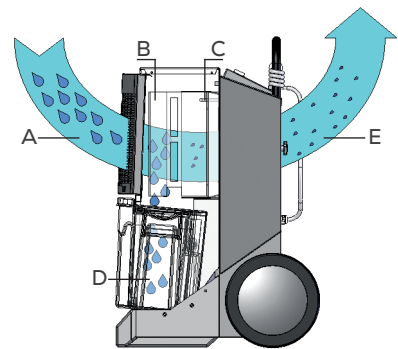
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Dimensions

445
539
730
846

Schematic picture

A: Ambient air
B: Evaporator
C: Condenser
D: Water tank
E: Dehumidified air

Technical specifications

Dehumidification capacity		
Moisture removal (30 °C, 80 % rF)	(kg/24h)	53
Spec. energy consumption 30 °C, 80 %	(kWh/kg)	0,38
Moisture removal (20 °C, 60 % rF)	(kg/24h)	22,5
Spec. energy consumption 20 °C, 60 %	(kWh/kg)	0,60
Moisture removal (10 °C, 70 % rF)	(kg/24h)	9
Spec. energy consumption 10 °C, 70 %	(kWh/kg)	1,19

Operating range, power data		
Relative humidity	(%)	30 – 90
Temperature	(°C)	3 – 35
Rated voltage	(V/Hz)	230/50
Rated current	(A)	3,61
Rated power	(W)	830
Volume flow	(m³/h)	290/550

Others		
Refrigerant type		R454C
Refrigerant mass	(kg)	0,55
Condensate tank	(l)	13
Condensate outlet	(mm)	15
Weight	(kg)	41,8
Noise level max.	(dB, A)	53
Protection class	(IP)	21
Cable Length	(m)	5

Features

→ Robust
→ Stackable
→ Mobile (large wheels, telescopic handle)
→ 2-speed fan and night mode
→ Automatic defroster (hot gas bypass)
→ Full graphical display
→ Integrated humidity and temperature sensor
→ MID-certified kWh meter
→ Hour counter
→ Connection socket for external hygrostat
→ Condensate tank
→ Cable length: 5 m

Options

→ Drainage pump
→ External hygrostat
→ Wall brackets

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