

Product sheet

Munters ComDry NX M190Y

Desiccant dehumidifier



Features

- Unique mechanical design
- Casted aluminium and plastic construction
- Compact and lightweight
- Advanced controller with Modbus
- Humidity and temperature sensor
- kWh and other hour counters
- Energy efficient
- Options for Munters AirC Wireless remote control and sensors
- New and improved handle allows true stackability

Munters proudly introduces the thoroughly upgraded Munters ComDry NX M190Y with new controller including Modbus and hardwire communication – an extremely reliable and portable dehumidifier with superior drying capacity that is not only lightweight and easy to install but also 20% more energy efficient than most competitors.

Featuring a convenient plug-and-play, cutting-edge control system with graphic display, more powerful drive

motor, AirC Wireless connectivity, service alerts, kWh meter and more, this best-in-class portable plug-and-play dehumidifier creates the perfect climate in a wide range of applications.

Munters ComDry NX series is particularly suited to water and fire damage restoration operations as well as archives, waterworks and the construction industry. ComDry NX units can also be used to reduce the relative humidity in storage rooms, cellars, archives and other limited spaces.

The ComDry NX M190Y is designed for mobile and fixed installations. Operational remote control and/or signals facilitate operation, making Munters ComDry NX M190Y the perfect choice for preservation applications.

The internal design is based on the so-called 3-hole principle, meaning the process and reactivation air streams are driven by only one common fan. This simple design requires only one hose connection to the outside for wet air extraction.

Benefits include a more compact machine with less weight (only 11 kg), making it ideal for handheld tasks. From an investment point of view, the 3 hole principle provides a more economical alternative compared to the 4-hole machine, having a lower total life time cost (when used in a closed system). Typical uses could include small space compartments like crawl spaces, small drying rooms, or open-system solutions.

The Munters ComDry NX range is available in two configurations – Base and Pro. For the Base model, system integration is possible using wired signals or the Modbus TCP communication protocol. The Pro model has additional functionality with AirC Wireless sensors and wireless remote control panel.

All Munters dehumidifiers are based on the rotor technology specially developed by Munters, which provides high moisture-absorbing capacity. The flexible design and excellent performance of the rotor mean there are almost no limits to its areas of use.

Munters ComDry NX M190Y

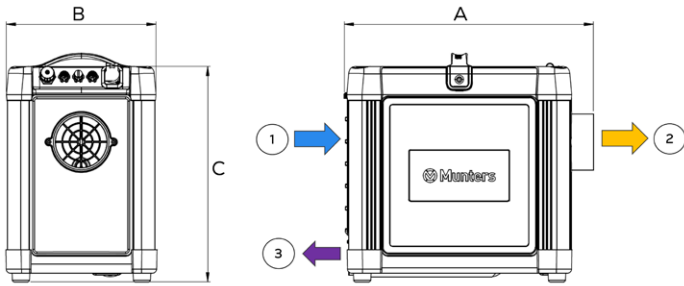
Desiccant dehumidifier

Dimensions

A: Width	445 mm
B: Depth	270 mm
C: Height	381 mm
Dry air out	100 mm
Wet air out	50 mm
Weight	11 kg

Diagram measurements are for reference only. Scaled and dimensioned drawings are available from Munters.

- 1. Process air in
- 2. Dry air out
- 3. Wet air out



Model	Model #	Wired/Modbus TCP	AirC Wireless*	Condenser	Condenser with pump
M190Y					
Base	170-108236-003	●			
Pro	170-108236-001	●	●		

*AirC Wireless is a group of devices that can be wirelessly connected to the unit.

Technical specifications

Dry air			Heater power		(kW)	0.84
Capacity (20°C, 60% RH)	(kg/h)	0.59	230V 1-50/60Hz		(A)	4.1
Free-blowing air	(m³/h)	235	Energy consumption 20°C, 60%		(kWh/kg)	1.51
Rated airflow at 60Pa	(m³/h)	190	Miscellaneous data			
Maximum static pressure	(Pa)	300	Operating temperature		(°C)	-20/+40
Reactivation air			IEC protective class (unit)		-	IP44
Rated airflow	(m³/h)	30	IEC protective class, control board (electrical)		-	IP54
Static pressure at rated airflow	(Pa)	90	Filter class		-	Coarse 50%/G3
Total power, voltage and current			Max noise level		dB(A)	58
Total power	(kW)	0.95				

Standard features – Base and Pro

- Robust aluminium/plastic casing
- Modulating heater
- Lightweight
- Built in RHT sensor
- Humidity control
- Multifunction control displaying RH (%), X (g/kg) or Dp (°C)
- Resettable kWh and hour counter
- Socket for external sensor
- Filter change without tools
- Modbus TCP – communication
- External signal – communication
 - Remote on/off
 - Operation
 - Alarm

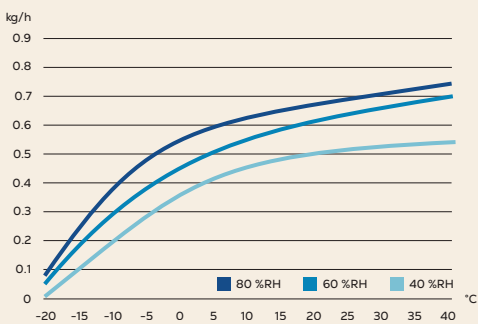
Accessories – Base

- Ducted air inlet
- Wall bracket
- External, cabled RHT sensor

Accessories – Pro only

- Ducted air inlet
- Wall bracket
- External, cabled RHT sensor
- Wireless control panel
- AirC Wireless sensors

Dehumidification capacity



This may not, depending on conditions, correspond to actual drained water volume.

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