

# DY Range

## Mobile industrial dehumidifier



High dehumidification capacity

Control board

Washable air filter

Condensate tank or direct drain

Equipped with wheels and carrying handles

### Description

The **DY** dehumidifier is designed to adapt to all types of industrial environments : storage or building.

The **DY** works by condensing the water vapor contained in the air. Built with a monobloc steel casing with epoxy paint, it is equipped with hermetic refrigeration compressor, centrifugal fan, washable air filter and separate hygostat. The refrigerant used is R410A.

The condensate is drained by flowing into a water drain.

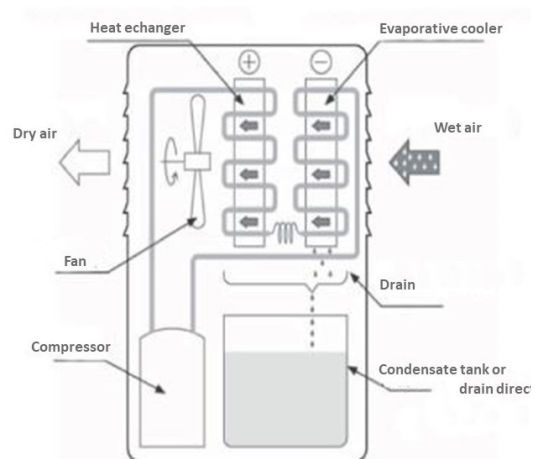
Option: fixed installation with working order

### Applications

For any air conditioning application in industrial or tertiary premises where the concern is excessive humidity, such as production workshops, warehouses, museums, waterworks, concrete slab drying; the **DY** dehumidifier is useful.

### Operating principle

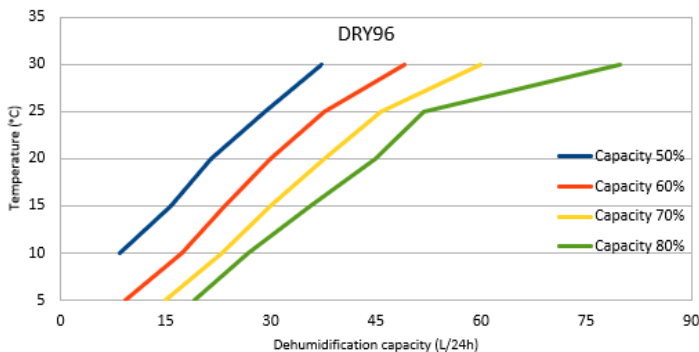
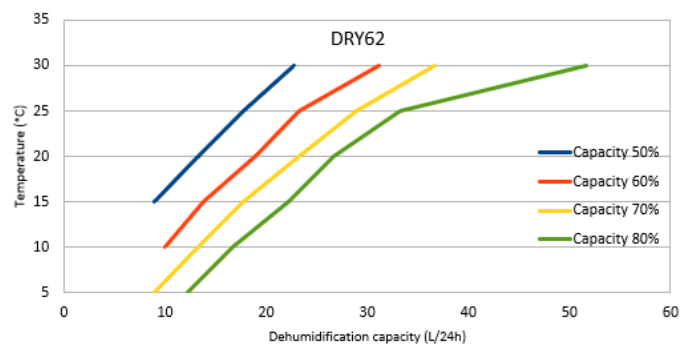
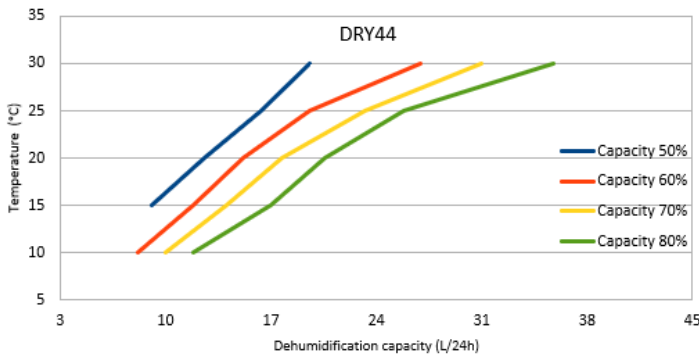
The **DY** dehumidifier is made up of different internal elements, in which a refrigerant circulates in different forms, allowing to decrease the humidity of the air. The humid air, previously filtered, is cooled in contact with the evaporative cooler, which causes condensation and a lowering of humidity. The air is then heated in contact with the heat exchanger, which makes it possible to reduce the temperature of the refrigerant. A fan drives the air flow in the circuit. The cycle is repeated until the humidity reaches the set point.



# Technical specifications / DY Dimensions

	DY 44	DY 62	DY 96
Air flow (m <sup>3</sup> /h)	450	550	1000
Capacities For 30°C and 80% RH	44l /24h	62l /24h	96l /24h
Power supply	230V 1P+N+T 50Hz		
Installed electrical power (kW)	0,69	0,89	1,2
Range of use - temperature	from +7 to +35°		
Range of use - hygrometry	from 35 to 98% RH		
<b>Dimensions (mm)</b>			
• Length	430	590	450
• Width	440	590	580
• Height	840	860	1040
Weight (kg)	41	48	59
Sound pressure level (3 meters in open filed)	46	50	52

## Capacities



DY - 04/24

This document is subject to change without notice.



dry air technics

Parc d'activités de Fétan - 605 allée des Filiéristes - 01600 TREVOUX - France

Tél. : +33 (0)4 74 08 44 44 - contact@dessica.fr

www.dessica.fr