

Dehumidifiers for waterworks

The series HDE air dehumidifiers were developed for both commercial use and for use in waterworks. For this reason, these dehumidifiers have a corrosion-resistant stainless steel housing (Protection Class IP54) and especially large and sturdy transport wheels. The generously dimensioned ventilators provide high-volume air circulation and therefore excellent dehumidification performance even in large and high rooms. Full electronic control guarantees an efficient dehumidification process even at low operating temperatures.

External hygrometers or condensation point sensors can be connected. The condensation is permanently removed via a hose. All connections and switches are installed protected on the rear of the housing.

Areas of use Operation under normal atmospheric conditions and at ambient temperatures of between 1 °C and 35 °C, at a relative humidity of 40% to 99%.

- Design**
- Stainless steel housing
 - Hot gas defrosting
 - Protection Class IP54
 - Fully electronic controller
 - Cleanable air filter
 - Operating hours displayed in the controller
 - Impact-protected filter/evaporator
 - Coolant R410A
 - Optional condensation pump possible
 - External hygrometer, condensation point sensor optional

HDE 150 / HDE 210



HDE 370



**Technical data -
dehumidifier**

Dehumidifier	HDE150	HDE210	HDE370
HE article number	151614	151615	151616
Dehumidification performance at 8 °C / 70% r.h. [l/d]	11.9	26.2	30.9
Dehumidification performance at 12 °C / 70% r.h. [l/d]	15.9	32.1	38.8
Dehumidification performance at 20 °C / 60% r.h. [l/d]	21.5	39.4	48.0
Dehumidification performance at 27 °C / 60% r.h. [l/d]	29.6	53.0	65.3
Dehumidification performance max. 30 °C / 80% r.h. [l/d]	40.8	71.7	93.2
Power consumption at 10 °C / 70% r.h. approx. [W]	200	770	920
Power consumption max. [W]	330	1010	1510
Voltage [V / Hz]	230 / 50	230 / 50	230 / 50
Air circulation max. [m³/h]	600	800	1000
Increased pressing ext. [Pa]	-	-	300
Sound pressure level [dB(A)]	47	48	57
Weight, net [kg]	50	56	82
Dimensions incl. wheels and handle (height x width x depth) [mm]	915 x 545 x 490	965 x 545 x 490	1100 x 610 x 635

Scope of delivery: Room air dehumidifier with plug-in external hygrostat

Important It is essential to fit the flow guides (2 x stainless steel curves with sleeves and deflectors) supplied with the HDE370. Operation without the flow guides would result in an excessive flow speed at the evaporator with the consequence that performance may be reduced.

**Condensation
point monitor
TW Ö/S**

Condensation point monitors enable the air dehumidifiers to be operated very efficiently and therefore economically. The condensation point monitor is installed on cold surfaces or directly on pipelines. It can be used as a moisture sensor, a condensation point sensor or a limit value switch and the dehumidifier can be operated in such a way that it is activated by the switching output of the condensation point monitor even before condensation forms on the pipe surface. A 24 V AC power supply from the dehumidifier is required in order to operate the condensation point monitor.



**Technical Data -
condensation
point monitor**

Condensation point monitor	TW Ö/S
HE article number	151617
Capacitive sensor	for operating range 75-100% r.h.
Temperature range	0-50 °C
Output signal	Floating changeover contact 24 V AC
Protection Class	IP65