

Honeycomb Dehumidifiers

The SD-H series honeycomb dehumidifiers are mainly used to dry hygroscopic engineering plastics. A honeycomb-rotor is used in this series to offer effective drying. We offer two types of honeycomb rotors: H4 and H5 models that, under ideal conditions, can supply dehumidified dry air with a dew-point down to -40°C and -50°C respectively. The SD-H series offers accurate PID temperature control as standard, with LCD touch screen and dew-point monitor as optional features. The range comprises 14 models of honeycomb dehumidifiers, the largest of which can provide dry air up to a volume of $3000\text{m}^3/\text{hr}$.

Features:

- Accurate control and display of regenerating temperature using PID control.
- Two types of honeycomb rotors: H4 and H5 models available.
- Under ideal conditions, H4 and H5 models can supply dehumidified dry air with a dew-point down to -40°C and -50°C respectively.
- Equipped with main power switch and control switch.
- The dehumidifying section of the SD-H series features two condensers to ensure a low return air temperature and low dew-point.



SD-300H5-LC-D



SD-50H

Specifications

Model	SD30H	SD50H	SD80H	SD120H	SD150H	SD200H	SD300H	SD400H	SD500H	SD700H	SD1000H	SD1500H	SD2000H	SD3000H
Dry air capacity (m ³ /hr) (50/60Hz)	32/40	55/65	85/90	125/135	152/165	205/220	300/340	420/450	520/550	690/720	1050/1100	1680/1800	2200/2400	3300/3600
Process heater* (kw)	3	3.9	6	6	7.2	12	15	18	21	24	32	56	80	98
Process blower (kw) (50/60Hz)	0.18/0.2	0.4/0.5	0.75/1.1	1.1/1.3	1.5/1.9	1.5/1.9	2.2/2.6	3.4/3.7	5.5/6.3	5.5/6.3	9/11	18/21	26/31	39/45
Regen. blower (kw) (50/60Hz)	0.18/0.2	0.18/0.2	0.18/0.2	0.18/0.2	0.4/0.5	0.4/0.5	0.75/1.1	0.75/1.1	1.5/1.9	1.5/1.9	2.2/2.6	3.4/3.7	4.4/5.2	7.5/9
Regen. heater (kw)	3	3	3.5	3.5	4	5.4	7.2	7.2	10	10	15	20	20	30
Pipe coupling (inch)	2"	2"	2"	2"	2.5"	2.5"	3"	3"	4"	4"	5"	6"	8"	8"
Voltage (V)	3Φ, 230/400/460/575V, 50/60Hz													
Dimensions														
H (mm)	1000	1000	1230	1230	1680	1680	1700	1700	1875	1875	1990	2000	2300	2500
W (mm)	450	450	480	480	600	600	700	700	1000	1000	1200	1300	1400	1600
D (mm)	700	700	730	730	1100	1100	1255	1255	1390	1390	1860	1910	1910	2160
Weight (kg)	80	80	120	140	215	225	240	280	290	300	400	510	630	760

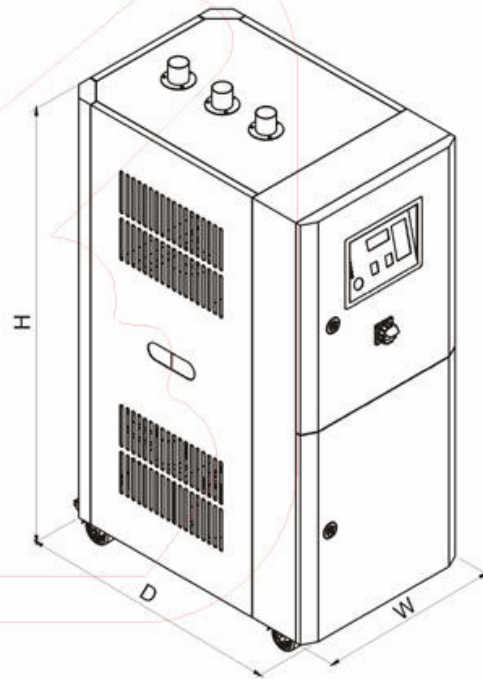
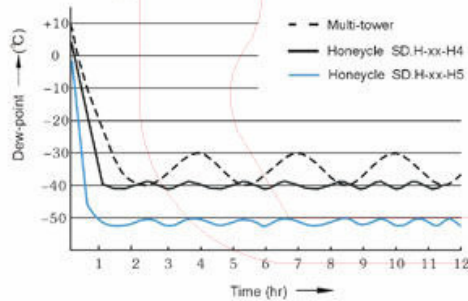
* Process heater is optional to be used with a drying hopper.

We reserve the right to change specifications without prior notice.

Humidity and Moisture Content

Dew-point (°C)	Relative Humidity (%)	Moisture Content	
		PPM	%
+20	100	23,072	2.307
+10	52.50	12,117	1.212
0	26.10	6,027	0.603
-10	11.20	2,574	0.257
-20	4.40	1,025	0.103
-30	1.60	378	0.038
-40	0.60	128	0.013
-50	0.20	39	0.004

Dew-point Comparison



Optional Features

- LCD touch screen PLC controller.
- Process heater and temperature controller.
- Dew-point monitor to check dry air dew-point.
- Cyclone dust separator on stand when processing raw materials with high dust content.
- Plasticiser trapper for removing plasticiser from returned process air.

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