



Integrating plastic technologies  
since 1965

# DEHUMIDIFYING DRYERS

## SDD Series



**SDD-160U/120H-D**



**SDD-160U/120H-LC-D**

The SDD series dehumidifying dryers combine a dehumidifying and drying system in a single unit. They have many applications in processing plastic materials, especially for drying hygroscopic materials such as PA, PC, PBT, PET, etc. 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 and -50 respectively. All models feature SD-H honeycomb dehumidifiers with built-in process heater, and insulated drying hopper. The SDD series offers accurate PID temperature control as standard, with LCD touch screen, dew-point monitor, and hopper loaders as optional features.

### FEATURES:

- The SDD dehumidifying dryers use honeycomb dehumidifiers with an eye-catching semi-integral appearance.
- Each model combines dehumidifying and drying functions into a single unit.
- Material processing is controlled via microprocessor as standard, with touch screen PLC control as an option for more convenient control.
- Insulated drying hopper features dry air downblowing and cyclone exhaust design. This improves drying efficiency and reduces energy consumption whilst maintaining a steady drying effect.
- Compact in size for ease of movement and space saving.
- The dehumidifying section of the SDD series features two condensers to ensure a low return air temperature and low dew-point.
- Dew-point monitor can be fitted to check dry air dew-point.
- Optional suction box and hopper loader for added convenience when conveying material.

## SPECIFICATIONS:

Model	Insulated hopper (L)	Process heater (kw)	Process blower (kw) (50/60Hz)	Dry air capacity (m <sup>3</sup> /hr) (50/60Hz)	Regen. heater (kw)	Regen. blower (kw) (50/60Hz)	Dimensions (mm) HxWxD	Weight (kg)
20U/30H	20	3	0.18/0.2	32/40	3	0.18/0.2	1300 x 875 x 700	110
40U/30H	40	3	0.18/0.2	32/40	3	0.18/0.2	1300 x 940 x 700	120
40U/50H	40	3.9	0.4/0.5	55/65	3	0.18/0.2	1300 x 940 x 700	130
80U/50H	80	3.9	0.4/0.5	55/65	3	0.18/0.2	1450 x 1050 x 700	160
120U/80H	120	6	0.75/1.1	85/90	3.5	0.18/0.2	1450 x 1050 x 730	170
160U/80H	160	6	0.75/1.1	85/90	3.5	0.18/0.2	1725 x 1250 x 730	210
160U/120H	160	6	1.5/1.9	125/135	3.5	0.18/0.2	1725 x 1150 x 730	230
230U/120H	230	6	1.5/1.9	125/135	3.5	0.18/0.2	2010 x 1150 x 1100	240
230U/150H	230	7.2	1.5/1.9	152/165	4	0.4/0.5	2010 x 1270 x 1100	315
300U/150H	300	7.2	1.5/1.9	152/165	4	0.4/0.5	2010 x 1400 x 1100	345
300U/200H	300	12	1.5/1.9	205/220	5.4	0.4/0.5	2010 x 1400 x 1100	355
450U/200H	450	12	1.5/1.9	205/220	5.4	0.4/0.5	2360 x 1400 x 1100	385
450U/300H	450	15	2.2/2.6	300/340	7.2	0.75/1.1	2360 x 1400 x 1100	400
600U/300H	600	15	2.2/2.6	300/340	7.2	0.75/1.1	2360 x 1575 x 1100	440
600U/400H	600	18	3.4/3.7	420/450	7.2	0.75/1.1	2635 x 1975 x 1390	480
750U/400H	750	18	3.4/3.7	420/450	7.2	0.75/1.1	2635 x 1975 x 1390	500
750U/500H	750	21	5.5/6.3	520/550	10	1.5/1.9	2910 x 1975 x 1390	510
900U/500H	900	21	5.5/6.3	520/550	10	1.5/1.9	2910 x 2300 x 1390	540
900U/700H	900	24	5.5/6.3	690/720	10	1.5/1.9	2910 x 2300 x 1390	550
1200U/700H	1200	24	5.5/6.3	690/720	10	1.5/1.9	2910 x 2300 x 1390	600

## OPTIONAL FEATURES:

- Under ideal conditions, H5 models can supply dehumidified dry air with a dew-point of -50.
- LCD touch screen PLC controller.
- Dew-point monitor with digital display to check the dry air dew-point.
- Mirror polished treatment on all material contact surfaces.
- High efficiency particulate(HEPA) air filter.
- Suction box and hopper loader for added convenience when conveying material.

