

# SHD Series Economic Hot Air Dryers

Hopper mounted hot air dryers are the most effective way of drying plastic granules. Drying directly at the machine throat eliminates the possibility of contamination or re-absorption of moisture when transporting from a central drying position to the machine hopper.

The SHD series of hot air dryers is ideally suited to the continuous drying of 8 to 800 kilos per hour of plastic granules.

All models offer rapid heating and accurate temperature control by incorporating as standard equipment an electronic temperature controller with thermocouple. A safety overheat thermostat prevents overheating of the material.

Other features include:

- Hinged construction for easy cleaning.
- Quick release clamps for positive locking of hinged parts.
- Stainless steel internal parts.
- Robust cast aluminum base.
- Material discharge valve fitted to the base.
- Material shut off slide.
- Sight-glass fitted to both the bowl and base.
- Hopper lid prepared for easy mounting of hopper loader.



Special features for SHD50 and above:

- 24-hour timer for auto start-up (“T” denotes).
- Motor overload protection.
- Main circuit breaker.

Options include:

- Microprocessor control (“D” denotes).

## Specifications

SHD model		12	25	50	100	200	300	400	600	800
Hopper volume (approx.)	litre	20	40	80	160	320	460	650	1000	1300
Blower motor	W	90		200	250	400		600		750
Heating capacity ('A' model)	kW	1.8	2.8	4.2	6	12	13	18	22	28
Drying temp. range	°C	ambient to 150 °C								
Type of hopper opening	-	hinged								bolted
Voltage (phase)	V	220-240(1Ø)			380-460(3Ø)					
Width	mm	630	730	860	1000	1200		1350		1440
Depth	mm	470	550	570	700	860		950		950
Overall height	mm	790	1030	1180	1370	1680	1940	2010	2300	3352
Weight (approx.)	kg	32	42	56	100	160	175	235	265	310

## Drying Capacities kg/hour

Material	Drying <sup>(1)</sup> Time (hr)	Drying Temp.(°C)	Drying Capacity <sup>(2)</sup> / model SHD								
			12	25	50	100	200	300	400	600	800
PS, PE, PP	0.75	80	8	20	50	100	200	300	400	600	800
ABS	1	80	4	8	20	40	80	120	160	240	320
Nylon 11 & 12	4	75	2	4	10	20	35	60	80	120	160
Nylon 6/6, 6/10	5	75	1.5	3.5	8	16	30	50	65	100	130
Nylon 6	7	75	1	2	5	10	20	35	50	70	80
Acrylic	2.5	80	2.5	6	15	30	60	100	140	200	240
Acetate	2.25	75	2.5	6	17	35	70	110	150	220	280
Acetate Butyrate	1.5	75	4	10	25	50	100	165	220	330	400
Polycarbonate	3	120	1.5	4	10	20	40	60	90	120	160
Rigid PVC	1.25	70	5	12	30	60	120	190	250	380	480

(1) Base on relative humidity 65% with ambient temperature of 20°C, moisture content after drying can be 0.2% or less.

(2) Capacities are based on 60hz operations.

## Illustration of Drying & Loading Combination



Dust collector



Hot air recycler