

"Econo" Hopper Dryers

SHD series "Econo" hopper dryers offer an effective and low-cost method for plastic material drying. Hot air is used to dry wet materials that due to moisture absorption during packaging, transportation, and recycling cycles. They can be directly mounted on the moulding machine for quick drying and space saving. For this series, hot air blows evenly from bottom to the top (both SHD-800 and SHD-1000 have down-blowing air pipe and accessible door for easy material clearance) of the hopper with capacity ranging from 12~ 1000 kg.



SHD-50

Features

- Adopt hot air diffuser to gain an even hot air flow to improve drying efficiency.
- Unique hot air inlet elbow design can prevent dust piling up at bottom of the pipe heaters so to avoid burning.
- All material contact surfaces are made of stainless steel to eliminate material contamination.
- Hinged hopper provides easy access to cone-shaped area for the convenience of material cleaning.
- P.D. temperature controller for accurate temperature control.
- Overheat protectors to prevent accidents by operational errors or mechanical failures
- Overheat indicator, blower contactor and overload relay are standard equipments.
- SHD-300 and below models are equipped with standard base. SHD-400 and above models are equipped with magnetic base.
- 24 hours auto start / stop timer and double insulated hopper are available as options.
- Other optional accessories: cyclone dust separator, exhaust air filter, hot air recycler, aluminum magnetic base, blower inlet filter, hopper magnet, dried-material suction box, floor stand.
- Upon request, it can be built to comply with worldwide electrical safety standards (For example : CE, UL, CSA, JIS etc.).



SHD-800-I

Optional Accessories



Cyclone Dust Separators

Effective filters 80% dust-contain air which is discharging from dryer so to avoid air pollution.

Model	Applicable Model	Dia.(inch)
HCF-1	SHD-12	2"
HCF-2	SHD-25-150	3"
HCF-3	SHD-200-600	4"



Exhaust Air Filters

Effective filters 90% dust-contain air which is discharging from dryer so to avoid air pollution.

Model	Applicable Model
ADC-1	SHD-12
ADC-2	SHD-25-150
ADC-3	SHD-200-600

Hot Air Recyclers

Work with hopper dryer to make the hot air form a semi-hermetic circulated loop and has features as follows:

- 1) Hot air recycling and circulating so to avoid indoor temperature rise up.
- 2) Keep air in factory clean and ensure good product quality.
- 3) Heating by fast hot air circulation can low down energy consumption to 40%.



Model	Filtering Barrel Dia.(mm)	Inlet Air Pipe Dia.(inch)	Flange of Air Outlet Pipe (inch)	Applicable Model	Blower of Dryer
HAR-12	157	2"	2"	SHD-12	2.5"
HAR-25		2.5"	2.5"	SHD-25	
HAR-50	175	3"	3"	SHD-50 / 75	3"
HAR-100	219	3"	3"	SHD-100 / 150	4"
HAR-200	245	4"	4"	SHD-200-500	5"

Magnetic Bases

Made of aluminum with built-in hopper magnet, can effectively separate metal scraps out so to avoid material contamination.



Model	Applicable Model	Magnetic Frame	Aluminum Holder
MB-12	SHD-12	MR-3	(88.5×78×23)×2
MB-50	SHD-25-75		(118.5×105×23)×2
MB-100	SHD-100-300		(147×130×23)×2
MB-400	SHD-400 and above		



Blower Inlet Filters

Model	Applicable Model
AIF-12	SHD-12
AIF-25	SHD-25
AIF-50	SHD-50 / 75
AIF-100	SHD-100 / 150
AIF-200	SHD-200-500

Note: Blower's air output is adjustable.



Hopper Magnets

Absorb metal scraps in the material so to avoid the damage of molding screw.

Model	Applicable Model	Aluminum Holder
MR-5	SHD-12	(148 × 80 × 2.3) × 2
MR-7	SHD-25~50	(190 × 80 × 2.3) × 2
MR-9	SHD-100~400	(240 × 80 × 2.3) × 2
MR-11	SHD-600及以上	(298 × 80 × 2.3) × 2



Material Suction Boxes

Euro-style in appearance design, work with dryer that has a floor stand and vacuum loader, suitable for material suction and discharging.

Type	SHD-12~75	SHD-100 and above
SBU	-20-38S	-160-38S
SBU	-20-50S	-160-50S
SBU	-20-38D	-160-38D
SBU	-20-50D	-160-50D

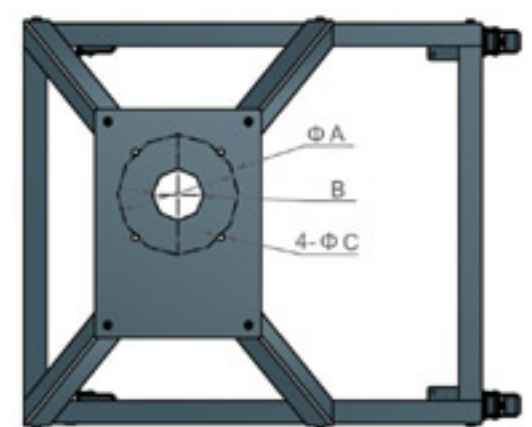
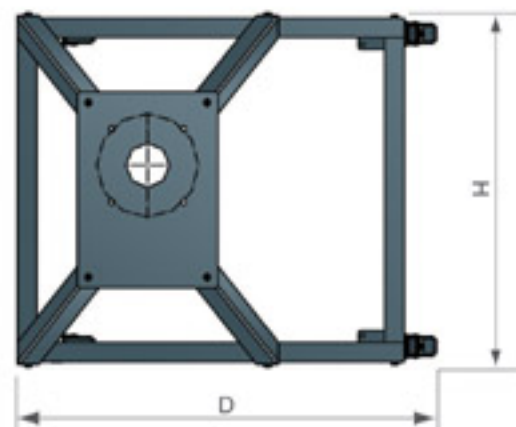
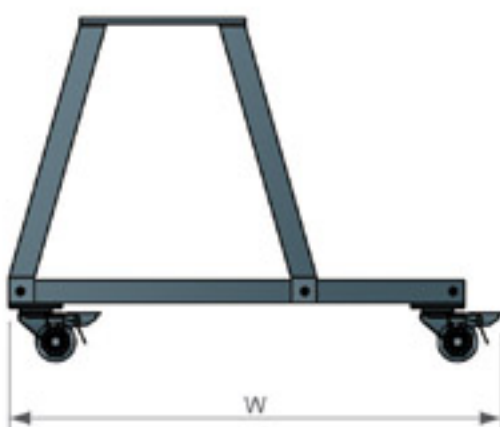
- Note: 1) Install pneumatic shut off valve (plus "V" at the back of model).
 2) Change into stainless steel (plus "S" at the back of model).
 3) Stainless steel polishing (plus "P" at the back of model).
 4) Single tube suction box (plus "S" at the back of model).
 Double tube suction box (plus "D" at the back of model).

Floor Stands

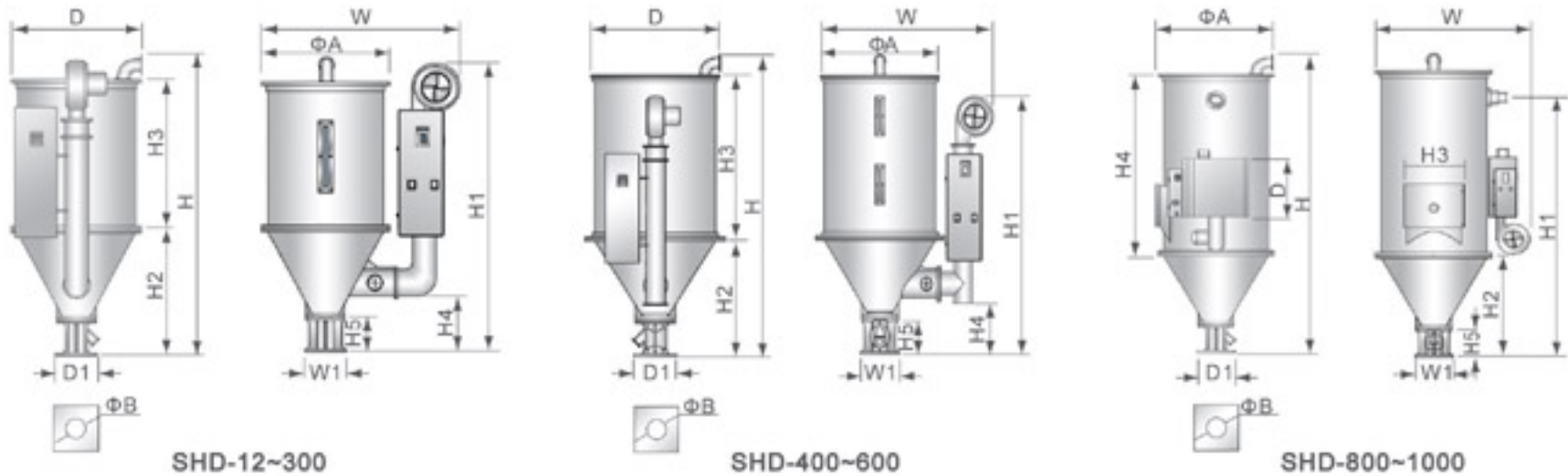
Can move the main body out of factory so to overcome height limit in factory, convenient to move and freely be able to work for any other moulding machine.



Model	Applicable Model	Dimensions (mm) H × W × D	A-B-C (mm)
FSN-50	SHD-12~75	600 × 700 × 640	140-54-9
FSN-100	SHD-100 / 150	615 × 800 × 710	210-90-11
FSN-200	SHD-200 / 300	680 × 1000 × 840	210-90-11
FSN-400	SHD-400 ~ 600	700 × 1200 × 1010	260-116-13
FSN-800	SHD-800 / 1000	700 × 1600 × 1180	260-116-13



Outline Drawings



Specifications

Model	SHD-12	SHD-25	SHD-50	SHD-75	SHD-100	SHD-150	SHD-200	SHD-300	SHD-400	SHD-500	SHD-600	SHD-800	SHD-1000
Heater Power (kW)	2.2	3	3.9	4.2	6	6	12	15	18	19.5	21	24	32
Blower Power (kW, 50 / 60Hz)	0.12 / 0.14	0.12 / 0.14	0.12 / 0.14	0.12 / 0.14	0.18 / 0.20	0.18 / 0.20	0.25 / 0.28	0.25 / 0.28	0.25 / 0.28	0.25 / 0.28	0.55 / 0.63	0.55 / 0.63	1.1 / 1.26
Loading Capacity (kg)	12	25	50	75	100	150	200	300	400	500	600	800	1000
H (mm)	865	1015	1145	1240	1340	1580	1750	1985	2105	2285	2530	2700	3000
H1 (mm)	750	925	1045	1150	1340	1605	1480	1480	1840	1840	2015	2240	2470
H2 (mm)	375	410	380	475	470	470	550	550	775	775	775	950	950
H3 (mm)	370	460	520	620	725	970	975	1220	1220	1400	1545	540	540
H4 (mm)	110	210	220	220	226	226	258	258	302	302	302	1550	1845
H5 (mm)	170	170	170	170	166	166	158	158	222	222	222	222	222
W (mm)	660	725	840	900	955	955	1230	1230	1365	1365	1365	1420	1420
D (mm)	360	405	490	550	605	605	770	770	915	915	950	600	600
W1/D1 (mm)	150	150	150	150	220	220	257	257	345	345	345	345	345
ΦA (mm)	Φ325	Φ385	Φ470	Φ530	Φ595	Φ595	Φ750	Φ750	Φ910	Φ910	Φ910	Φ960	Φ960
ΦB (mm)	Φ55	Φ55	Φ55	Φ55	Φ90	Φ90	Φ90	Φ90	Φ105	Φ105	Φ105	Φ105	Φ105
Weight (kg)	35	40	45	55	70	75	120	120	165	170	240	280	300

- Note: 1) Install 24HR timer, plus " T " at the back of the model.
 2) Additional note of " M " will be added to SHD-300 and below models, the bases of which are changed to be magnetic bases.
 3) Change into double insulated layer, add " I " at the back of the model.
 4) Change into 180°C high temp. add " H " at the back of the model.
 5) Additional note of " S " will be added to model, the voltage of which is changed to be single-phased voltage (free modification for SHD-75 and model below).
 6) Power: 3Φ, 230 / 400 / 460 / 575V, 50 / 60Hz.

We reserve the right to change specifications without prior notice.

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