



# SDL-U Series

## "Euro" Hot Air Compact Dryers

The SDL-U series of "Euro" hot air compact dryers combines conventional hot air drying and two-stage conveying functions in a compact unit, and is particularly suitable for using with the big tonnage moulding machines when height restriction is concerned at the workshop. The SDL-U series has a unique function of two-stage conveying, that can transport both raw material to its own drying hopper and dried material to the processing machine. Insulated drying hopper features hot air down-blowing and cyclonic exhaust design, this improves drying efficiency and reduces energy consumption whilst maintaining a steady drying effect.

### Features:

- Innovative design with an eye-catching semi-integral appearance.
- Each model combines hot air drying and two-stage conveying functions into a single unit.
- Compact in size for ease of movement and space saving.
- Insulated drying hopper features hot air down-blowing and cyclonic exhaust design, this ensures even distribution of hot air to maintain a steady temperature and increase drying efficiency.
- All air and material contact surfaces on the drying hopper made from stainless steel to avoid contamination.
- Accurate control and display of regenerating temperature using P.I.D. control with LED display.
- Double overheat protection to ensure reliable operation.
- 7 days automatic start/stop timer to improve energy saving.
- Two-stage conveying system can transport both raw material to its own drying hopper and dried material to the processing machine.
- Closed-loop conveying device eliminates the possibility of moisture re-absorption during dried material conveying. Machine equipped with pneumatic shut-off valve ensure no material remains in the material line after each loading cycle.
- Optional hot air recycling device can reduce up to 30% of the energy consumption, and gives a dust-free environment.



SDL-80U



Operator Panel



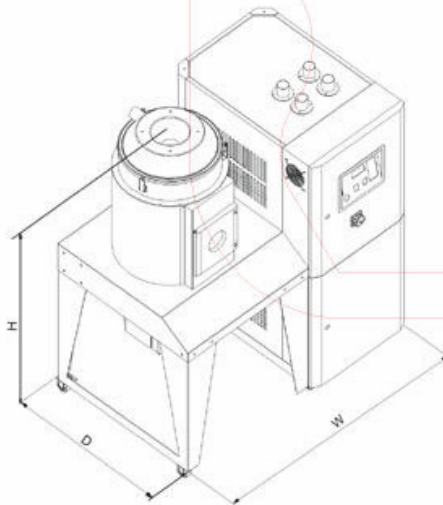
## Specifications

Model	SDL-80U	SDL-160U	SDL-300U	SDL-600U
Drying Hopper Capacity (liter)	80	160	300	600
Air Inlet Dia. (inch)	2.5 "	3 "	3 "	4 "
Air Outlet Dia. (inch)	2 "	2.5 "	2.5 "	3 "
Conveying Hose Dia. (inch)	1.5 "	1.5 "	1.5 "	1.5 "
Process Blower (w) (50 / 60Hz)	200 / 230	250 / 287	400 / 460	750 / 862
Process Heater (kw)	3.9	6	12	18
Conveying Blower (kw) (50 / 60Hz)	0.75 / 0.86	0.75 / 0.86	1.5 / 1.8	1.5 / 1.8
SHR-U-E Hopper (liter)	6	6	12	12
SHR-U Hopper (liter)	6	6	12	12
Dimension W x H x D (mm)	930 x 1305 x 730	1150 x 1725 x 730	14 00 x 2010 x 1100	157 5 x 2360 x 1100
Weight (kg)	130	165	310	435

Note: 1) 4-6 bar pressure compressed air supply.  
2) Power supply: 3Φ , 230/400/460/575V, 50/60Hz.

We reserve the right to change specifications without prior notice.

## Outline Drawing



SHR-6U-E & SHR-12U-E

Full stainless steel hopper receiver with glass-tube and adjustable level sensors is used to convey dried material directly to the feed throat of the processing machine.

SHR-6U & SHR-12U

Full stainless steel hopper receiver with mechanical flap and magnetic switch is used to install on the drying hopper for conveying raw material.



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