

L'Obel SOLAR CABINET DRYER

MODELS AVAILABLE



LSPS STD	Standard Model With the Specification as mentioned
LSPS WTAV	Model with same specification & Turbo air ventilator for forced convection
Above all includes solar air heating collector, drying chamber with loading tray from the back door.	

PRODUCT SPECIFICATION

Size	Installed for use 2000 x 1500 x 2100 (+/- 10) mm
	Air heating Collector size 1m x 2 m, Chamber size 600(L) x 600(B) x 1900(H) mm
Weight	100 kg max
Shape	Rectangular Shape of air heating collector,
Drying Chamber Structure	MS Sheet metal fabricated, Powder coated, with Bottom Stand
Air Heating Collector Structure	Powder coated aluminum, With GI "U" Heating Fins for more heat transfer area, Bottom Insulation And top with toughened glass.
Absorber coating and	"U" fins with Flat black Coating as selective coating for more than 0.90 absorptivity.
Material Loading Tray	Made from SS Tray with trolley arrangement with small wire mesh for storing the material entry from back door.
Collector Support	MS fabricated and powder coated.
Filter	Fiber glass fabric cloth for preventing the dust to enter in the collector and chamber.
Tracking	Not required just install in front of sun.
Finish	Attractive powder coated finish
Drying capacity	In dry area moisture removal capacity with natural convection is 5 kg of water per sq mtr of heating area. However this may depend on the size of the loading material.
Temperature Range	For natural convection the temperature of hot air may go up to 80 deg cel, while in forced convection it may limit up to 60-65 deg cel depending upon the speed of the ventilator.
Air Flow control	Possible by damper if customer need.
Dryer Life	It is designed for give you the best drying efficiency up to 10 yrs However it depends on How it is being Use, The structure life is near 20 yrs and the UV coated Poly carbonate sheet will give you best efficiency up to 5 yrs.



L'Obel Solar Power System

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