

## SPECIFICATIONS

SPECIFICATION	
Height:	24" (600mm)
Width:	31 1/2" (340mm)
Depth:	22" (550mm)
Weight:	82lbs. (37kg)
Airflow:	460CFM (800m <sup>3</sup> /hr)
Power Rating (Dryer):	320W (Max)
Power Rating (Heater):	350 (Operates Intermittently)
Power Requirements:	115V / 60Hz-7 amps
Maximum Operating Temperature:	113 °F (45 °C)
Control	STC1 Controller (Supplied)
Finish	Epoxy / Vinyl
Special Features	Stainless steel water collection tray for corrosion resistance. Drying chamber temperature indicator. Powerful centrifugal fan for even drying.

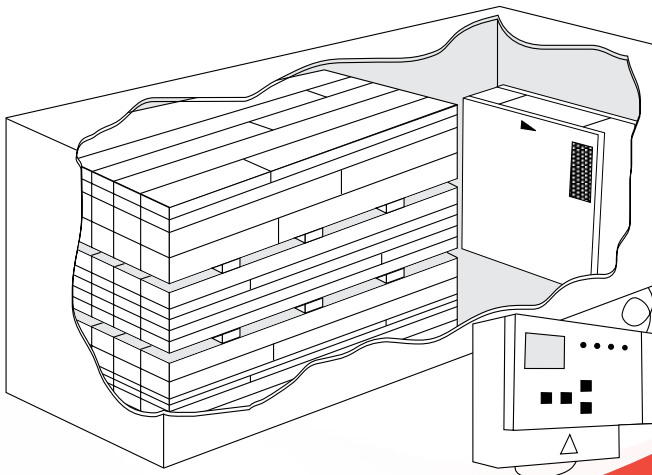
## OPTIMUM CAPACITY

The EIPL LD800 has been designed to dry the following maximum wood loads:

1" Hardwood	800BF	(66 cu ft)
2" Hardwood	1,750BF	(146 cu ft)
3" Hardwood	2,900BF	(246 cu ft)
1" Softwood	320BF	(26 cu ft)
2" Softwood	700BF	(58 cu ft)
3" Softwood	1,170BF	(98 cu ft)

## PACKAGED SYSTEMS

The LD800 with the STC1 Controller is all you need to start drying wood. The STC1 controller consists of a proportional timer to control the drying cycle and a thermostat to control the heating cycle. Extra equipment such as venting units and supplementary heaters are normally not required. The drying speed is controlled at a rate which will not cause degrade, therefore humidification equipment is unnecessary.



# LD800 WOOD DRYER



PRECISION DRYING THROUGH DEHUMIDIFICATION

# THE LD800 WOOD DRYER

The LD800 wood dryer has been designed for the small cabinet making shop, hobbyist, or other craftsman who requires quality kiln dried wood. The system is supplied complete and ready for installation in a small self built drying chamber. No additional equipment is normally required. Your EIPL drying consultant will recommend dimensions of a suitable drying chamber that is matched exactly to your needs.

## SAVE MONEY

Typically, green wood is available for significantly less than half the price of kiln dried material. Considerable savings can, therefore, be made by drying your own wood, even after an allowance has been made for modest running costs. Users of the LD800 often recover their investment within a few months of installation.

## IMPROVE QUALITY

Complete control over drying means complete control over quality too. An LD800 enables the user to dry down to the moisture content he needs, evenly and without degrade, throughout the whole stack.

## PERFORMANCE

Designed to operate up to 113°F (45°C). The LD800 can dry wood from green or air dried, to 6% moisture content if required. Drying times vary according to species, board thickness and starting moisture content. Your EIPL drying consultant will advise individual drying run times on a case-by-case basis. To insure the dried wood is of the highest quality, EIPL recommends a drying rate of 1% per day or less for 1" hardwood. Faster drying is attainable with operating experience.

## INDEPENDENCE

With your own drying system you can exercise wider options when purchasing lumber, and reduce inventories. Dry what you want when you want it.

## RUNNING COSTS

The LD800 is inexpensive to run, because it is installed in an insulated drying chamber. Typically it may consume just 1Kw of energy every three hours of continuous running.

## FLEXIBILITY

The LD800 can dry combined loads of mixed species and mixed thickness boards without degrade. This means that inventories can be minimized, saving space and reducing your capital outlay.

## CONTROL

The EIPL LD800 wood dryer is supplied complete with the STC1 Controller, and no additional equipment other than a moisture meter is normally necessary. To operate the system two controls must be set at the beginning of the drying run, in accordance with our comprehensive instructions. Operation is then virtually automatic.

An electric thermometer measures the drying chamber and displays this information on the control box.

The STC1 Controller is housed in a moisture resistant casing with a transparent hinged front cover.

## AIRFLOW

The airflow inside the chamber must be even to prevent temperature layering. The LD800 incorporates a powerful centrifugal fan. No additional fans are normally required.

## FLEXIBLE DRYING

With an LD800 you can dry as much or as little wood as you need, hardwood or softwood. Because the LD800 works at low temperatures your wood is not "cooked" minimizing degrade and promoting a more attractive dried board.



Ebac Industrial Products Incorporated, 700 Thimble Shoals Blvd.  
Suite 109, Newport News, VA 23606-2575

Tel: (757) 873-6800 Fax: (757) 873-3632 [www.ebacusa.com](http://www.ebacusa.com)

