

# LD3000 WOOD DRYER

## SPECIFICATIONS

SPECIFICATION	
Height:	33" (820mm)
Width:	43" (1070mm)
Depth:	12" (290mm)
Weight:	167lbs (76kg)
Airflow:	600CFM (1028m <sup>3</sup> /hr)
Power Rating (dryer)	1100W
Power Rating (heater)	1500W (Operates Intermittently)
Power Requirements:	220V/60Hz/1ph -12 amps
Maximum Operating Temperature:	122° F (50° C)
Control:	STC1 Controller (Supplied)
Finish:	Epoxy / Vinyl
Special Features:	Stainless steel water collection tray for corrosion resistance. Drying chamber temperature indicator. Wall mounted to save space inside the drying chamber.

## OPTIMUM CAPACITY

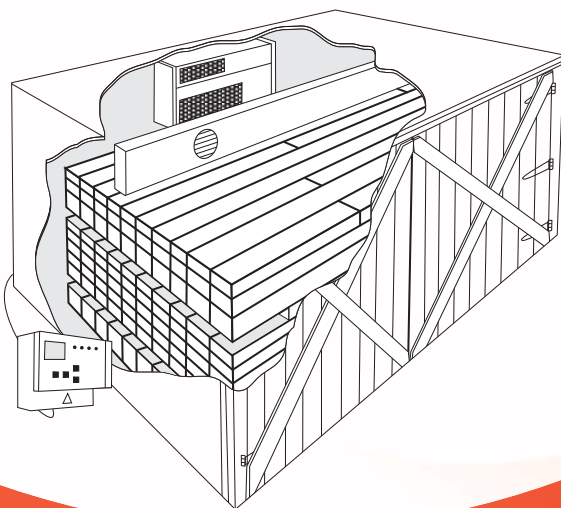
The EIPL LD3000 has been designed to dry the following maximum wood loads:

1" Hardwoods	3,000BF	(250 cu ft)
2" Hardwoods	5,150BF	(430 cu ft)
3" Hardwoods	8,875BF	(740 cu ft)
1" Softwoods	1,440BF	(120 cu ft)
2" Softwoods	3,240BF	(270 cu ft)
3" Softwoods	5,400BF	(450 cu ft)

EIPL will be pleased to discuss your precise drying needs on a case-by-case basis.

## PACKAGED SYSTEMS

The LD3000 with the STC1 Controller and two supplementary fans are 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.



PRECISION DRYING THROUGH DEHUMIDIFICATION

# THE LD3000 WOOD DRYER

The LD3000 is a packaged drying system for the wood retailer or other craftsman who require quality kiln dried wood. The unit is complete and ready for installation into a home built drying chamber. The LD3000 has been designed to operate effectively at low humidity levels therefore you can be certain that your wood is thoroughly dried to the moisture content you need, as low as 6%.

## SAVE MONEY

Typically, green lumber costs less than half the price of kiln dried supplies. Considerable savings in lumber buying costs can be made by installing you own drying system. Even after an allowance has been made for modest running costs, users usually recover their investment within a few months of installation.

## IMPROVE QUALITY

Being sure your wood is thoroughly dried means that you are confident in the stability of you finished product. No more bowed table tops, warped doors or cracked joints translate into happier customers and increased profits.

## INDEPENDENCE

Owning a drying system gives you flexibility to dry what you want, when you want it. Your options when buying wood are increased and you dependence on others for quality dry wood is reduced. You gain independence because the entry level moisture content of your lumber is no longer an issue.

## RUNNING COSTS

The LD3000 is inexpensive to operate when installed in a well insulated drying chamber. The LD3000 may consume just 1.2Kw of energy each hour of continuous running. The big dollars you have been spending for others to dry your wood are reduced to just pennies a day.

## PERFORMANCE

The LD3000 is a high performance drying unit designed to extract maximum water at the lowest cost. It operates at temperatures up to 122°F/50°C. The best compromise between drying speed and reliability insures the dried wood is of the highest quality. EIPL recommends a drying rate of 1% per day or less when drying 1" hardwood. Faster drying is attainable with operating experience. The LD3000 is a practical machine for practical people. Loads of mixed species and board thicknesses can be dried together. Inventories can be reduced and the output of dried wood matched exactly to your needs.

## CONTROL

The LD3000 drying unit is controlled by the STC1 Controller. To operate the system two controls are set at the beginning of the drying run, in accordance with our drying instructions. Kiln operation is then virtually automatic.

The STC1 Controller is housed in a moisture resistant casing fitted with a transparent hinged front cover. An electronic thermometer measures the chamber temperature and displays this information on the control box where it can be monitored by the operator.

## AIRFLOW

Air movement is critical in the dehumidification process. The two supplemental fans insure an even flow of the dry warm air throughout the stack.

## DRYING CHAMBER

The unit is installed in a home built drying chamber typically constructed from exterior grade plywood and an insulation material. EIPL will recommend the best construction method and the most suitable chamber dimensions for you needs. To minimize chamber construction costs the drying unit has been designed to occupy a minimum amount of space. The unit's slim design is wall mounted at a ceiling height. This enables the operator to inspect the whole length of the lumber stack without an allowance being necessary for access past the dryer. For ease of installation brackets are supplied with the dryer which are first attached to the chamber wall. The unit is then lifted into position and secured using the hardware supplied.



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

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

