



EBAC WOOD DRYING SYSTEMS

THE LD3000 WOOD DRYER

The LD3000 is a packaged drying system for the wood retailer or other craftsmen 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 your own drying system. Even after an allowance has been made for modest running costs, users often recover their investment within months of installation.

IMPROVE QUALITY

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

INDEPENDENCE

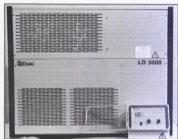
Owning a drying system gives you flexibility to dry what you want, when you want it. Your options when buying wood are increased and your dependence on others for quality dry wood is reduced. You gain independence because entry level moisture content of your lumber is no longer an issue.

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. Ebac 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.



The LD 3000 drying unit with universal controller

CONTROL

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

The Universal 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. Ebac will recommend the best construction method and the most suitable chamber dimensions for your 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 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.



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OPTIMUM CAPACITY

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

1" Hardwoods	3000BF	(250 cu ft)
2" Hardwoods	5150BF	(430 cu ft)
3" Hardwoods	8875BF	(740 cu ft)
1" Softwoods	1440BF	(120 cu ft)
2" Softwoods	3240BF	(270 cu ft)
3" Softwoods	5400BF	(450 cu ft)

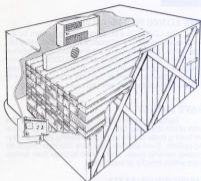
Ebac will be pleased to discuss your precise drying needs on a case-by-case basis.

PACKAGED SYSTEM

The LD3000 and two supplementary fans is all you need to start drying wood. The universal controller features a multi-stage temperature control. 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.

SPECIFICATION

Height:	33"	(820mm)
Width:	43"	(1070mm)
Depth:	12"	(290mm)
Weight:	167 lbs.	(76kg)
Airflow:	600CFM	(1028m ³ /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:	Universal 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.	



Ebac Lumber Dryers

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• Specifications are subject to change without notice •