



**nyle**  
DRY KILN SYSTEMS

# L300 L500 L1200

## Outstanding Performance and Price for Small to Mid-Size Operations

**Nyle's Dehumidification drying systems offer a better and more affordable way of drying lumber**

Nyle's L Series lumber dryers are designed for loads of 2,500 to 35,000 board feet. They are easy to use, and they give you precision control over your drying. You can achieve top quality results and short drying times with incredible efficiency.

With Nyle's dehumidification dryers you can dry your lumber down to 6-8% moisture content for pennies per board foot. They use 40% to 60% less energy than conventional kilns and when you add in all the costs involved they are dramatically more cost effective to operate than conventional and even solar kilns. There are many variables in cost and prices but typically the extra profit from the lumber dried by the Nyle L Series dryers pays for the entire investment in months!

All L Series packages include auxiliary heater, circulating fans, controls, prewired electric panel, automatic over-temperature vents, and ductwork. Everything you need, except the building itself.

The quality features that make Nyle the world leader in lumber drying:

- Heat Pump technology for maximum energy efficiency: Uses 40% - 60% less energy than conventional kilns
- Corrosion resistant epoxy coated aluminum cabinets and extra long life, specially coated dehumidification coils
- Precision control systems with electronic wet bulb/dry bulb controls, wet bulb tray, and wick assembly. Computer control options available.
- Famed Nyle customer support

In short, Nyle Dehumidification Kilns are superior to other types of kilns when it comes to operating costs, easy to use precision drying and reliability. To make your own detailed comparison, give us a call.

Manufactured by

**nyle**  
systems

To order, call 207 989 4335 or toll free: 800 777 6953; email us at [info@nyle.com](mailto:info@nyle.com); or look us up at [www.nyle.com](http://www.nyle.com).

**Questions? Call the Nyle experts for straight answers!**

At Nyle Systems, you get the straight answers you need from the same professionals that design and build your systems. We'll give you information on drying methods, answer your questions about servicing and maintaining the equipment, and provide expert advice in designing and building your kiln chamber. When you talk to a Nyle Systems expert, you're talking to someone who knows lumber drying and dehumidification systems from the ground up, someone who really understands the business.

We are the largest manufacturer of dehumidification drying systems in North America and we are dedicated to giving you the answers you need, whether it is your first call or if you have owned your system for 20 years.

So call us today and find out what real customer service is all about. Dial (207) 989 4335 or toll free: (800) 777 6953; or look us up at [www.nyle.com](http://www.nyle.com).

**Features and Specifications:**

| Spec                                                                           | L300                                                                                                                                     | L500                                                                                                   | L1200S                                                                                                  |
|--------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| Load Capacity*                                                                 | 2,500–8,000 Bd. Ft.                                                                                                                      | 4,000–15,000 Bd. Ft.                                                                                   | 10,000–35,000 Bd. Ft.                                                                                   |
| Nominal Water Removal                                                          | 420 Lbs. (191 kg) per day                                                                                                                | 720 Lbs. (327 kg) per day                                                                              | 1800 Lbs. (930 kg) per day                                                                              |
| Drying Time<br>Note: See introduction to kiln drying booklet for more details. | 7000 BF 4/4 Oak 68% to 7%, approximately 28 days,<br>2500 BF 1 inch Eastern White Pine, about 8 days.                                    | 12000 BF 4/4 Oak 68% to 7%, approximately 28 days,<br>4000 BF 1 inch Eastern White Pine, about 8 days. | 35000 BF 4/4 Oak 68% to 7%, approximately 28 days,<br>10000 BF 1 inch Eastern White Pine, about 8 days. |
| Operation Costs<br>Note: KWH estimates include compressors, fans and blowers   | Green oak 65% to 6%, approximately 450Kwh per 1,000 board feet<br>Green pine 80% to 10% - 12%, approximately 350Kwh per 1,000 board feet |                                                                                                        |                                                                                                         |
| Operating Temperature Range                                                    | 80°–160°F. (26°–71°C.)                                                                                                                   |                                                                                                        |                                                                                                         |
| Pitch Setting Temperature                                                      | Set at the highest temperature reached while drying or after drying                                                                      |                                                                                                        |                                                                                                         |
| Compressor Nominal HP                                                          | 3 hp hermetic                                                                                                                            | 5 hp hermetic                                                                                          | 15 hp serviceable hermetic                                                                              |
| Internal Blower Motor                                                          | 1                                                                                                                                        | 1.5                                                                                                    | 3                                                                                                       |
| Auxiliary Electric Heater**                                                    | 8 kW                                                                                                                                     | 12 kW                                                                                                  | 48 kW                                                                                                   |
| Circulating Fans ***                                                           | Three ½ hp 24" (61cm)                                                                                                                    | Five ½ hp 24" (61cm)                                                                                   | Four 2 hp 30"(75cm)                                                                                     |
| Reversing Fans                                                                 | Optional                                                                                                                                 | Optional                                                                                               | Standard                                                                                                |
| Over Temperature Vents                                                         | Two automatic                                                                                                                            | Two automatic                                                                                          | Two automatic                                                                                           |
| Number of Duct Risers                                                          | 1@14"x14" (35cm x 35cm)                                                                                                                  | 1@14"x14" (35cm x 35cm)                                                                                | 1@14"x14" (35cm x 35cm)                                                                                 |
| Power Requirements Volts/Phase/Hertz                                           | 220/1/60, 220/1/50 220/3/60, 220/3/50<br>460/3/60, 380/3/50<br>575/3/60                                                                  | 220/1/60, 220/1/50 220/3/60, 220/3/50<br>460/3/60, 380/3/50<br>575/3/60                                | 220/3/60, 220/3/50<br>460/3/60, 380/3/50<br>575/3/60                                                    |
| Dimensions (see drawing above)                                                 | A: 36" (91cm)<br>B: 44" (112cm)<br>C: 51" (130cm)<br>D: 19" (48cm)                                                                       | A: 44" (112cm)<br>B: 45" (114cm)<br>C: 51" (130cm)<br>D: 29" (74cm)                                    | A: 64" (163cm)<br>B: 66" (168cm)<br>C: 51" (130cm)<br>D: 39" (99cm)                                     |
| Warranty                                                                       | One year on material and workmanship. See complete warranty form for details.                                                            |                                                                                                        |                                                                                                         |
| Shipping Weight                                                                | 600 lbs.                                                                                                                                 | 850 lbs.                                                                                               | 1200 lbs                                                                                                |

\* For smaller systems, see the L200.

\*\* Systems are available with steam or hot water coils or with no auxiliary heat. Contact Nyle for details.

\*\*\* Nyle offers a wide variety of fan sizes and construction. Sizes and types can be altered to fit your specific job requirement.

Note: Standard fan housings are steel. Motors meet Nyle specs for kiln duty. Blades are steel or aluminum, other sizes and materials of construction available.

