

Dry Kiln Equipment Catalog



nyle
Dry Kilns

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L53

Quality lumber drying is now more affordable and easy to accomplish with Nyle's L53. The compact, high-performance dehumidification system will dry between 300 and 1000 board feet of lumber.

The L53 comes with two internal fans, kiln control, and a powered vent kit. Whether you are a serious hobbyist or an accomplished professional, the L53 delivers superb results load after load.



Starting at

\$3,995

Specifications

Load Capacity	For softwoods and fast drying hardwoods (Pine or Poplar) 300 - 400 BF For slow drying hardwoods (Oak) 1,000 BF
Nominal Water Removal	60 lbs (27 kg) per 24 hours
Drying Time	4/4 Green Pine - 80% to 8% in approximately 12 days. 4/4 Green Oak - 65% to 8% in approximately 35 days.
Drying Temperature Range	70° - 120° F (21° - 49° C)
Heat Treating Capabilities	Auxiliary heater can be used to set the pitch, sterilize the load (kill bugs) and for preheating. (up to 160° F)
Compressor Nominal HP	1/2 HP
Internal Blower Motors	2 Internal Fans; 50 watts each, 850 cfm
Auxiliary Heat	1,000 watts
Over Temperature Vents	One power vent system included (includes exhaust and intake)
Power Requirements	120V, 60 Hz, Dedicated 15A Required
Shipping Weight	175 lbs
Dimensions (H x L x W)	37 1/2" x 22" x 14 1/2" (base unit only)

L200

Nyle's L200 models allow you to dry your lumber down to 6-8% moisture content for pennies per board foot. These compact, high-performance dehumidification systems will dry between 1,500 and 4,000 board feet of lumber.

Available in two options, the L200S includes two circulating fans, kiln control, and a powered vent kit. While the L200M adds upgraded controls with moisture probes.



Starting at

\$7,495

Specifications

Load Capacity	For softwoods and fast drying hardwoods (Pine or Poplar) 1,500 - 2,500 BF For slow drying hardwoods (Oak) 4,000 BF
Nominal Water Removal	250 lbs (114 kg) per 24 hours
Drying Time	4/4 Green Pine - 80% to 8% in approximately 12 days. 4/4 Green Oak - 65% to 8% in approximately 35 days.
Drying Temperature Range	70° - 120° F (21° - 49° C)
Heat Treating Capabilities	Auxiliary heater can be used to set the pitch, sterilize the load (kill bugs) and for preheating. (up to 160° F)
Compressor Nominal HP	2 HP
Internal Blower Motors	1/3 HP; 1,800 cfm
Auxiliary Heat	4,000 watts
Circulating Fans	Two included: 16" 1/3 HP / 1,800 cfm
Over Temperature Vents	One power vent system included (includes exhaust and intake)
Power Requirements	240V single phase, 60 Hz, Dedicated 40A Required
Shipping Weight	380 lbs
Dimensions (H x L x W)	37" x 32 1/2" x 20 1/2" (base unit only)

L200 Pro

The L200PRO takes low-temperature, small kilns to a new level. Nyle's L200PRO model brings the same great technology and drying control as our large kilns. This high-performance dehumidification system offers four different operation modes; traditional DH, Hybrid DH, Heat Treating, and Dump Cycle.

The advanced controller sports an electronic dry bulb and wet bulb sensor. Data logging, scheduling, and remote access are also capable, thanks to the L200PRO's enhanced controls.

The L200Pro comes with four circulating fans, PRO control, and a powered vent kit.



Starting at

\$14,995

L200 Pro Controls

Four Modes of Operation



DH Mode

This mode is more suitable for drying slow drying hardwoods like oak. In this mode the kiln is controlled according to traditional DH operation.



Hybrid Mode

This mode is more suitable for faster drying species. In this mode the kiln is controlled more according to traditional / conventional drying practice.



Heat Treat Mode

In this mode when target temperature (settable) is reached and maintained for required time (settable) the kiln stops automatically.



Dump Cycle Mode

Dump cycle mode This will run a time based Heat, dump, rest cycle with multiple repeats to get thick slabs down from 15% to 8% or less.



Graphing

Complete list of graphs showing you everything from probe values to Heat Treatment & general process logs



Alarming

Catch issues before they become costly

L200 Pro Chamber Kit

The L200 Pro chamber features four fans and a power vent for intake and exhaust. Measuring 16 ft. wide by 8 ft. high, this chamber is capable of drying 3,000 - 4,000 BF of 4/4 green oak in 4 to 5 weeks.

This package includes an L200 Pro DH Unit, Pro control, four circulating fans, a powered vent kit, and a prefabricated chamber.



Starting at

\$44,995

Specifications

Number of Fans	4
Fan HP	1/3
Load Space	16' W x 4' D x 8' H
Maximum Chamber Capacity	4,000 board feet
Chamber Dimensions	16' 6" W x 8' 6" D
Chamber Construction	4" insulated aluminum
Power Requirements	240V single phase, 60 Hz, Dedicated 100A Required
Shipping Weight	2,000 lbs
Shipping Dimensions	11' 8" x 4"
Build Time	4 - 5 days



L200 Pro Container Kilns

The L200 Pro container kiln packages combine our well-known, high-quality drying systems with a 20 or 40 foot insulated shipping container and everything needed to make a top-quality drying kiln.

This package includes an L200 Pro DH Unit, Pro control, circulating fans, powered vent kit(s), and a container.



Starting at

\$52,995

Specifications

Container Size	20 ft	40 ft
Hardwood Capacity (oak)	2,300 board feet	4,000 board feet
Mid- Hardwood Capacity (mahogany)	2,000 board feet	2,000 board feet
Softwood Capacity (Pine)	1,500 board feet	1,500 board feet
Kiln Carts & Track	4 carts, 50' of track	8 carts, 90' of track
Number of Fans	4	8
Powered Vent Sets	1	2
Power Requirements	240V single phase, 60 Hz, Dedicated 100A Required	240V single phase, 60 Hz, Dedicated 120A Required
Shipping Weight	9,139 lbs	12,148 lbs
Shipping Dimensions	8' W x 20' D x 8.6' H	8' W x 40' D x 8.6" H



Dehumidification Kilns



Specifications

Unit	HT8	HT18	HT35
Load Capacity	4,000 - 15,000 BF	10,000 - 35,000 BF	15,000 - 50,000 BF
Nominal Water Removal (per day)	720 lbs (327 kg)	1,800 lbs (817 kg)	3,500 lbs (1,588 kg)
Drying Time	4/4 Green Pine 80% to 8% in approximately 8 days. 4/4 Green Oak 68% to 6% in approximately 28 days.		
Drying Temperature Range	80° - 160°F (26° - 71°C)		
Heat Treating Capabilities	Auxiliary heater can be used to set the pitch, sterilize the load (kill bugs) and for preheating.		
Compressor Nominal HP	5 HP	15 HP	25 HP
Internal Blower Motors HP	1.5 HP	3 HP	7.5 HP
Auxiliary Heat	12 KW	48 KW	96 KW
Over Temp Vents	Four (14"X16")	Four (14"X16")	Four (20"X20")
Circulating Fans	Six 1/2 HP 24"	Four 2 hp 30"	Standard sizes of 36", 48", and 60" available

Nyle's HT-Series makes drying lumber simple, allowing even inexperienced operators to produce high-quality lumber. Operating at up to 160° F, these units match the drying speeds of conventional kilns.

Each unit comes standard with; corrosion-resistant aluminum cabinets, coated dehumidification coils, stainless steel cold coils, and Nyle's easy-to-use precision control systems.

Each Kiln is made to order and can be fitted to your existing chamber or built with a new chamber to suit your operation.



Starting at

\$37,995

HT 54	HT84	HT108	HT162
24,000 - 80,000 BF	38,000-120,000 BF	49,000 - 150,000 BF	73,000 - 225,000 BF
5,400 lbs (2,450 kg)	8,400 lbs (3,810 kg)	10,800 lbs (4,899 kg)	16,200 lbs (7,348 kg)
4/4 Green Pine 80% to 8% in approximately 8 days. 4/4 Green Oak 68% to 6% in approximately 28 days.			
80° - 160°F (26° - 71°C)			
Auxiliary heater can be used to set the pitch, sterilize the load (kill bugs) and for preheating.			
40 HP	2 X 30 HP	2 X 40 HP	3 X 40 HP
10 HP	2 X 7.5 HP	2 X 10 HP	2 X 15 HP
96 KW	96 - 192 KW	96 - 192 KW	192 - 288 KW
Four (20"X20")			

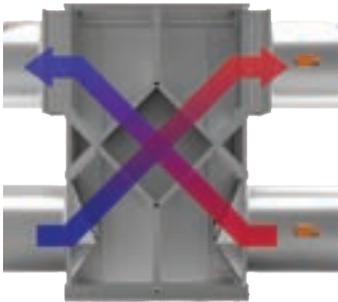
Standard sizes of 36", 48", and 60" available

Conventional Kilns

Capable of operating up to 250°F (120°C), our conventional kilns provide quality and economical options for those who live in an area with high electric costs or need a higher heat output. These systems are available in forklift or track kiln constructions and utilize precision controls and heat recovery venting to ensure superior efficiencies with top-quality results and shorter drying times.



Specifications



Heat Recovery Vent

All of our High Temperature kilns come equipped with our heat recovery venting system. Our HRV System offers a means to reclaim a portion of this lost heat. This process utilizes energy that would otherwise be wasted and minimizes the need for "reheating" while reducing overall fuel consumption by between 15-20%!



Precision Controls

Nyle has taken our 45 years of experience in the industry and created a control system that transforms how operators interact with their equipment. We set out two goals in mind; increase productivity and make the control easy to use.



Indirect-fired Gas

Our indirect-fired gas burners are a low-cost economical alternative in areas where the electricity costs are high. Although a little more expensive, we only use indirect-fired systems for their higher safety rating and level of quality control.

Steam & Hot Water

Our quality engineered steam coils provide a cost-effective and flexible option for all your drying needs. These systems properly maintain the temperature in the kiln and boast the ability to be used for lumber drying.



High Temperature Kilns

Our High Temp track kilns are perfect for drying your Southern Yellow Pine, Poles, & Timbers. This system's 250°F operating capacity gives you the ability to dry in as little as three days with top-quality results. All of our High Temp systems offer turn-key installation with continued support from our legendary service department.

Camden Dry Kiln Kits

Medium-sized kiln operations now have a better option. Nyle has created a set of easy-to-assemble kiln packages that include a chamber with a dehumidification system sized to meet your lumber drying needs.

Designed to the same standards as our larger custom kilns, These kits are semi-assembled packages that can be easily erected on your site. Depending on the size of the chamber, these kits can be installed in about five days with a two-three man crew.

*Camden-15 also available in a gas version.



Starting at

\$165,995

Specifications

	<i>Camden - 8</i>		<i>Camden - 15</i>	
Chamber Dimensions	19'W x 20'D x 10' 6" H		27'W x 20'D x 12' H	
Load Space	19'W x 16'D x 10' 6" H		27'W x 16'D x 12' H	
Drying Temperature	Up to 160 °F		Up to 160 °F	
Approximate Capacity	8,000 - 10,000 BF		12,000 - 20,000 BF	
Equipment	HT 8		HT8	HT18
Auxiliary Heat	12 kW		12kW	48 KW
Compressor Nominal HP	5 HP		5 HP	15 HP
Internal Blower Motors	1.5 HP		1.5H	3HP
Over Temperature Vents	Four (14" x 16")		Four (14" x 16")	
Circulating Fans	Six 1/2 HP 24"		Six 1/2 HP 24"	
Power Requirements	460V / 3Φ / 60 Hz Dedicated 70 A Required		460V / 3Φ / 60 Hz Dedicated 70 A Required	460V / 3Φ / 60 Hz Dedicated 150 A Required

NDK-R Controls

The NDK-R controls package was designed for kiln operators by kiln operators and is capable of being installed on any kiln from any manufacturer. Our newest platform encompasses the company's goals of creating energy-efficient solutions for kiln drying, all while applying advanced functionality to reduce drying time without compromising quality.

The NDK-R platform builds off of our years of experience controlling kilns and supports the following control modes to allow kiln operators to choose the preferred drying method on a per species basis:



Starting at

\$7,900

Operation Modes

DH Mode

This mode is more suitable for drying slow-drying hardwoods like oak. In this mode, the kiln is controlled according to traditional DH operation.

Conventional Mode

This mode utilizes a controlling dry bulb for temperature control and a wet bulb reading for venting the kiln or adding moisture.

Heat Treating Mode

In this mode, when the target temperature (settable) is reached and maintained for the required time (settable), the kiln stops automatically.

Hybrid Mode

This mode is more suitable for faster drying species. In this mode, the kiln is controlled more according to traditional/conventional drying practice while using a dehumidifier.

Dump Cycle Mode

Dump cycle mode This will run a time-based Heat, dump, and rest cycle with multiple repeats to get thick slabs down from 15% to 8% or less.



Atomizing Spray System

Nyle has created an Atomizing Spray System, which adds humidity into the air inside a kiln chamber.

During a kiln drying cycle, vents and dehumidification systems are used to remove moisture from a kiln chamber, allowing the moisture from the wood to be removed.

A certain relative humidity or wet-bulb depression is always trying to be accomplished in order to dry each load of wood properly. If moisture in a chamber is removed too quickly, it can deteriorate a load of wood being dried.

Another reason for Nyle's Atomizing Spray System is for wood conditioning. During wood conditioning, moisture is added back to the surface of the wood at the end of the drying process to help reduce any stresses in the wood from the drying process.

The High-Pressure Spray System increases the wet bulb and maintains temperature while reducing the demand on a boiler as well as the need for boiler chemicals and make-up water.



Starting at

\$8,500



Specifications

Water Flow Rate	3.5 GPH per nozzle at 500 PSI
Number of nozzles	5-10 nozzles per bay
Unit Kiln Capacity	Each unit serves 2 kilns
Motor HP	3 HP
Dimensions	40" W x 24" D x 38" H
Weight	150 lbs
Power Requirements	480V three-phase 60Hz, 15A

Heat Recovery Vent

Nyle's focus has always been to support all Kiln owners and improve efficiency and productivity in lumber drying.

Heat loss through venting is one of the most notable downfalls of a conventional kiln. With venting necessary to remove the excess moisture, you are stuck with a considerable energy expenditure. This heat expenditure can significantly decrease your efficiency, increase your energy costs, and decrease degrade.

Our dynamic heat exchangers help recover energy lost during the drying process by transferring a large portion of the outgoing vented air's energy to the incoming air. This process utilizes energy that would otherwise be wasted, minimizing the need for "reheating" and reducing overall fuel consumption by a minimum of 15%.

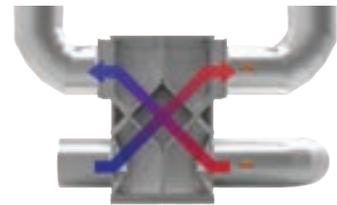


Starting at

\$26,995

Specifications

Unit	HRV 5000
Venting Capacity	5,000 CFM
Estimated Energy Savings	Saves up to 80% of Lost Heat
"Winter" Capacity (55°, 70% RH ambient)	305,502 BTU/hr
"Summer" Capacity (95°, 47% RH ambient)	116,568 BTU/hr
Intake/Exhaust Fan HP (at 1,800 RPM)	6 HP total with VFD
Static Pressure	2" (at 5,000 CFM)
Power Requirements	480V three phase, 30A
Venting BF Capacity (slow drying hardwoods)	60 MBF
Venting BF Capacity (mid-grade hardwoods)	40 MBF
Venting BF Capacity (fast drying softwoods)	20 MBF



Heat Treating Systems

Nyle has developed a Heat Treating System that is adaptable, efficient, and easy to operate. A Nyle Heat Treater can handle anything from pallets to firewood wood. The innovative flexible design of these units make modification and expansion easy when regulations or your needs change.

The chambers are fabricated from a 40' refrigerated shipping container and contains everything that you need to start heat treating. All our systems are outfitted with our indirect gas fired furnaces burning either natural gas or propane for high temperature heat treating and/or extended drying capabilities. Our systems are safer, more efficient and doesn't require a boiler.

Nyle offers systems manufactured with the highest quality materials to ensure that your time is spent making money, not repairs.



Starting at

\$44,995

Specifications

Load Capacity	350 Pallets / 6-8 Cords
BTUh	800,000
Number of Fans	One 36" 7.5 Hp
Number of Vents	Two duct vents
Dimensions	8' W x 46' 3 1/4" D x 13' 8 5/16" H
Power Requirements	480V three-phase 60Hz,



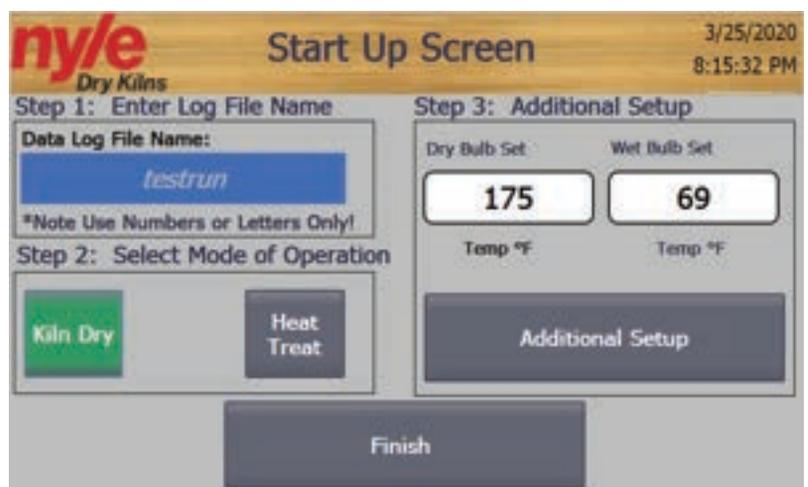


Controls

Our Heat Treating control system provides you with all the tools to ensure proper and efficient heat treating every cycle.

The control systems allows for full control over the set-points and climate during the cycle even automatically turning off the equipment when heat treating has been completed.

Automatic recording allows the user to generate printable reports for certification and shipping requirements.



The Kiln Store

When you buy a kiln from Nyle you are not only getting the kiln, you are also receiving the famed Nyle Customer Support, which is rated to be the best in the business. At Nyle's Kiln Store you can find everything needed to run your kilns. Parts, supplies, and equipment to customize and modify your kiln, even if it is not made by Nyle.

If there is something you are looking for that is not listed, give us a call. We would be happy to assist you as we offer many more products not listed on our kiln store.



Looking for kiln parts?

- Kiln Drying Equipment
- Carts
- Doors
- Door Kits
- Fans
- Gaskets
- Spray Systems
- Vents
- Kiln Replacement Parts
- Electrical
- Motor Starters
- Gas Heaters
- Electric Heaters
- Belts
- Blower Wheels
- Distributor
- Filters
- Replacement Coils
- Valves
- Motor Accessories
- Controls
- Moisture Meters
- Moisture Probes
- Cables
- Sensors
- Sleeves
- Wicks

Visit The Kiln Store



Kiln Services

Nyle's Kiln Services is a multi-faceted program for sawmills that combines a full kiln audit with a customized expert training, continued support and advanced services designed to maximize each kiln to the highest rate of efficiency and lowest cost of operation.

We believe that all companies want to improve and can improve but don't always have a way to make it happen. Nyle is ready to help and up for the challenge.



What's Included





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