

SPECIFICATIONS

LARGE KILNS



NOVA DRY KILN MODEL	AVERAGE 4/4 (25MM) BOARD CAPACITY	AVERAGE 8/4 (50MM) BOARD CAPACITY	PACK DEPTH	ENTRY WIDTH	INTERIOR DEPTH	INTERIOR HEIGHT
KDK-18DS	15,713 bd. ft. (37 cub. m.)	20,548 bd. ft. (48 cub. m.)	4' (1.22 m.)	22 ft. (6.70 m.)	21 ft. 6 in. (6.55 m.)	17 ft. 6 in. (5.33 m.)
KDK-18N	19,094 bd. ft. (45 cub. m.)	24,970 bd. ft. (59 cub. m.)	4' (1.22 m.)	26 ft. (7.92 m.)	21 ft. 6 in. (6.55 m.)	17 ft. 6 in. (5.33 m.)
KDK-18EXT	20,885 bd. ft. (49 cub. m.)	27,311 bd. ft. (64 cub. m.)	4' (1.22 m.)	28 ft. (8.53 m.)	21 ft. 6 in. (6.55 m.)	17 ft. 6 in. (5.33 m.)
KDK-18EXT-P	26,255 bd. ft. (62 cub. m.)	34,333 bd. ft. (81 cub. m.)	4' (1.22 m.)	34 ft. (10.4 m.)	21 ft. 6 in. (6.55 m.)	17 ft. 6 in. (5.33 m.)
KDK-25DDS	16,973 bd. ft. (40 cub. m.)	22,195 bd. ft. (52 cub. m.)	4' - 8' (1.22 - 2.44 m.)	18 ft. (5.49 m.)	25 ft. 8 in. (7.82 m.)	17 ft. 6 in. (5.33 m.)
KDK-25DS	20,951 bd. ft. (49 cub. m.)	27,397 bd. ft. (65 cub. m.)	4' - 8' (1.22 - 2.44 m.)	22 ft. (6.70 m.)	25 ft. 8 in. (7.82 m.)	17 ft. 6 in. (5.33 m.)
KDK-25N	25,459 bd. ft. (60 cub. m.)	33,293 bd. ft. (79 cub. m.)	4' - 8' (1.22 - 2.44 m.)	26 ft. (7.92 m.)	25 ft. 8 in. (7.82 m.)	17 ft. 6 in. (5.33 m.)
KDK-25EXT	27,846 bd. ft. (66 cub. m.)	36,414 bd. ft. (86 cub. m.)	4' - 8' (1.22 - 2.44 m.)	28 ft. (8.53 m.)	25 ft. 8 in. (7.82 m.)	17 ft. 6 in. (5.33 m.)
KDK-25EXT-P	35,000 bd. ft. (83 cub. m.)	45,778 bd. ft. (108 cub. m.)	4' - 8' (1.22 - 2.44 m.)	34 ft. (10.4 m.)	25 ft. 8 in. (7.82 m.)	17 ft. 6 in. (5.33 m.)
KDK-33DS	27,934 bd. ft. (66 cub. m.)	36,530 bd. ft. (86 cub. m.)	4' - 8' (1.22 - 2.44 m.)	22 ft. (6.70 m.)	28 ft. 8 in. (8.74 m.)	21 ft. 9 in. (6.63 m.)
KDK-33N	33,946 bd. ft. (88 cub. m.)	44,390 bd. ft. (105 cub. m.)	4' - 8' (1.22 - 2.44 m.)	26 ft. (7.92 m.)	28 ft. 8 in. (8.74 m.)	21 ft. 9 in. (6.63 m.)
KDK-33EXT	37,128 bd. ft. (88 cub. m.)	48,552 bd. ft. (115 cub. m.)	4' - 8' (1.22 - 2.44 m.)	28 ft. (8.53 m.)	28 ft. 8 in. (8.74 m.)	21 ft. 9 in. (6.63 m.)
KDK-33EXT-P	46,675 bd. ft. (110 cub. m.)	61,037 bd. ft. (144 cub. m.)	4' - 8' (1.22 - 2.44 m.)	34 ft. (10.4 m.)	28 ft. 8 in. (8.74 m.)	21 ft. 9 in. (6.63 m.)
KDK-42DS	34,918 bd. ft. (82 cub. m.)	45,662 bd. ft. (108 cub. m.)	4' - 6' (1.22 - 1.83 m.)	22 ft. (6.70 m.)	32 ft. 10 in. (10.0 m.)	21 ft. 9 in. (6.63 m.)
KDK-42N	42,434 bd. ft. (100 cub. m.)	55,488 bd. ft. (131 cub. m.)	4' - 6' (1.22 - 1.83 m.)	26 ft. (7.92 m.)	32 ft. 10 in. (10.0 m.)	21 ft. 9 in. (6.63 m.)
KDK-42EXT	46,410 bd. ft. (109 cub. m.)	60,690 bd. ft. (143 cub. m.)	4' - 6' (1.22 - 1.83 m.)	28 ft. (8.53 m.)	32 ft. 10 in. (10.0 m.)	21 ft. 9 in. (6.63 m.)
KDK-42EXT-P	58,344 bd. ft. (137 cub. m.)	76,296 bd. ft. (180 cub. m.)	4' - 6' (1.22 - 1.83 m.)	34 ft. (10.4 m.)	32 ft. 10 in. (10.0 m.)	21 ft. 9 in. (6.63 m.)
KDK-52DS	43,648 bd. ft. (103 cub. m.)	57,078 bd. ft. (135 cub. m.)	4' - 6' (1.22 - 1.83 m.)	22 ft. (6.70 m.)	35 ft. 8 in. (10.9 m.)	26 ft. (7.92 m.)
KDK-52N	53,040 bd. ft. (125 cub. m.)	69,360 bd. ft. (164 cub. m.)	4' - 6' (1.22 - 1.83 m.)	26 ft. (7.92 m.)	35 ft. 8 in. (10.9 m.)	26 ft. (7.92 m.)
KDK-52EXT	58,013 bd. ft. (137 cub. m.)	75,863 bd. ft. (179 cub. m.)	4' - 6' (1.22 - 1.83 m.)	28 ft. (8.53 m.)	35 ft. 8 in. (10.9 m.)	26 ft. (7.92 m.)
KDK-52EXT-P	72,930 bd. ft. (172 cub. m.)	95,370 bd. ft. (225 cub. m.)	4' - 6' (1.22 - 1.83 m.)	34 ft. (10.4 m.)	35 ft. 8 in. (10.9 m.)	26 ft. (7.92 m.)
KDK-52EXT-P2	88,953 bd. ft. (210 cub. m.)	104,690 bd. ft. (247 cub. m.)	4' - 6' (1.22 - 1.83 m.)	42 ft. (12.8 m.)	35 ft. 8 in. (10.9 m.)	26 ft. (7.92 m.)
KDK-62N	63,648 bd. ft. (150 cub. m.)	83,232 bd. ft. (196 cub. m.)	6' - 8' (1.83 - 2.44 m.)	26 ft. (7.92 m.)	41 ft. (12.5 m.)	26 ft. (7.92 m.)
KDK-62EXT-P	87,516 bd. ft. (206 cub. m.)	114,444 bd. ft. (270 cub. m.)	6' - 8' (1.83 - 2.44 m.)	34 ft. (10.4 m.)	41 ft. (12.5 m.)	26 ft. (7.92 m.)
KDK-62EXT-P2	106,744 bd. ft. (252 cub. m.)	125,628 bd. ft. (296 cub. m.)	6' - 8' (1.83 - 2.44 m.)	42 ft. (12.8 m.)	41 ft. (12.5 m.)	26 ft. (7.92 m.)

LARGE KILNS

DECREASE DEGRADE — UPGRADE PROFITS!

**NEW
TIMBER-DRY
MANAGEMENT
CONTROLS!**



At Nova Dry Kiln, formerly Koetter Dry Kiln, we strive to provide a complete drying solution for our primary and secondary woodworking industry clients. Nova's Large Kilns range from 10,000 to 120,000 board feet chambers. Our "kinder, gentler" method of drying lumber dramatically reduces the lumber's degrade and maintains the time parameters of conventional kiln schedules. We have designed our large kilns to surpass new regulations, as well as consumer requirements, for kilns that decrease degrade and reduce waste. This design translates to maximum efficiency and improved financial results for the plant. All Nova kilns are of the highest quality, longevity, and operational economy, plus they are the easiest to use. We can provide turnkey construction services along with startup assistance as part of our overall drying solution. Contact our technical staff today to discuss the best drying solution for your facility!



DESIGNED FOR WOODWORKERS, BY WOODWORKERS.

LARGE KILNS

10,000 TO 120,000 BOARD FEET



TIMBER-DRY MANAGEMENT CONTROL SYSTEM

Nova Dry Kiln's new Timber-Dry Management Control System utilizes state-of-the-art instrumentation that takes kiln drying into the 21st century. This control system is so intelligent that there is no longer a need for constant monitoring. By providing an easy to use and flexible operator interface, the kiln operator ultimately determines the drying recipe for the lumber to be dried. The Timber-Dry Management Control System provides more information about the drying process, which leads to greater control over it, yielding increased quality.



Standard Features

- Timber-Dry Management Control System
- Overhead door design
- Aluminum interior
- 1/8" aluminum side wall bumpers
- Embossed steel exterior
- High R-Factor pre-insulated panels
- Circulating fan wall
- Standard horsepower heat and exhaust
- Single/Dual Powered Variable Exhaust System
- Free lifetime technical support
- Adjustable overhead tarp baffle
- Maximum sustainable kiln temperature of 160°F
- Normal operating temperature of 90°-140°F (30°-60°C)
- Access door to inspect the lumber
- Detailed assembly instruction manual

Options

- Steam conversion capability
- Pallet heat treat controls
- Hot Water Floor Heating System
- Wood waste or natural gas hot water boiler
- Boiler connection kit
- Wood waste automatic feed system
- Heated control room
- High horsepower heat and exhaust
- Different voltages
- Door opening system
- Indoor installation
- Construction supervision services
- Turnkey construction services
- Start-up services

TIMBER-DRY MANAGEMENT CONTROL SYSTEM

Standard Features

- Preprogrammed drying procedures
- The ability to program custom drying schedules
- The capability to manipulate or suspend the drying schedule as it executes
- Maintains a record of process variables that can be exported to Microsoft Access or Excel such as
 - wet bulb temperature
 - dry bulb temperature
 - exhaust setting
- Frequent wet bulb measurements
- Continuous dry bulb measurements
- Automatic control of floor temperature based on dew point to eliminate condensate

- Operator interface shows the drying sequence as it is executed in real time
- Multiple kiln operation is possible through one operator interface

Benefits

- Reduced drying time (up to 3 days per kiln charge vs. manual method.)
- Increased drying efficiency due to a faster response time and shorter drying cycles
- Reduced kiln operator interface time since the control system is doing all the work
- Drying history data enables quality assurance and tracking

