

Bell-Lift

Bell-Lift Square & Rectangular Kilns

Bell-Lift kilns are ideal for large, hard to load work or to make loading easy.

- **Unique Bell-Lift design**
- **Super-Strong welded steel bell-lift structure supports heavy loading - and bolts together for easy assembly**
- **Electric Chain Hoist included**
- **Square or Rectangular**
- **Hard Ceramic Element Holders protect brick and make element changes fast and easy**
- **Dynamic Zone Control keeps temperatures uniform throughout kiln**
- **Remote Floor Standing Panel protects electronics and makes servicing easy**
- **Protected Thermocouples**
- **Customize to meet your exact needs. *Every kiln is built to order***



Unique L&L Features with Lasting Benefits

CONE 10 RATING FOR ALL MODELS

Cone 10, 2350°F, 1290°C

3" K23 FIREBRICK INSULATION

3" K23 firebrick for all models.

PATENTED CERAMIC ELEMENT HOLDERS

Protect brick from loading damage, keep elements from falling out of grooves, make changing elements easy, and optimize heat transfer to load. Kiln lasts longer! No pins. (hotkilns.com/ceramic-holders)



HEAVY-DUTY LARGE ELEMENTS

Heavy-duty. Three elements per section. *Quad elements, which increase the element wire by having four rows of elements per section, are optional on all models. See Page 7.*

EXTRA CASE CLAMPS

Stainless worm gear case clamps keep case together and allow for adjustment over time. Three per 9" section, Two on the top and bottom. (hotkilns.com/case-clamps)

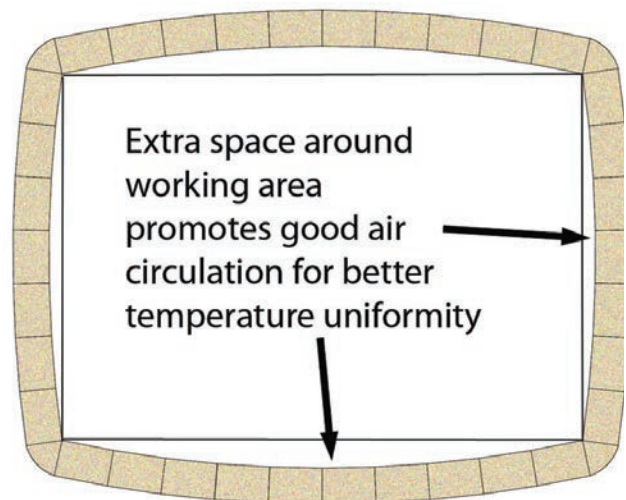


SOLID PEEPHOLE PLUGS

Solid (non-fragile) ceramic plug with heat-locked mushroom head. 1" diameter full-view non-tapered. (hotkilns.com/peephole-plugs)

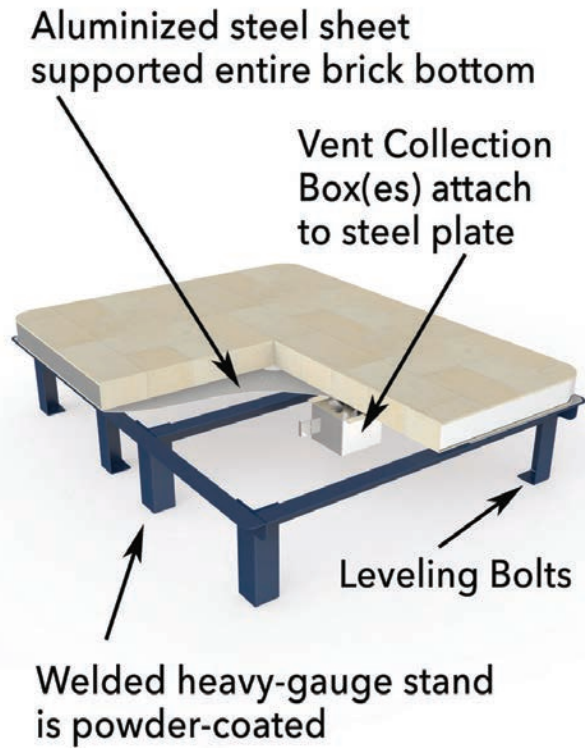


ARCHED SIDES



HEAVY-DUTY FULL-SUPPORT STAND

(hotkilns.com/full-stand)



CERAMIC FIBER ROOF

2600 Deg F Ceramic Fiber modules are attached to an integrated powder-coated lid that is part of the bell-lift system. Warning: Refractory ceramic fiber has hazards associated with its use. The RCF fiber is only intended for industrial use in production facilities.

BOLT TOGETHER CONSTRUCTION

The unique design of the L&L Bell-Lift kilns is made from heavy-gauge fabricated precision sheet metal. All components bolt together which makes shipping and reassembly very easy. (A forklift is required to do the reassembly). All metal parts are corrosion resistant - either stainless steel, galvanized steel or powder-coated steel.

ELECTRIC CHAIN HOIST

An electric hoist with a pendant operator lifts the kiln up and down. The wire rope and pulley system reduces the speed and keeps the load forces within safe limits. Safety pins prevent kiln from falling when in loading position

SEPARATE COOL-FIRING CONTROL PANEL



All controls and components are mounted in a separate control panel that floor mounted. Cords from the kiln sections plug into the panel. There is an air space between the panel and the kiln which keeps the controls cool - which is critical for long term health of the electronics. (hotkilns.com/davinci-panel)

CERAMIC ELEMENT CONNECTIONS



Proprietary all-ceramic element connection block makes changing elements easy. Terminal hardware allows you to get good contact with the element with minimal effort. (hotkilns.com/ceramic-terminal)

EASY MULTI-PROGRAM DYNATROL

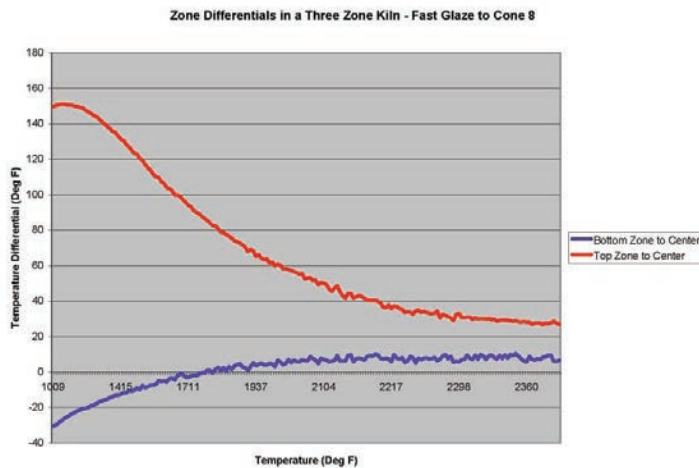


The time-tested DynaTrol with 4 Easy-Fire programs, 6 Vary-Fire programs, PreHeat, Delay, Program & Segment Review, and Diagnostics. **Optional Genesis control (see page 8) features touch screen and free**

Wifi App for monitoring kiln. (hotkilns.com/dynatrol)

DYNAMIC ZONE CONTROL

This is a *standard* feature with either a DynaTrol or touch-screen Genesis control. The control separately measures temperatures in the bottom, middle, and top of the kiln and automatically adjusts the heat of two or three zones during the firing. Kiln temperatures are automatically equalized to within 1/2 cone or better. Zone control automatically compensates for many loading issues and element resistance changes. Additionally, L&L kilns are fundamentally uniform because the element holders radiate the heat more evenly. **(hotkilns.com/zone-control)**



MERCURY FREE RELAYS

Mercury free relays are standard. See Page 7 for optional electronic Solid State Relays (SSRs) for extra long element life and quiet operation.

HEAVY-GAUGE TYPE K THERMOCOUPLES

Type K 8 gauge thermocouple is protected by a open ceramic protection tube. This allows the thermocouple to accurately read the kiln temperature but



protects the delicate tip of the thermocouple from damage while loading. Also any metallic flakes from the thermocouple will tend to drop inside the tube where they can be vacuumed out during normal maintenance. **(hotkilns.com/protected-thermocouples)**

DIRECT WIRING

All DaVinci kilns are direct wired.

COMPLETE VISUAL INSTRUCTIONS

No one has a better or more complete instruction manual. Our visual instructions address the needs of the artist, the installer, and the repair person. You get a fully illustrated operation and service manual. Many instructional videos are available. **(hotkilns.com/videos)**

L&L KILNS ARE EASY TO TROUBLESHOOT

Open up any L&L kiln control panel and see how easy it is to check amps, element resistance, and voltage. No other kiln can be serviced as quickly, easily, or inexpensively as an L&L kiln.

2-YEAR COMMERCIAL LIMITED WARRANTY

See **hotkilns.com/commercial-warranty**. Email, web and phone support.

IN-DEPTH SUPPORT

One customer said: "I am truly impressed with your website, it is more than informative and your products are well designed. The fact that all the information, including repair manuals, are listed, speaks well of your dedication to customer service." Our website has thousands of pages of technical help - all easily searchable - plus we provide expert support with phone and email.

SUSTAINABLE MANUFACTURING

We use solar energy as our primary energy source.

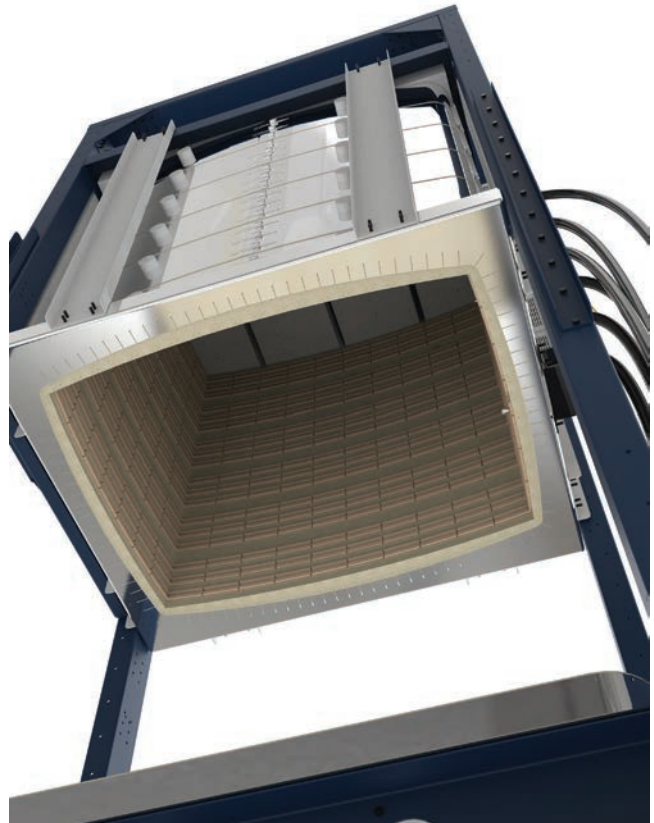
SUPERIOR PACKAGING

Kilns are securely packed on two separate skids. The kilns gets split in the center of the structure so that the height of the crates is minimized for easy and economical shipping.

MET UL499 LISTING



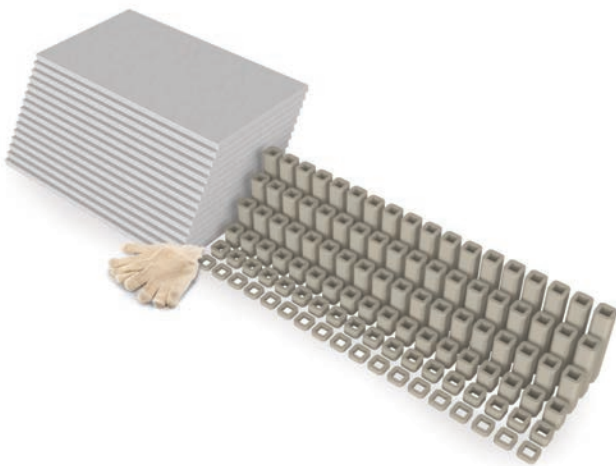
All models that are 27", 36" or 45" high are c-MET-us listed to UL499 standards. Models that are 54" high are made to the same standards but are not listed. (hotkilns.com/met)



Options & Accessories

CONE 11 FURNITURE KITS

Shelves are high alumina cone 11 shelves. Each post kit includes six each 1/2", 1", 2", 4", 6" and 8" high square (1.5" x 1.5") cordierite posts. Some kits come with two post kits (see specification pages). All furniture kits include one pair heat-resistant gloves. (hotkilns.com/kiln-furniture)



QUAD ELEMENT DESIGN

The combination of 1/2" diameter element coils, the doubled surface area of the Quad element design, and superior heat transfer of L&L's patented ceramic element holders, make this the best element system in the world today. (hotkilns.com/quad-option)



APM ELEMENTS

Special sintered alloy provides the ultimate in element life. The special sintered alloy inhibits grain growth and resistance change in the elements. (hotkilns.com/apm)

HIGH HEARTH

All models except the 54" X3254-BL and T3454-BL can be ordered with an extra high (21.5") hearth for more ergonomic loading.



More Control & Power Options

TYPE S THERMOCOUPLES

The best thermocouple for constant high fire applications. No thermocouple drift. Priced per thermocouple. Note that kilns with four or more sections still only have a three zone control.

(hotkilns.com/type-s)

PYROCIL SHEATHED THERMOCOUPLES

For greater sensitivity to temperature change. Use below 2200°F for sensitivity (glass is a good example). Priced per thermocouple. These are useful for sensitive industrial applications.

(hotkilns.com/pyrocil-tc)

SOLID STATE RELAYS

Industrial Grade Solid State Relays are quiet and result in longer element life because the switching time is so fast the elements don't expand and contract as much. The whole system includes extra large heat sinks, special fast acting fuses, cooling fan and extra safety relays. c-MET-us listed option.

(hotkilns.com/ssr)

HIGH LIMIT BACK UP CONTROL

Bartlett High Limit Control with latching relay acts as a back up to the main control. If the main control fails for any reason then this acts as a "back stop" and shuts the kiln down.

(hotkilns.com/high-limit)

BACK UP CONTACTORS

Actuated by the High Limit Back Up Digital Control, back up contactors are completely redundant power contactors so that if one or more contactors fail in a closed position, then the kiln still cannot climb above the High Limit set point. (hotkilns.com/high-limit)

120 VOLT POWER SUPPLY

If there are problems with short power outages, voltage spikes, voltage drops, or excessive environmental line noise, this can cause unpredictable behaviour in the electronic control. With this option the control is powered by a separate 120 volt line (with a standard 6 foot long cord) and that voltage is filtered through an EMI (Electrical Magnetic Interference) noise filter. (hotkilns.com/noise)

NEMA1 CONTROL PANEL



These are typically used for 480 volt models. They include integrated panel stand legs.

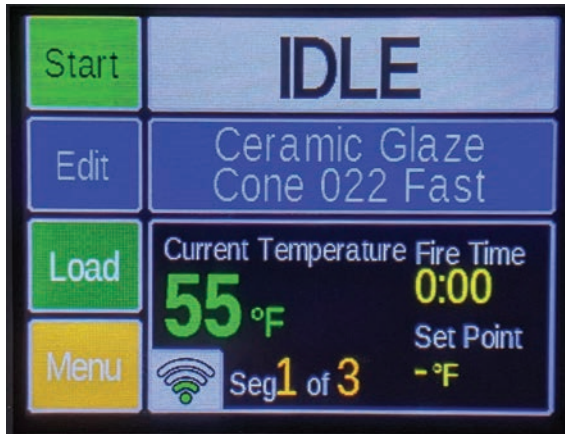
480 VOLT OPTION

Available on all DaVinci kilns. The typical wiring is to use a floating Wye system and run the elements on 277 volts. However, on the quad models there are two 240 volt elements in series. The amperage ratings of those models are slightly different. Check on the website for details.

Genesis Touch Screen Control with App

GENESIS TOUCH SCREEN CONTROL

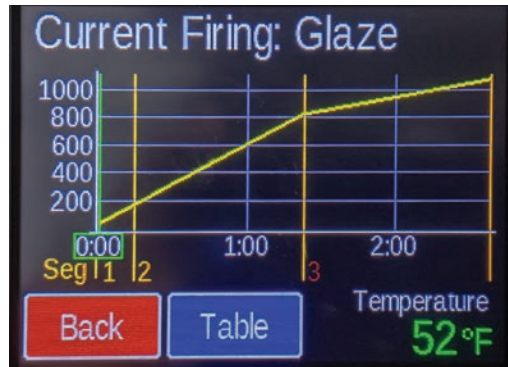
The Genesis control includes a touch screen interface and WIFI connectivity added to the proven software of the DynaTrol. More programming options and memory. Free App available to monitor kiln via WiFi. (hotkilns.com/genesis)



GENESIS FEATURES

- Touch-screen intuitive technology for easy user interface.
- Easy-to-follow screen descriptions.
- Different user-interface levels, which can be set to match the user's firing knowledge.
- Graphical display of the firing process right at the controller. This means you can graph the firing in real time and compare the program with actual results.
- Glass programs included.
- Store up to 30 custom user programs.
- Up to 32 segments per program.
- Ability to make adjustments during a firing such as add segments, add temperature, and skip segments.
- Built in diagnostics testing
- Alarm
- Error Codes
- WiFi enabled for easy software updating.
- Included Phone App allows you to monitor kiln operation remotely (with no subscription fee).

The Genesis control fits right into the control box to replace the DynaTrol. That means you can upgrade anytime!



See a graph of your firing before you fire, while you fire and after you fire.

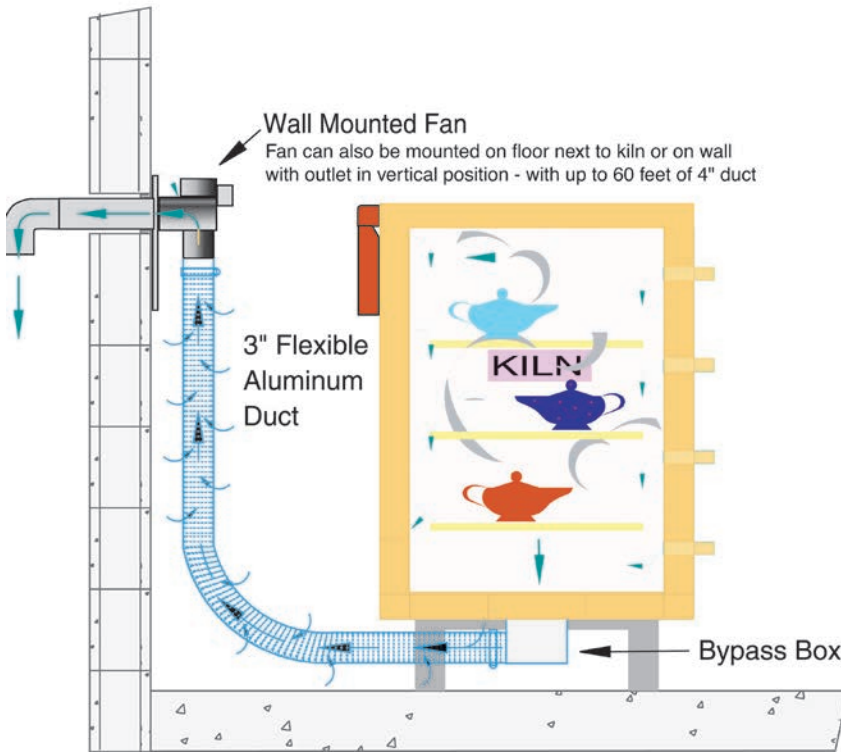


This shows the view you get on your phone with the Kiln Aid Phone app. Simply download the Kiln Aid phone app from your Google Play Store or Apple App Store, add your kiln, and begin monitoring as your kiln progresses through a firing. See temperatures, where you are in a program cycle, what program you are firing and error notifications.

Ventilation Options & Accessories

DOWNDRAFT VENT SYSTEM

Vent-Sure downdraft vent vents fumes from kiln out of room and away from kiln. (hotkilns.com/vent)



VENT CONTROL

Allows vent to be controlled with an event switch in the DynaTrol or Genesis. (For use with one kiln.) (hotkilns.com/vent-control)



HOW MANY VENTS?

We recommend one vent for kilns that are 25 cubic feet or less and two vents for kilns that are 25 cubic feet or more. See the specification pages for cubic feet specifications.

VENT-SURE FEATURES

- Downdraft venting pulls air down to bottom of kiln
- Improves temperature uniformity inside the kiln
- Powerful 130 CFM fan motor, typically mounted on wall, allows fumes to be under vacuum in your studio
- The strong fan motor helps overcome static pressure in long exhaust lines. The duct may be up to 60 feet in length, and include up to four 90° bends
- 120 volts with on/off switch on cord (240 volts available)
- 15 foot long flexible aluminum duct
- Bypass collection box mounted on kiln allows adjustment of venting.
- Fan motor, mounted away from the kiln, stays cool and no vibration is transmitted to the kiln
- The included Multi-Mounting Bracket allows you to mount the vent on the floor or, alternately, to mount the vent on a wall so that the output of the vent is pointing up.
- Three-year Limited Warranty
- c-MET-us Listed to UL499 standards for use on c-MET-us L&L Kilns



Electrical Specifications for X3200-BL Series (USA)

Standard Models							Powered Bottom Models				
Model Number	Part Number	Volt/Phase	Watts	Amps	Wire Size	Fuse Size	Part Number	Watts	Amps	Wire Size	Fuse Size
X3227-BL-240	K-C-3227/31	240/1P	18,039	75.2	1 ga	100	K-C-322P/31	22,047	91.9	1/0	125
X3227-BL-240-3P	K-C-3227/32	240/3P	18,039	43.4	6 ga	60	K-C-322P/32	22,047	58.5	3 ga	80
X3227-BL-208	K-C-3227/21	208/1P	18,039	86.7	1 ga	110	K-C-322P/21	22,047	106.0	3/0	150
X3227-BL-208-3P	K-C-3227/22	208/3P	18,039	50.1	4 ga	70	K-C-322P/22	22,047	67.4	2 ga	90
X3227-BL-480-3P	K-C-3227/62	480/3P	18,039	21.7	10 ga	30	K-C-322P/62	22,047	28.9	8 ga	40
XB3227-BL-240	K-C-322B/31	240/1P	21,294	88.7	1/0	125	K-C-322W/31	26,026	108.4	3/0	150
XB3227-BL-240-3P	K-C-322B/32	240/3P	21,294	51.2	4 ga	70	K-C-322W/32	26,026	69.0	2 ga	90
XB3227-BL-208	K-C-322B/21	208/1P	21,294	102.4	3/0	150	K-C-322W/21	26,026	125.1	4/0	175
XB3227-BL-208-3P	K-C-322B/22	208/3P	21,294	59.1	3 ga	80	K-C-322W/22	26,026	79.6	1 ga	100
XB3227-BL-480-3P	K-C-322B/62	480/3P	21,294	25.6	8 ga	40	K-C-322W/62	26,026	34.2	6 ga	50
X3236-BL-240	K-C-3236/31	240/1P	24,052	100.2	3/0	150	K-C-323P/31	28,060	116.9	3/0	150
X3236-BL-240-3P	K-C-3236/32	240/3P	24,052	66.3	2 ga	90	K-C-323P/32	28,060	79.7	1 ga	100
X3236-BL-208	K-C-3236/21	208/1P	24,052	115.6	3/0	150	K-C-323P/21	28,060	134.9	4/0	175
X3236-BL-208-3P	K-C-3236/22	208/3P	24,052	76.5	1 ga	100	K-C-323P/22	28,060	91.9	1/0	125
X3236-BL-480-3P	K-C-3236/62	480/3P	24,052	28.9	8 ga	40	K-C-323P/62	28,060	36.2	6 ga	50
XB3236-BL-240	K-C-323B/31	240/1P	28,392	118.3	3/0	150	K-C-323W/31	33,124	138.0	4/0	175
XB3236-BL-240-3P	K-C-323B/32	240/3P	28,392	78.2	1 ga	100	K-C-323W/32	33,124	94.0	1/0	125
XB3236-BL-208	K-C-323B/21	208/1P	28,392	136.5	4/0	175	K-C-323W/21	33,124	159.3	250 mcm	200
XB3236-BL-208-3P	K-C-323B/22	208/3P	28,392	90.3	1/0	125	K-C-323W/22	33,124	108.5	3/0	150
XB3236-BL-480-3P	K-C-323B/62	480/3P	28,392	34.2	6 ga	50	K-C-323W/62	33,124	42.7	6 ga	60
X3245-BL-240	K-C-3245/31	240/1P	30,065	125.3	4/0	175	K-C-324P/31	34,074	142.0	250 mcm	200
X3245-BL-240-3P	K-C-3245/32	240/3P	30,065	86.8	1 ga	110	K-C-324P/32	34,074	86.8	1 ga	110
X3245-BL-208	K-C-3245/21	208/1P	30,065	144.5	250 mcm	200	K-C-324P/21	34,074	163.8	300 mcm	225
X3245-BL-208-3P	K-C-3245/22	208/3P	30,065	100.1	3/0	150	K-C-324P/22	34,074	100.2	3/0	150
X3245-BL-480-3P	K-C-3245/62	480/3P	30,065	36.2	6 ga	50	K-C-324P/62	34,074	43.4	6 ga	60
XB3245-BL-240	K-C-324B/31	240/1P	35,490	147.9	250 mcm	200	K-C-324W/31	40,222	167.6	300 mcm	225
XB3245-BL-240-3P	K-C-324B/32	240/3P	35,490	102.5	3/0	150	K-C-324W/32	40,222	102.5	3/0	150
XB3245-BL-208	K-C-324B/21	208/1P	35,490	170.6	300 mcm	225	K-C-324W/21	40,222	193.4	350 mcm	250
XB3245-BL-208-3P	K-C-324B/22	208/3P	35,490	118.2	3/0	150	K-C-324W/22	40,222	118.2	3/0	150
XB3245-BL-480-3P	K-C-324B/62	480/3P	35,490	42.7	6 ga	60	K-C-324W/62	40,222	51.3	4 ga	70
X3254-BL-240	K-C-3254/31	240/1P	36,078	150.3	250 mcm	200					
X3254-BL-240-3P	K-C-3254/32	240/3P	36,078	104.1	3/0	150					
X3254-BL-208	K-C-3254/21	208/1P	36,078	173.5	300 mcm	225					
X3254-BL-208-3P	K-C-3254/22	208/3P	36,078	120.2	4/0	175					
X3254-BL-480-3P	K-C-3254/62	480/3P	36,078	43.4	6 ga	60					
XB3254-BL-240	K-C-325B/31	240/1P	42,588	177.5	300 mcm	225					
XB3254-BL-240-3P	K-C-325B/32	240/3P	42,588	122.9	4/0	175					
XB3254-BL-208	K-C-325B/21	208/1P	42,588	204.8	400 mcm	275					
XB3254-BL-208-3P	K-C-325B/22	208/3P	42,588	141.9	250 mcm	200					
XB3254-BL-480-3P	K-C-325B/62	480/3P	42,588	51.2	4 ga	70					

SEE PAGE 12 FOR ELECTRICAL NOTES

Electrical Specifications for X3200-BL Series (World)

Standard Models							Powered Bottom Models				
Model Number	Part Number	Volt/Phase	Watts	Amps	Wire Size	Fuse Size	Part Number	Watts	Amps	Wire Size	Fuse Size
X3227-BL-220	K-C-3227/41	220/1P	18,039	82.0	1 ga	110	K-C-322P/41	22,047	100.2	3/0	150
X3227-BL-380-3PY	K-C-3227/52	380/3PY	18,039	27.3	8 ga	40	K-C-322P/52	22,047	45.5	6 ga	60
X3227-BL-400-3PY	K-C-3227/82	400/3PY	18,039	26.1	8 ga	40	K-C-322P/82	22,047	43.6	6 ga	60
X3227-BL-415-3PY	K-C-3227/72	415/3PY	18,039	25.1	8 ga	40	K-C-322P/72	22,047	41.7	6 ga	60
XB3227-BL-220	K-C-3227/41	220/1P	21,294	96.8	1/0	125	K-C-322W/41	26,026	118.3	3/0	150
XB3227-BL-380-3PY	K-C-3227/52	380/3PY	21,294	32.3	6 ga	50	K-C-322W/52	26,026	53.8	4 ga	70
XB3227-BL-400-3PY	K-C-3227/82	400/3PY	21,294	30.9	8 ga	40	K-C-322W/82	26,026	51.4	4 ga	70
XB3227-BL-415-3PY	K-C-3227/72	415/3PY	21,294	29.6	8 ga	40	K-C-322W/72	26,026	49.3	4 ga	70
X3236-BL-220	K-C-3236/41	220/1P	24,052	109.3	3/0	150	K-C-323P/41	28,060	127.5	4/0	175
X3236-BL-380-3PY	K-C-3236/52	380/3PY	24,052	54.7	4 ga	70	K-C-323P/52	28,060	54.7	4 ga	70
X3236-BL-400-3PY	K-C-3236/82	400/3PY	24,052	52.3	4 ga	70	K-C-323P/82	28,060	52.3	4 ga	70
X3236-BL-415-3PY	K-C-3236/72	415/3PY	24,052	50.1	4 ga	70	K-C-323P/72	28,060	50.1	4 ga	70
XB3236-BL-220	K-C-3236/41	220/1P	28,392	129.1	4/0	175	K-C-323W/41	31,124	150.6	250 mcm	200
XB3236-BL-380-3PY	K-C-3236/52	380/3PY	28,392	64.5	2 ga	90	K-C-323W/52	31,124	64.5	2 ga	90
XB3236-BL-400-3PY	K-C-3236/82	400/3PY	28,392	61.7	3 ga	80	K-C-323W/82	31,124	61.7	3 ga	80
XB3236-BL-415-3PY	K-C-3236/72	415/3PY	28,392	59.2	3 ga	80	K-C-323W/72	31,124	59.2	3 ga	80
X3245-BL-220	K-C-3245/41	220/1P	30,065	136.7	4/0	175	K-C-324P/41	34,074	154.9	250 mcm	200
X3245-BL-380-3PY	K-C-3245/52	380/3PY	30,065	54.7	4 ga	70	K-C-324P/52	34,074	54.7	4 ga	70
X3245-BL-400-3PY	K-C-3245/82	400/3PY	30,065	52.3	4 ga	70	K-C-324P/82	34,074	52.3	4 ga	70
X3245-BL-415-3PY	K-C-3245/72	415/3PY	30,065	50.1	4 ga	70	K-C-324P/72	34,074	50.1	4 ga	70
XB3245-BL-220	K-C-3245/41	220/1P	35,490	161.3	300 mcm	225	K-C-324W/41	40,222	182.8	350 mcm	250
XB3245-BL-380-3PY	K-C-3245/52	380/3PY	35,490	64.5	2 ga	90	K-C-324W/52	40,222	64.5	2 ga	90
XB3245-BL-400-3PY	K-C-3245/82	400/3PY	35,490	61.7	3 ga	80	K-C-324W/82	40,222	61.7	3 ga	80
XB3245-BL-415-3PY	K-C-3245/72	415/3PY	35,490	59.2	3 ga	80	K-C-324W/72	40,222	59.2	3 ga	80
X3254-BL-220	K-C-3254/41	220/1P	36,078	164.0	300 mcm	225					
X3254-BL-380-3PY	K-C-3254/52	380/3PY	36,078	65.6	2 ga	90					
X3254-BL-400-3PY	K-C-3254/82	400/3PY	36,078	62.7	3 ga	80					
X3254-BL-415-3PY	K-C-3254/72	415/3PY	36,078	60.1	3 ga	80					
XB3254-BL-220	K-C-325B/41	220/1P	42,588	193.6	350 mcm	250					
XB3254-BL-380-3PY	K-C-325B/52	380/3PY	42,588	77.4	1 ga	100					
XB3254-BL-400-3PY	K-C-325B/82	400/3PY	42,588	74.1	1 ga	100					
XB3254-BL-415-3PY	K-C-325B/72	415/3PY	42,588	71.0	2 ga	90					

ELECTRICAL NOTES FOR X3200-BL SERIES

For Model Number of Powered Bottom Model: Add a “PB” after the “BL” (Example = X3227-BL-PB-240-1).

UL Listing: All models are c-MET-us listed except the X3254-BL and XB3245-BL

Control Panels: All X3200-BL kilns get a floor standing panel. NEMA 1 panel are recommended but not required for 480 volts.

XB MODELS: XB models have more power than the regular X model kilns. The higher powered XB elements are always used on the XB3218-BL because of the large ratio of unheated surface area.

480 Volt Models with Quad Element Option: See website kiln pages for electrical specifications.

Dimension & Weight Specifications for X3200-BL Series

Model Number	Inside Height	Cubic Feet	Furniture Kit	Furniture Kit Part No.	Outside Dimensions	Shipping Dimensions (with Kit)	Ship Weight Kiln Only	Ship Weight Kiln + Kit
X3227-BL	27"	14.5	6 shelves, 1 post kit	H-X-K227/00	77" W x 93" H x 67" D	1 crate: 44" W x 55" H x 48" D 1 crate: 44" W x 82" H x 48" D	1,685 lbs	1,835 lbs
X3236-BL	36"	19.4	8 shelves, 2 post kits	H-X-K236/00	77" W x 111" H x 67" D	1 crate: 44" W x 64" H x 48" D 1 crate: 44" W x 82" H x 48" D	1,740 lbs	1,930 lbs
X3245-BL	45"	24.2	10 shelves, 2 post kits	H-X-K245/00	77" W x 129" H x 67" D	1 crate: 44" W x 73" H x 48" D 1 crate: 44" W x 82" H x 48" D	1,980 lbs	2,210 lbs
X3254-BL	54"	29.1	12 shelves, 2 post kits	H-X-K254/00	77" W x 147" H x 67" D	1 crate: 44" W x 82" H x 48" D 1 crate: 44" W x 82" H x 48" D	2,140 lbs	2,405 lbs
METRIC DIMENSIONS (CM, LITERS & KG)								
X3227-BL	68.6	412 L	6 shelves, 1 post kit	H-X-K227/00	196 W x 236 H x 170 D	1 crate: 112 W x 140 H x 122 D 1 crate: 112 W x 209 H x 122 D	765 KG	833 KG
X3236-BL	91.4	549 L	8 shelves, 2 post kits	H-X-K236/00	196 W x 282 H x 170 D	1 crate: 112 W x 163 H x 122 D 1 crate: 112 W x 209 H x 122 D	790 KG	876 KG
X3245-BL	114.3	686 L	10 shelves, 2 post kits	H-X-K245/00	196 W x 328 H x 170 D	1 crate: 112 W x 186 H x 122 D 1 crate: 112 W x 209 H x 122 D	899 KG	1003 KG
X3254-BL	137.2	824 L	12 shelves, 2 post kits	H-X-K245/00	196 W x 373 H x 170 D	1 crate: 112 W x 209 H x 122 D 1 crate: 112 W x 209 H x 122 D	971 KG	1091 KG

DIMENSION & SHIPPING NOTES

Cross section of Inside: Approximately 32" wide by 32" deep. (81.3 cm by 81.3 cm)

Hearth Setting Area: 28" wide by 28" deep. (71.1 cm by 71.2 cm)

Each self is 14" by 28" (35.6 cm by 71.1 cm)

Recommended Minimum Space Requirements: 122" wide by 84" deep (310 cm by 214 cm)

(See General Dimension Diagram for details).

MORE: See each model page on hotkilns.com to download PDF General Dimension Drawings for more outside and inside dimensions, minimum space requirements, BTU ventilation requirements, and kiln weight. See the Shipping Tab on the model page for complete shipping dimension and shipping weight information.

X3227-BL

Temperature Rating: Cone 10

Volume: 14.5 Cubic Feet

Inside: 30.5" D x 27" H

Outside Dimensions: 63" W x 93" H x 77" D

Shipping Dimensions: 2 Crates
(44" W x 55" H x 48" D and 44" W x 82" H x 48" D)

Ship Weight (Kiln): 1,685 LBS

Ship Weight (Kiln, Vent & Furn Kit): 1,835 LBS



FURNITURE KIT FOR X3227-BL

Part Number: H-X-K227/00

Includes: Six 28" X 14" Rectangular Shelves (3/4" thick), Six Each 1/2", 1", 2", 4", 6", and 8" Square Posts, and One Pair Heat Resistant Gloves.



X3236-BL

Temperature Rating: Cone 10

Volume: 19.4 Cubic Feet

Inside: 30.5" D x 36" H

Outside Dimensions: 77" W x 111" H x 67" D

Shipping Dimensions: 2 Crates
(44" W x 64" H x 48" D and 44" W x 82" H x 48" D)

Ship Weight (Kiln): 1,740 LBS

Ship Weight (Kiln, Vent & Furn Kit): 1,930 LBS



FURNITURE KIT FOR X3236-BL

Part Number: H-X-K236/00

Includes: Eight 28" X 14" Rectangular Shelves (3/4" thick), Twelve Each 1/2", 1", 2", 4", 6", and 8" Square Posts, and One Pair Heat Resistant Gloves.



X3245-BL

Temperature Rating: Cone 10

Volume: 24.2 Cubic Feet

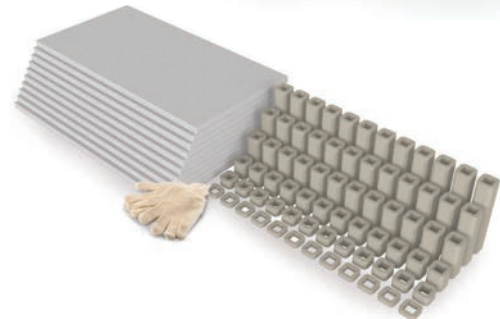
Inside: 30.5" D x 45" H

Outside Dimensions: 77" W x 129" H x 67" D

Shipping Dimensions: 2 Crates
(44" W x 73" H x 48" D and 44" W x 82" H x 48" D)

Ship Weight (Kiln): 1,980 LBS

Ship Weight (Kiln, Vent & Furn Kit): 2,210 LBS



FURNITURE KIT FOR X3245-BL

Part Number: H-X-K245/00

Includes: Ten 28" X 14" Rectangular Shelves (3/4" thick), Six Each 1/2", 1", 2", 4", 6", and 8" Square Posts, and One Pair Heat Resistant Gloves.



X3254-BL

Temperature Rating: Cone 10

Volume: 29.1 Cubic Feet

Brick Thickness: 3" Brick

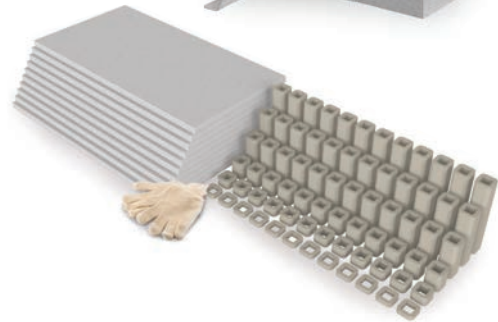
Inside: 30.5" D x 54" H

Outside Dimensions: 77" W x 147" H x 67" D

Shipping Dimensions: 2 Crates
(44" W x 82" H x 48" D and 44" W x 82" H x 48" D)

Ship Weight (Kiln): 2,140 LBS

Ship Weight (Kiln, Vent & Furn Kit): 2,405 LBS



FURNITURE KIT FOR X3245-BL

Part Number: H-X-K245/00

Includes: Ten 28" X 14" Rectangular Shelves (3/4" thick), Six Each 1/2", 1", 2", 4", 6", and 8" Square Posts, and One Pair Heat Resistant Gloves.

Electrical Specifications for T3400-BL Series (USA)

Standard Models							Powered Bottom Models				
Model Number	Part Number	Volt/Phase	Watts	Amps	Wire Size	Fuse Size	Part Number	Watts	Amps	Wire Size	Fuse Size
T3427-BL-240	K-C-3427/31	240/1P	24,936	103.9	3/0	150	K-C-342P/31	30,477	127.0	4/0	175
T3427-BL-240-3P	K-C-3427/32	240/3P	24,936	60.0	3 ga	80	K-C-342P/32	30,477	80.8	1 ga	110
T3427-BL-208	K-C-3427/21	208/1P	24,936	119.9	3/0	150	K-C-342P/21	30,477	146.5	250 mcm	200
T3427-BL-208-3P	K-C-3427/22	208/3P	24,936	69.2	2 ga	90	K-C-342P/22	30,477	93.2	1/0	125
T3427-BL-480-3P	K-C-3427/62	480/3P	24,936	30.0	8 ga	40	K-C-342P/62	30,477	40.0	6 ga	50
TB3427-BL-240	K-C-342B/31	240/1P	29,901	124.6	4/0	175	K-C-342W/31	36,546	152.3	250 mcm	200
TB3427-BL-240-3P	K-C-342B/32	240/3P	29,901	71.9	2 ga	90	K-C-342W/32	36,546	96.9	1/0	125
TB3427-BL-208	K-C-342B/21	208/1P	29,901	143.8	250 mcm	200	K-C-342W/21	36,546	175.7	300 mcm	225
TB3427-BL-208-3P	K-C-342B/22	208/3P	29,901	83.0	1 ga	110	K-C-342W/22	36,546	111.8	3/0	150
TB3427-BL-480-3P	K-C-342B/62	480/3P	29,901	36.0	6 ga	50	K-C-342W/62	36,546	48.0	6 ga	60
T3436-BL-240	K-C-3436/31	240/1P	33,248	138.5	4/0	175	K-C-343P/31	38,789	161.6	300 mcm	225
T3436-BL-240-3P	K-C-3436/32	240/1P	33,248	91.6	1/0	125	K-C-343P/32	38,789	110.1	3/0	150
T3436-BL-208	K-C-3436/21	208/1P	33,248	159.8	250 mcm	200	K-C-343P/21	38,789	186.5	350 mcm	250
T3436-BL-208-3P	K-C-3436/22	208/3P	33,248	105.7	3/0	150	K-C-343P/22	38,789	127.1	4/0	175
T3436-BL-480-3P	K-C-3436/62	480/3P	33,248	40.0	6 ga	50	K-C-343P/62	38,789	50.0	4 ga	70
TB3436-BL-240	K-C-343B/31	240/1P	39,868	166.1	300 mcm	225	K-C-343W/31	46,513	193.8	350 mcm	250
TB3436-BL-240-3P	K-C-343B/32	240/1P	39,868	109.9	3/0	150	K-C-343W/32	46,513	132.1	4/0	175
TB3436-BL-208	K-C-343B/21	208/1P	39,868	191.7	350 mcm	250	K-C-343W/21	46,513	223.6	500 mcm	300
TB3436-BL-208-3P	K-C-343B/22	208/3P	39,868	126.8	4/0	175	K-C-343W/22	46,513	152.4	250 mcm	200
TB3436-BL-480-3P	K-C-343B/62	480/3P	39,868	48.0	6 ga	60	K-C-343W/62	46,513	60.0	3 ga	80
T3445-BL-240	K-C-3445/31	240/1P	41,560	173.2	300 mcm	225	K-C-344P/31	47,101	196.3	350 mcm	250
T3445-BL-240-3P	K-C-3445/32	240/3P	41,560	120.0	3/0	150	K-C-344P/32	47,101	120.0	3/0	150
T3445-BL-208	K-C-3445/21	208/1P	41,560	199.8	350 mcm	250	K-C-344P/21	47,101	226.4	500 mcm	300
T3445-BL-208-3P	K-C-3445/22	208/3P	41,560	138.4	4/0	175	K-C-344P/22	47,101	138.4	4/0	175
T3445-BL-480-3P	K-C-3445/62	480/3P	41,560	50.0	4 ga	70	K-C-344P/62	47,101	60.0	3 ga	80
TB3445-BL-240	K-C-344B/31	240/1P	49,835	207.6	400 mcm	275	K-C-344W/31	56,480	235.3	500 mcm	300
TB3445-BL-240-3P	K-C-344B/32	240/3P	49,835	143.9	250 mcm	200	K-C-344W/32	56,480	143.9	250 mcm	200
TB3445-BL-208	K-C-344B/21	208/1P	49,835	239.6	500 mcm	300	K-C-344W/21	56,480	271.5	500 mcm	350
TB3445-BL-208-3P	K-C-344B/22	208/3P	49,835	166.0	300 mcm	225	K-C-344W/22	56,480	166.0	300 mcm	225
TB3445-BL-480-3P	K-C-344B/62	480/3P	49,835	60.0	3 ga	80	K-C-344W/62	56,480	72.0	2 ga	90
T3454-BL-240	K-C-3454/31	240/1P	49,872	207.8	400 mcm	275					
T3454-BL-240-3P	K-C-3454/32	240/3P	49,872	144.0	250 mcm	200					
T3454-BL-208	K-C-3454/21	208/1P	49,872	239.8	500 mcm	300					
T3454-BL-208-3P	K-C-3454/22	208/3P	49,872	166.1	300 mcm	225					
T3454-BL-480-3P	K-C-3454/62	480/3P	49,872	60.0	3 ga	80					
TB3454-BL-240	K-C-345B/31	240/1P	59,802	249.2	500 mcm	350					
TB3454-BL-240-3P	K-C-345B/32	240/3P	59,802	172.6	300 mcm	225					
TB3454-BL-208	K-C-345B/21	208/1P	59,802	287.5	500 mcm	350					
TB3454-BL-208-3P	K-C-345B/22	208/3P	59,802	199.2	350 mcm	250					
TB3454-BL-480-3P	K-C-345B/62	480/3P	59,802	72.0	2 ga	90					

SEE PAGE 19 FOR ELECTRICAL NOTES

Electrical Specifications for T3400-BL Series (World)

Standard Models							Powered Bottom Models				
Model Number	Part Number	Volt/Phase	Watts	Amps	Wire Size	Fuse Size	Part Number	Watts	Amps	Wire Size	Fuse Size
T3427-BL-220	K-C-3427/41	220/1P	24,936	113.3	3/0	150	K-C-342P/41	30,477	138.5	4/0	175
T3427-BL-380-3PY	K-C-3427/52	380/3PY	24,936	37.8	6 ga	50	K-C-342P/52	30,477	63.0	3 ga	80
T3427-BL-400-3PY	K-C-3427/82	400/3PY	24,936	36.1	6 ga	50	K-C-342P/82	30,477	60.2	3 ga	80
T3427-BL-415-3PY	K-C-3427/72	415/3PY	24,936	34.6	6 ga	50	K-C-342P/72	30,477	57.7	3 ga	80
TB3427-BL-220	K-C-342B/41	220/1P	29,901	135.9	4/0	175	K-C-342W/41	36,546	166.1	300 mcm	225
TB3427-BL-380-3PY	K-C-342B/52	380/3PY	29,901	45.3	6 ga	60	K-C-342W/52	36,546	75.5	1 ga	100
TB3427-BL-400-3PY	K-C-342B/82	400/3PY	29,901	43.3	6 ga	60	K-C-342W/82	36,546	72.2	1 ga	100
TB3427-BL-415-3PY	K-C-342B/72	415/3PY	29,901	41.5	6 ga	60	K-C-342W/72	36,546	69.2	2 ga	90
T3436-BL-220	K-C-3436/41	220/1P	33,248	151.1	250 mcm	200	K-C-343P/41	38,789	176.3	300 mcm	225
T3436-BL-380-3PY	K-C-3436/52	380/3PY	33,248	75.6	1 ga	100	K-C-343P/52	38,789	75.6	1 ga	100
T3436-BL-400-3PY	K-C-3436/82	400/3PY	33,248	72.3	1 ga	100	K-C-343P/82	38,789	72.3	1 ga	100
T3436-BL-415-3PY	K-C-3436/72	415/3PY	33,248	69.3	2 ga	90	K-C-343P/72	38,789	69.3	2 ga	90
TB3436-BL-220	K-C-343B/41	220/1P	39,868	181.2	350 mcm	250	K-C-343W/41	46,513	211.4	400 mcm	275
TB3436-BL-380-3PY	K-C-343B/52	380/3PY	39,868	90.6	1/0	125	K-C-343W/52	46,513	90.6	1/0	125
TB3436-BL-400-3PY	K-C-343B/82	400/3PY	39,868	86.7	1 ga	110	K-C-343W/82	46,513	86.7	1 ga	110
TB3436-BL-415-3PY	K-C-343B/72	415/3PY	39,868	83.1	1 ga	110	K-C-343W/72	46,513	83.1	1 ga	110
T3445-BL-220	K-C-3445/41	220/1P	41,560	188.9	350 mcm	250	K-C-344P/41	47,101	214.1	400 mcm	275
T3445-BL-380-3PY	K-C-3445/52	380/3PY	41,560	75.6	1 ga	100	K-C-344P/52	47,101	75.6	1 ga	100
T3445-BL-400-3PY	K-C-3445/82	400/3PY	41,560	72.3	1 ga	100	K-C-344P/82	47,101	72.3	1 ga	100
T3445-BL-415-3PY	K-C-3445/72	415/3PY	41,560	69.3	2 ga	90	K-C-344P/72	47,101	69.3	2 ga	90
TB3445-BL-220	K-C-344B/41	220/1P	49,835	226.5	500 mcm	250	K-C-344W/41	56,480	256.7	500 mcm	350
TB3445-BL-380-3PY	K-C-344B/52	380/3PY	49,835	52.5	4 ga	100	K-C-344W/52	56,480	90.6	1/0	125
TB3445-BL-400-3PY	K-C-344B/82	400/3PY	49,835	49.8	4 ga	100	K-C-344W/82	56,480	86.7	1 ga	110
TB3445-BL-415-3PY	K-C-344B/72	415/3PY	49,835	48.0	6 ga	90	K-C-344W/72	56,480	83.1	1 ga	110
T3454-BL-220	K-C-3454/41	220/1P	49,872	226.7	500 mcm	300					
T3454-BL-380-3PY	K-C-3454/52	380/3PY	49,872	90.7	1/0	125					
T3454-BL-400-3PY	K-C-3454/82	400/3PY	49,872	86.7	1 ga	110					
T3454-BL-415-3PY	K-C-3454/72	415/3PY	49,872	83.1	1 ga	110					
TB3454-BL-220	K-C-345B/41	220/1P	56,480	271.8	500 mcm	350					
TB3454-BL-380-3PY	K-C-345B/52	380/3PY	59,802	108.7	3/0	150					
TB3454-BL-400-3PY	K-C-345B/82	400/3PY	59,802	104.0	3/0	150					
TB3454-BL-415-3PY	K-C-345B/72	415/3PY	59,802	99.7	1/0	125					

ELECTRICAL NOTES FOR T3400-BL SERIES

For Model Number Powered Bottom Model: Add a "PB" after the "D" (Example = T3427-BL-PB-240-1).

UL Listing: All models are c-MET-us listed except T3454-BL and TB3454-BL.

Control Panels: All T3400 kilns get a floor standing panel. NEMA 1 panel are recommended but not required for 480 volts.

TB MODELS: TB models have more power than the regular T model kilns.

480 Volt Models with Quad Element Option: See website kiln pages for electrical specifications.

Dimension & Weight Specifications for T3400-BL Series

Model Number	Inside Height	Cubic Feet	Furniture Kit	Furniture Kit Part No.	Outside Dimensions	Shipping Dimensions (with Kit)	Ship Weight Kiln Only	Ship Weight Kiln + Kit
T3427-BL	27"	20.7	9 shelves, 1 post kit	H-T-K527/00	89" W x 93" H x 70" D	1 crate: 48" W x 55" H x 64" D 1 crate: 48" W x 82" H x 80" D	1,935 lbs	2,140 lbs
T3436-BL	36"	27.6	12 shelves, 2 post kits	H-T-K536/00	89" W x 111" H x 70" D	1 crate: 48" W x 64" H x 64" D 1 crate: 48" W x 82" H x 80" D	2,105 lbs	2,380 lbs
T3445-BL	45"	34.6	15 shelves, 2 post kits	H-T-K545/00	89" W x 129" H x 70" D	1 crate: 48" W x 73" H x 64" D 1 crate: 48" W x 82" H x 80" D	2,185 lbs	2,520 lbs
T3454-BL	54"	41.5	18 shelves, 2 post kits	H-T-K554/00	89" W x 147" H x 70" D	1 crate: 48" W x 82" H x 64" D 1 crate: 48" W x 82" H x 80" D	2,445 lbs	2,840 lbs
METRIC DIMENSIONS (CM, LITERS & KG)								
T3427-BL	68.6	588 L	9 shelves, 1 post kit	H-T-K527/00	226 W x 236 H x 178 D	1 crate: 122 W x 140 H x 163 D 1 crate: 122 W x 209 H x 204 D	878 KG	971 KG
T3436-BL	91.4	783 L	12 shelves, 2 post kits	H-T-K536/00	226 W x 282 H x 178 D	1 crate: 122 W x 163 H x 163 D 1 crate: 122 W x 209 H x 204 D	955 KG	1080 KG
T3445-BL	114.3	979 L	15 shelves, 2 post kits	H-T-K545/00	226 W x 328 H x 178 D	1 crate: 122 W x 186 H x 163 D 1 crate: 122 W x 209 H x 204 D	992 KG	1144 KG
T3454-BL	114.3	1175 L	18 shelves, 2 post kits	H-T-K554/00	226 W x 373 H x 178 D	1 crate: 122 W x 209 H x 163 D 1 crate: 122 W x 209 H x 204 D	1110 KG	1289 KG

DIMENSION & SHIPPING NOTES

Cross section of Inside: Approximately 45" wide by 34" deep. (114.3 cm by 86.4 cm)

Hearth Setting Area: 42" wide by 28" deep. (106.7 cm by 71.1 cm)

Each self is 14" by 28" (35.6 cm by 71.1 cm)

Recommended Minimum Space Requirements: 134.2" wide by 86.6" deep (341 cm by 220 cm)
(See General Dimension Diagram for details).

MORE: See each model page on hotkilns.com to download PDF General Dimension Drawings for more outside and inside dimensions, minimum space requirements, BTU ventilation requirements, and kiln weight. See the Shipping Tab on the model page for complete shipping dimension and shipping weight information.

T3427-BL

Temperature Rating: Cone 10

Volume: 20.7 Cubic Feet

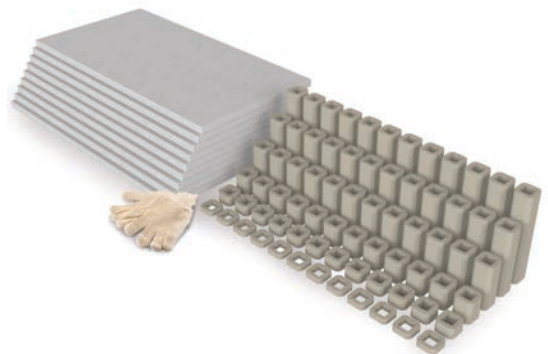
Inside: 30.5" D x 27" H

Outside Dimensions: 89" W x 93" H x 70" D

Shipping Dimensions: 2 Crates
(48" W x 72" H x 64" D and 48" W x 82" H x 80" D)

Ship Weight (Kiln): 1,935 LBS

Ship Weight (Kiln, Vent & Furn Kit): 2,140 LBS



FURNITURE KIT FOR T3427-BL

Part Number: H-T-K527/00

Includes: Nine 28" X 14" Rectangular Shelves (3/4" thick), Six Each 1/2", 1", 2", 4", 6", and 8" Square Posts, and One Pair Heat Resistant Gloves.



T3436-BL

Temperature Rating: Cone 10

Volume: 27.6 Cubic Feet

Inside: 30.5" D x 36" H

Outside Dimensions: 89" W x 111" H x 70" D

Shipping Dimensions: 2 Crates
(48" W x 64" H x 64" D and 48" W x 82" H x 80" D)

Ship Weight (Kiln): 2,105 LBS

Ship Weight (Kiln, Vent & Furn Kit): 2,380 LBS



FURNITURE KIT FOR T3436-BL

Part Number: H-T-K536/00

Includes: Twelve 28" X 14" Rectangular Shelves (3/4" thick), Six Each 1/2", 1", 2", 4", 6", and 8" Square Posts, and One Pair Heat Resistant Gloves.



T3445-BL

Temperature Rating: Cone 10

Volume: 34.6 Cubic Feet

Brick Thickness: 3" Brick

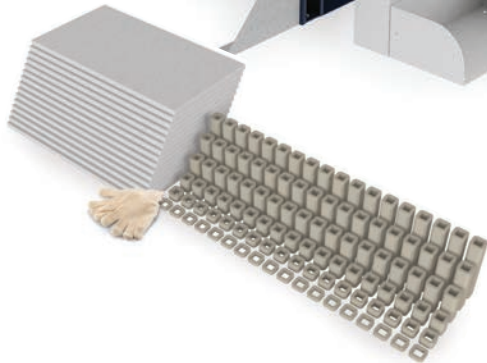
Inside: 30.5" D x 45" H

Outside Dimensions: 89" W x 129" H x 70" D

Shipping Dimensions: 2 Crate (48" W x 73" H x 64" D & 48" W x 82" H x 80" D)

Ship Weight (Kiln): 2,185 LBS

Ship Weight (Kiln, Vent & Furn Kit): 2,520 LBS



FURNITURE KIT FOR T3445-BL & T3454-BL

Part Number: H-T-K545/00

Includes: Fifteen 28" X 14" Rectangular Shelves (3/4" thick), Six Each 1/2", 1", 2", 4", 6", and 8" Square Posts, and One Pair Heat Resistant Gloves.



T3454-BL

Temperature Rating: Cone 10

Volume: 41.5 Cubic Feet

Brick Thickness: 3" Brick

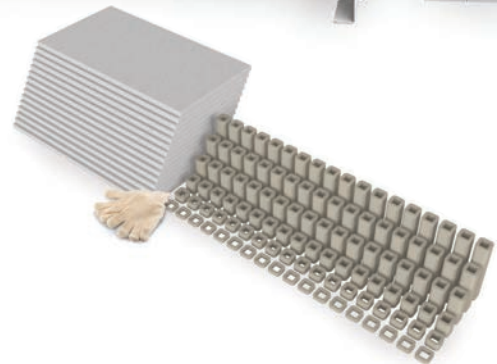
Inside: 30.5" D x 54" H

Outside Dimensions: 89" W x 147" H x 70" D

Shipping Dimensions: 2 Crates
(48" W x 82" H x 64" D and 48" W x 82" H x 80" D)

Ship Weight (Kiln): 2,445 LBS

Ship Weight (Kiln, Vent & Furn Kit): 2,840 LBS



FURNITURE KIT FOR T3445-BL & T3454-BL

Part Number: H-T-K545/00

Includes: Fifteen 28" X 14" Rectangular Shelves (3/4" thick), Six Each 1/2", 1", 2", 4", 6", and 8" Square Posts, and One Pair Heat Resistant Gloves.

What Makes DaVinci Bell-Lift Kilns Unique?

Free Zone Control for even firing.

NOTE: The new chain hoist design is not shown in the photographs

Solid Ceramic Peephole Plugs with 1" diameter straight view have wide viewing area and won't easily fall out or break.

Hard Ceramic Element Holders protect elements and fragile firebrick. Improves kiln life dramatically. Provides wider and more reflective surface for infrared heat transmission.

Heavy-Duty Welded Steel Stand with aluminized steel sheet on top for full support.

Protected Thermocouples
(open tube design)

Separate Kiln Sections
Plug into separate control panel for ultimate in flexibility

Molded Ceramic Element Terminals make connecting elements easy and trouble free.

Separate Floor Standing Control Panel makes servicing easy and safe, keeps electronics cool.

DynaTrol or Touch Screen Genesis Control with free app for easy programming and monitoring.
Zone Control for even firing.

