

SEE CONTROL PANEL WIRING DIAGRAM FOR WIRING CONNECTIONS TO KILN ZONE RECEPTACLES

1 Phase Electrical Specs		
Voltage	208 / 1 / 50-60	
Watts	24,936	
Full Load Amps	L1	L2
	119.9	119.9
Power Supply	Fuse	Wire
	150A	1/0AWG

1 Phase Electrical Specs		
Voltage	220 / 1 / 50-60	
Watts	24,936	
Full Load Amps	L1	L2
	113.3	113.3
Power Supply	Fuse	Wire
	150A	1/0AWG

1 Phase Electrical Specs		
Voltage	240 / 1 / 50-60	
Watts	24,936	
Full Load Amps	L1	L2
	103.9	103.9
Power Supply	Fuse	Wire
	150A	1AWG

3 Phase Electrical Specs			
Voltage	208 / 3 / 50-60		
Watts	24,936		
Full Load Amps	L1	L2	L3
	69.2	69.2	69.2
Power Supply	Fuse	Wire	
	90A	3AWG	



3 Phase Electrical Specs			
Voltage	240 / 3 / 50-60		
Watts	24,936		
Full Load Amps	L1	L2	L3
	60.0	60.0	60.0
Power Supply	Fuse	Wire	
	80A	4AWG	

3 Phase Wye Electrical Specs			
Voltage	380 / 3-Y / 50-60		
Watts	24,936		
Full Load Amps	L1	L2	L3
	37.8	37.8	37.8
Power Supply	Fuse	Wire	
	50A	8AWG	

3 Phase Wye Electrical Specs			
Voltage	400 / 3-Y / 50-60		
Watts	24,936		
Full Load Amps	L1	L2	L3
	36.1	36.1	36.1
Power Supply	Fuse	Wire	
	50A	8AWG	

3 Phase Wye Electrical Specs			
Voltage	415 / 3-Y / 50-60		
Watts	24,936		
Full Load Amps	L1	L2	L3
	34.6	34.6	34.6
Power Supply	Fuse	Wire	
	50A	8AWG	

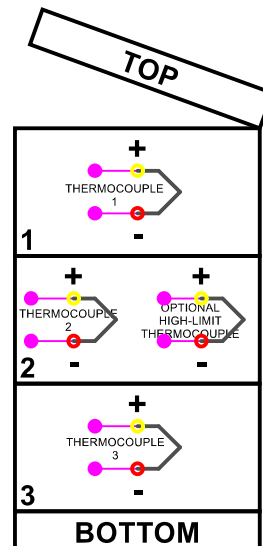
Associated Control Panels

Model	T3427	T3427-3P	T3427-3PY			
Type						
Diagram						

Industrial & commercial applications may require the installation of a LOCKOUT/TAGOUT device to prevent the kiln from operating during maintenance.

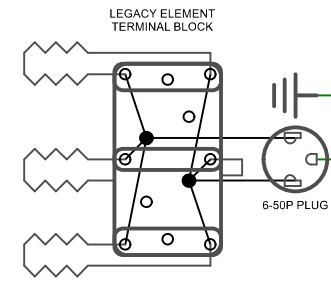
This kiln is recommended to be wired & connected to an approved U. L. & NEC configured receptacle controlled with a disconnect switch and properly fused according to the kW load specification listed on the kiln nameplate. L&L Kiln Mfg., Inc., also recommends fuses rather than circuit breakers to prevent nuisance tripping.

THERMOCOUPLE LOCATIONS

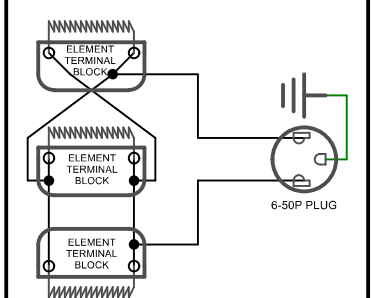


ELEMENT CONNECTIONS

LEGACY DESIGN

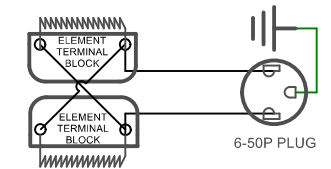


CURRENT DESIGN



KILN SECTIONS

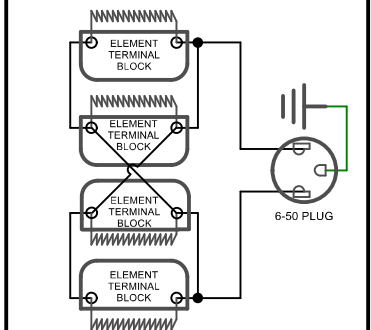
QUAD



KILN SECTIONS

KILN SECTIONS

4X-QUAD



KILN SECTIONS



**CAUTION: DO NOT PLUG
KILN SECTIONS DIRECTLY
TO LINE VOLTAGE**

T3427 Kiln Diagram (K0014)



505 Sharptown Road
Swedesboro NJ 08085
service@hotkilns.com
(856)-294-0077

A	06/16/2026		AF	DL	Drawn by: AF
Rev.	Date	Description	Approved by	Dwg. No.	K0014