



JD18-R REQUIREMENTS	
208 VOLTS	3 PHASE
50-60 HZ	7.26 KW
23.0AMPS	30 A Class H FUSES
220 VOLTS	3 PHASE
50-60 HZ	7.26 KW
21.8 AMPS	30 A Class H FUSES
240 VOLTS	3 PHASE
50-60 HZ	7.26 KW
19.9 AMPS	30 A Class H FUSES
JD18-X REQUIREMENTS	
208 VOLTS	3 PHASE
50-60 HZ	8.3 KW
23.0 AMPS	30 A Class H FUSES
220 VOLTS	3 PHASE
50-60 HZ	8.3 KW
21.8 AMPS	30 A Class H FUSES
240 VOLTS	3 PHASE
50-60 HZ	8.3 KW
19.9 AMPS	30 A Class H FUSES

MODEL JD18-R =
ZONES 1 THRU 3
1 - 6 1/2" RING
2 - 9" RINGS

MODEL JD18-X =
ZONES 1 THRU 3
3 - 9" RING

SAFETY SWITCH BY CUSTOMER
Connect to 240 Volt, 3 Wire, Three Phase - or
220 Volt, 3 Wire, Three Phase - or
208 Volt, 3 Wire, Three Phase
50 or 60 Cycles.
SEE POWER REQUIREMENTS TABLE ABOVE.

NOTES:

All control & power wiring is No. 14 AWG, SEWF-2.
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 Safety 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.

ELECTRICAL PARTS LIST

SYMBOL	QTY	DESCRIPTION	SHOP PART NO.	CUSTOMER PART NO.
1TB	1	POWER CONNECTION BOARD	E-TER-3X6175-A1	L-G-PBLG/02
TTAS	1	BARTLETT DYNATROL	T-DAW-LT3240-A1	N-G-T000/00
T/C	3	THERMOCOUPLES (14 Ga - 18")	(COMPOSITE)	T-B-1814/00
C	3	POWER RELAYS	E-CNT-EO252Y-A1	L-G-RL25/12
1FU	1	CONTROL FUSE	E-FUS-AGC2F5-A1	L-C-FS05/00
1FUB	1	PANEL MOUNT FUSE HOLDER	E-FUB-P20101-A1	L-G-FSPB/00
1TGS	1	ON/OFF TOGGLE SWITCH	E-SWT-XN1003-A1	L-G-SWTG/00
XFRMR	1	STEP DOWN TRANSFORMER	E-TRD-206VAS-A1	L-G-TR24/00
R	1	SINGLE RECEPTACLE NEMA 6-15R	E-REC-S15250-A1	L-J-SR15/00
R	1	DUPLEX RECEPTACLE NEMA 6-15R	E-REC-D15250-A1	L-J-DR20/00
P	VARIABLES	22" CORDS NEMA 6-15P	E-CRD-336015-A1	L-J-JC36/00
H (240)	9-15	240 Volt HEATING ELEMENTS	.	E-J-1800/30
H (208)	9-15	208 Volt HEATING ELEMENTS	.	E-J-1800/20
H (220)	9-15	220 Volt HEATING ELEMENTS	.	E-J-1800/40
2TAS	1 (OPT)	DAWSON KILN SITTER	T-DAW-LT3240-A1	N-G-LT30/00
2TAS	1 (OPT)	50 HZ DAWSON KILN SITTER	T-DAW-LT3240-A2	N-G-LT30/50

REV#	DATE	REVISION DESCRIPTION
C	11/13/08	UPDATED LOGO, ADDRESS, TITLE BLOCK, & BORDER
B	3/3/99	CHANGED PHASING FOR MORE CONSISTENT AMP DRAW
A	5/8/98	ADDED GROUND WIRE TO CENTER TAP
0	11/12/97	MADE FROM K028-150

Kilns
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TITLE: **ECONO KILN WIRING DIAGRAM**
MODELS JD18R & JD18X
Complete with DynaTrol Dynamic
208 or 220 or 240 Volts / 3 Phase

DRAWN BY	REV. CODE	DRAWING NO.
G.D.L.	C	K032-151
DATE	SCALE	
11/12/97	1 = 8	
CHK	APP	
JOB NO	STANDARD	SER NO
FILE NAME	L:\EVL\KILN\SERIES	
IK032-150.dwg	MADE FROM	
	IK028-150.dwg	