



MODEL J23-PB =
ZONES 1 THRU 2 & B
2-9" RINGS & PWR BOT

MODEL J230-PB =
ZONES 1 THRU 3 & B
3-9" RINGS & PWR BOT

MODEL J236-PB =
ZONES 1 THRU 4 & B
4-9" RINGS & PWR BOT

TO CONVERT TO AUTOMATIC CONTROL:
Contact Factory for information on adding 6P if not already included, and ordering and installing a separate Control System which plugs into 6P, and also has its own 115 Volt power cord.

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

J23 - PB POWER REQUIREMENTS
208 VOLTS 3 PHASE 50-60 HZ 7.6 KW 25.4 AMPS 40 A Class H FUSES
220 VOLTS 3 PHASE 50-60 HZ 8.1 KW 25.4 AMPS 40 A Class H FUSES
240 VOLTS 3 PHASE 50-60 HZ 8.8 KW 25.4 AMPS 40 A Class H FUSES
J230 - PB POWER REQUIREMENTS
208 VOLTS 3 PHASE 50-60 HZ 10.7 KW 31.7 AMPS 50 A Class H FUSES
220 VOLTS 3 PHASE 50-60 HZ 11.7 KW 31.7 AMPS 50 A Class H FUSES
240 VOLTS 3 PHASE 50-60 HZ 12.4 KW 31.7 AMPS 50 A Class H FUSES
J236 - PB POWER REQUIREMENTS
208 VOLTS 3 PHASE 50-60 HZ 13.7 KW 44.3 AMPS 60 A Class H FUSES
220 VOLTS 3 PHASE 50-60 HZ 14.5 KW 44.3 AMPS 60 A Class H FUSES
240 VOLTS 3 PHASE 50-60 HZ 15.8 KW 44.3 AMPS 60 A Class H FUSES

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 configured receptacle 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
1TAS	1	DAWSON KILN SITTER W/ TIMER	T-DAW-LT3240-A1 N-G-LT30/00
1TAS	1 (OPT)	50Hz DAWSON KILN SITTER W/ TIM	T-DAW-LT3240-A2 N-G-LT30/50
C (240)	3	POWER CONTACTORS	E-CNT-D02521-A1 L-G-RL30/30
C (208)	3	POWER CONTACTORS	E-CNT-D02521-A2 L-G-RL30/20
SM (240)	5	INPUT ZONE SWITCHES	E-INF-240XXX-A1 L-J-INFO/30
SM (208)	5	INPUT ZONE SWITCHES	E-INF-208XXX-A1 L-J-INFO/20
LT	5	INPUT ZONE PILOT LIGHTS	E-PIL-SR250V-A1 L-G-PILO/00
FU	10	ELEMENT FUSES	E-FUS-BN2030-A1 L-G-FS30/00
FUB	5	ELEMENT FUSE BLOCKS	E-FUB-HPF630-A1 L-G-FSPB/30
R	1	SINGLE RECEPTACLE NEMA 6-15R	E-REC-S15250-A1 L-J-SR15/00
R	2	DUPLEX RECEPTACLES NEMA 6-15R	E-REC-D15250-A1 L-J-DR00/00
P	VARIES	36" PLUGS NEMA 6-15P	E-CRD-336015-A1 L-J-JC36/00
H (240)	9-15	240 Volt HEATING ELEMENTS	E-J-2900/30
H (208)	9-15	208 Volt HEATING ELEMENTS	E-J-2900/20
H (220)	9-15	220 Volt HEATING ELEMENTS	E-J-2900/40
6P (opt)	1	INSTRUMENT RECEPTACLE	E-CNE-S302RP-A1 L-G-JNFM/00

11/16/09 UPDATED LOGO, ADDRESS, TITLE BLOCK, & BORDER
 8/25/97 CHANGED FROM 5 RELAYS TO 3
 2/24/97 ISSUED AS REV 0 - NO CHANGES FROM REV P

REV# DATE REVISION DESCRIPTION

L&L Kilns
hotkilns.com

805 SHARPTOWN ROAD
SWEDESBORO, NJ 08085

PHONE: (856) 294-0077
FAX: (856) 294-0070

TITLE ECONO KILN WIRING DIAGRAM
 MODELS J23-PB, J230-PB, & J236-PB
 Complete w/ Dawson Kiln Sitter-Powered Bottom
 208 or 220 or 240 Volts / 3 Phase

DRAWN BY J.E.M. **REV. CODE** B **DRAWING NO.** K038-104

DATE 1/22/97 **SCALE** 1 = 8

CHK **APP** **SHEET NO.** | OF |

JOB NO. STANDARD **SER NO.** -

FILE NAME L:\NEW\KILN\SERIES K038-103.dwg **MADE FROM** NEW