



| 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 |

OPTIONAL
DAWSON
KILN
SITTER/
TIMER

MODEL JD230-PB =
ZONES 1, 2, 4 & B
3 - 9" RINGS & P.B.

MODEL JD236-PB =
ZONES 1 THRU 4 & B
4 - 9" RINGS & P.B.

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 | DYN~TROL DYNAMIC CONTROLLER | T-DAW-LT3240-A1 | N-G-T000/00 |
| T/C | 3 | THERMOCOUPLES (14 Ga - 18") | (COMPOSITE) | T-B-1814/00 |
| C | 5 | POWER RELAYS | E-CNT-E0252Y-A1 | L-G-RL25/12 |
| IR | 2 | ISOLATING RELAY | E-CNT-E0252Y-A1 | L-G-RL25/12 |
| RECT | 2 | BRIDGE RECTIFIER | E-RC-02100X-A1 | L-G-BRIG/RF |
| 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 (30 VA) | E-TRD-230VAS-A1 | L-G-TR24/30 |
| FU | 10 | ELEMENT FUSES | E-FUS-BN2030-A1 | L-G-FS30/00 |
| FUB | 10 | ELEMENT FUSE HOLDERS | E-FUB-HPF630-A1 | L-G-FSPB/30 |
| R | VARIABLE | SINGLE RECEPTACLE NEMA 6-20R | E-REC-S20250-A1 | L-J-SR20/00 |
| P | VARIABLE | 45" PLUGS NEMA 6-20P | E-CRD-345020-A1 | L-J-JC45/00 |
| H (240) | 9-15 | 240 Volt HEATING ELEMENTS | | E-J-2300/30 |
| H (208) | 9-15 | 208 Volt HEATING ELEMENTS | | E-J-2300/20 |
| H (220) | 9-15 | 220 Volt HEATING ELEMENTS | | E-J-2300/40 |
| 2TAS | 1 (OPT) | DAWSON KILN SITTER | T-DAW-LT3240-A1 | N-G-LT30/00 |
| 2TAS | 1 (OPT) | 150 HZ DAWSON KILN SITTER | T-DAW-LT3240-A2 | N-G-LT30/50 |

11/16/09 UPDATED LOGO, ADDRESS, TITLE BLOCK, & BORDER

3/2/99 CHANGED PHASING FOR MORE BALANCED AMP DRAW

7/29/98 ADDED ISO RELAYS; GROUNDED CTR TAP; USE 20A PLUGS

REV# DATE REVISION DESCRIPTION

Kilns
hotkilns.com

505 SHARPTOWN ROAD
SWEDESBORO, NJ 08085

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

TITLE **ECONO KILN WIRING DIAGRAM**
MODELS JD230-PB & JD236-PB
Complete w/ DynaTrol Dynamic-Powered Bottom
208 or 220 or 240 Volts / 3 Phase

DRAWN BY **G.D.L.** REV. CODE **B** DRAWING NO. **K037-153**

DATE 12/3/97 SCALE 1 = 8

CHK APP

JOB NO STANDARD SER NO SHEET NO. | OF |

FILE NAME L:\EVL\KILN\SERIES IK038-153.dwg MADE FROM IK043-153.dwg