



| JD18-R REQUIREMENTS | |
|---------------------|--------------------|
| 208 VOLTS | 1 PHASE |
| 50-60 HZ | 7.26 KW |
| 34.9 AMPS | 50 A Class H FUSES |
| 220 VOLTS | 1 PHASE |
| 50-60 HZ | 7.26 KW |
| 33.0 AMPS | 40 A Class H FUSES |
| 240 VOLTS | 1 PHASE |
| 50-60 HZ | 7.26 KW |
| 30.3 AMPS | 40 A Class H FUSES |
| JD18-X REQUIREMENTS | |
| 208 VOLTS | 1 PHASE |
| 50-60 HZ | 8.3 KW |
| 39.8 AMPS | 50 A Class H FUSES |
| 220 VOLTS | 1 PHASE |
| 50-60 HZ | 8.3 KW |
| 37.6 AMPS | 50 A Class H FUSES |
| 240 VOLTS | 1 PHASE |
| 50-60 HZ | 8.3 KW |
| 34.5 AMPS | 50 A Class H FUSES |

ELECTRICAL PARTS LIST

| SYMBOL | QTY | DESCRIPTION | SHOP PART NO. | CUSTOMER PART NO. |
|---------|-----------|------------------------------|------------------|-------------------|
| PLUG | 1 | 72" POWER PLUG, NEMA 6-50P | E-CRD-372050-A1 | L-G-PC50/72 |
| 1TB | 1 | POWER CONNECTION BOARD | E-TER-2X6095-A1 | L-J-PBSM/01 |
| 1TAS | 1 | BARTLETT DYNATROL | T-DAW-LT3240-A1 | N-G-TO00/00 |
| T/C | 3 | THERMOCOUPLES (14 Ga - 18") | (COMPOSITE) | T-B-1814/00 |
| C | 3 | POWER RELAYS | E-CNT-EQ252Y-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-DR00/00 |
| P | VARIABLES | 22" PLUGS NEMA 6-15P | E-CRD-3220150-A1 | L-J-JC00/00 |
| 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 |
| B | 11/13/09 | UPDATED LOGO, ADDRESS, TITLE BLOCK, & BORDER |
| 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 / 1 Phase

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