

BALDOR® • *RELIANCE*

Product Information Packet

ECTM4103T

25HP, 1770RPM, 3PH, 60HZ, 284T, 1046M, TEAO, F1

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| Part Detail | | | | | | | |
|-------------|------|-------------|-------|----------------|----------|---------------|------------|
| Revision: | R | Status: | PRD/A | Change #: | | Proprietary: | No |
| Type: | AC | Prod. Type: | 1046M | Elec. Spec: | 10WGX209 | CD Diagram: | |
| Enclosure: | TEAO | Mfg Plant: | | Mech. Spec: | 10G189 | Layout: | |
| Frame: | 284T | Mounting: | F1 | Poles: | 04 | Created Date: | 02-08-2006 |
| Base: | RG | Rotation: | R | Insulation: | F | Eff. Date: | 08-08-2012 |
| Leads: | 9#10 | Literature: | | Elec. Diagram: | | Replaced By: | |

| Nameplate NP1260E | | | | | | | |
|-------------------|-------------------|----------------|------|-----|---|----|---|
| CAT.NO. | ECTM4103T | | | | | | |
| SPEC. | 10G189X209G1 | | | | | | |
| HP | 25 | | | | | | |
| VOLTS | 230/460 | | | | | | |
| AMP | 60/30 | | | | | | |
| RPM | 1770 | | | | | | |
| FRAME | 284T | HZ | 60 | PH | 3 | | |
| SER.F. | 1.15 | CODE | G | DES | B | CL | F |
| NEMA-NOM-EFF | 93.6 | PF | 84 | | | | |
| RATING | 40C AMB-CONT | | | | | | |
| CC | | USABLE AT 208V | 63.3 | | | | |
| DE | 6311 | ODE | 6309 | | | | |
| ENCL | TEAO | SN | | | | | |
| | 2050 FPM @ 520CFM | | | | | | |

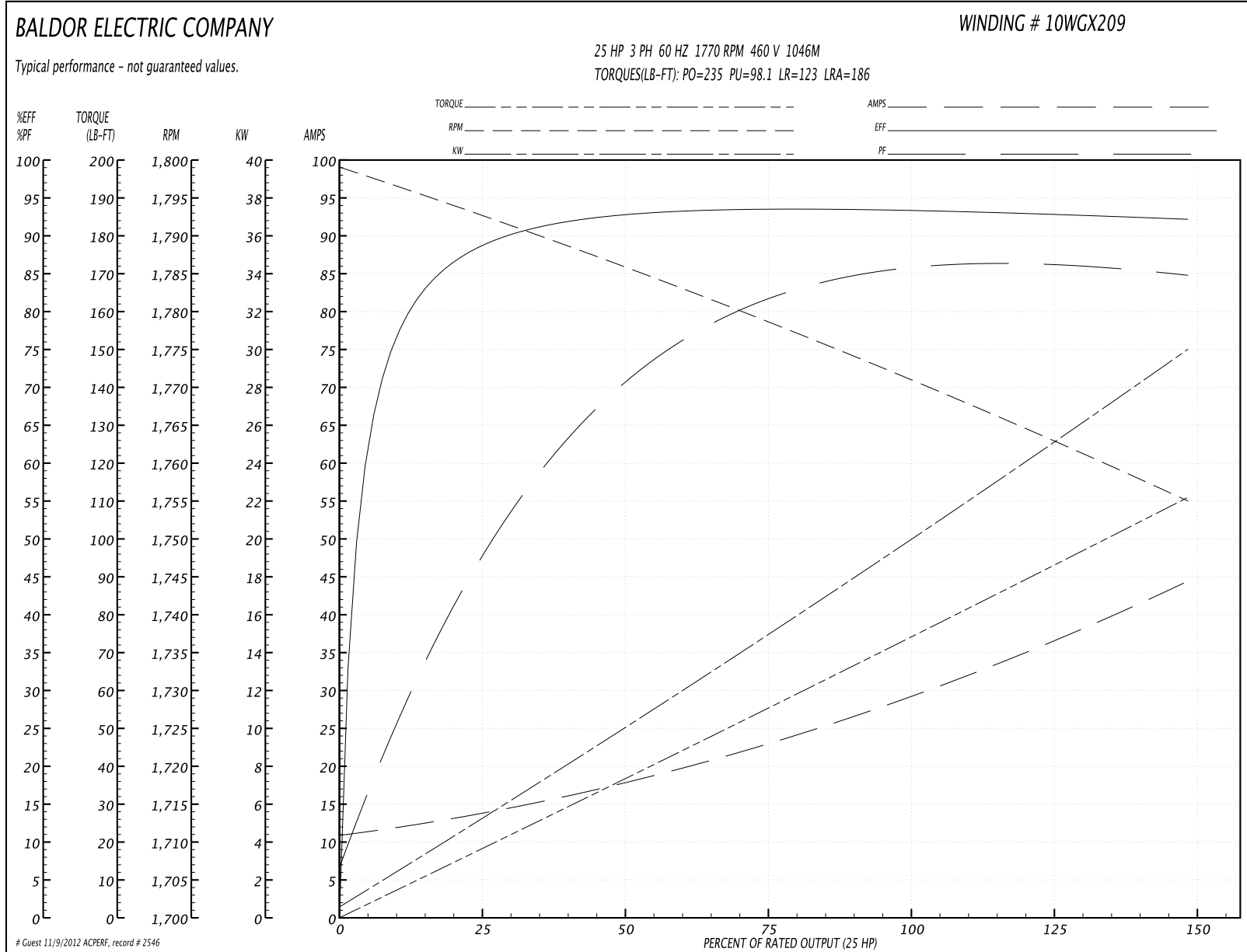
| Parts List | | |
|----------------|--|----------|
| Part Number | Description | Quantity |
| SA138803 | SA 10G189X209G1 | 1.000 EA |
| RA128338 | RA 10G189X209G1 | 1.000 EA |
| S/P107-000-004 | SUPER-E(284 FR. & UP)-CL PLANT,POLYREX E | 1.000 EA |
| 10CB1000A132P | SPL KOBX W/1.50 NPT LD & 2 .125 NPT DRAI | 1.000 EA |
| HA4044A00 | PLUG,PIPE 1/8 NPT PLASTIC SQUARE HEAD | 2.000 EA |
| 09GS1010 | GASKET, DWG, LEADWIRE SEPERATOR | 1.000 EA |
| 10XN3118K16 | 5/16-18 X 1" GRADE #5, STL, ZINC PLATE | 4.000 EA |
| HW1001A31 | LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I | 4.000 EA |
| WD1000B16 | KPA-4C BURNDY TERMINAL | 1.000 EA |
| 10XN2520K06 | 1/4-20 X 3/8" HX HD SCREWGRADE 5, ZINC P | 1.000 EA |
| HW1001A25 | LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I | 1.000 EA |
| 10EP1104A25P | FR EP. MACH W/EPOXY PRIMER LESS GREASER | 1.000 EA |
| HA7205 | "L" SHAPE LIFTING LUG FOR 37,39 & 40 FRA | 2.000 EA |
| 10XN3816K28 | 3/8-16 X 1.75 HEX HD CAP SCREW, GRADE 5 | 4.000 EA |
| HW1001A38 | LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I | 4.000 EA |
| HW1001A38 | LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I | 4.000 EA |
| HW5100A11 | W3917-042 WVY WSHR (WB) | 1.000 EA |
| 10EP1105A15P | PU EP. MACH W/EPOXY PRIMER, LESS GREASER | 1.000 EA |
| 10XN3816K28 | 3/8-16 X 1.75 HEX HD CAP SCREW, GRADE 5 | 4.000 EA |
| HW4600B40 | V-RING SLINGER 2.000 X 2.680 X 0.280 | 1.000 EA |
| 10XN3118K40 | 5/16-18 X 2.50" HEX HD, GRADE 5 | 4.000 EA |
| 10CB1503A01P | CONDUIT BOX LIPPED LID, MACH W/EPXY PRMR | 1.000 EA |
| 14GS1003 | GASKET CONDUIT BOX LID, NEOP | 1.000 EA |
| 10XN2520K16 | 1/4-20 X 1" HX HD SCRW GRADE 5, ZINC P | 4.000 EA |

| Parts List (continued) | | |
|------------------------|--|----------|
| Part Number | Description | Quantity |
| HW1001A25 | LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I | 4.000 EA |
| HW2501H28 | KEY, 1/2 SQ X 3.250 | 1.000 EA |
| MJ5001A01 | 46-665 RED SEALER | 0.031 QT |
| MJ5001A14 | DYNAPRO SEAL, CP MOTORS VC#2508050 (603 | 0.026 EA |
| LB1115 | LABEL,LIFTING DEVICE | 1.000 EA |
| LB1182 | WARNING LABEL FOR MOTORS WITH EYENUTS | 1.000 EA |
| LB1002 | LABEL,MARINE DUTY (ON ROLLS) | 1.000 EA |
| LB5040 | INSTRUCTION TAG, AC & DC | 1.000 EA |
| HA4001A01SP | DRAIN PLUG, PLASTIC (MICRO PLAS) | 1.000 EA |
| MJ1000A75 | GREASE, POLYREX EM EXXON | 0.130 LB |
| HA4001A01SP | DRAIN PLUG, PLASTIC (MICRO PLAS) | 1.000 EA |
| MG1025N19 | PAINT, 778.50 WILKO, RELIANCE ELEC GREEN | 0.070 GA |
| 85XU0407S04 | 4X1/4 U DRIVE PIN STAINLESS | 2.000 EA |
| LB1125C02 | SUPER-E (STOCK CTN LABEL SUPER-E WITH FL | 4.000 EA |
| LB1357 | ENERGY GUIDE LABEL (BOX LABEL) | 1.000 SH |
| LC0005E02 | SPL CONN.DIA./WARN.LABEL(LC0005/LB1119) | 1.000 EA |
| NP1260E | SS CP SUPER-E UL CSA CC | 1.000 EA |
| 10PA1000 | PACKAGING GROUP COMBINED PRINT PK1023A06 | 1.000 EA |

Performance Data at 460V, 60Hz, 25.0HP (Typical performance - Not guaranteed values)

| General Characteristics | | | | | | | |
|--------------------------|---------------------------------|--------|--------|----------------------|-------------|--------|--------|
| Full Load Torque: | 74.2 LB-FT | | | Start Configuration: | DOL | | |
| No-Load Current: | 11.3 Amps | | | Break-Down Torque: | 235.0 LB-FT | | |
| Line-line Res. @ 25°C.: | 0.307 Ohms A Ph / 0.0 Ohms B Ph | | | Pull-Up Torque: | 98.1 LB-FT | | |
| Temp. Rise @ Rated Load: | 52 C | | | Locked-Rotor Torque: | 123.0 LB-FT | | |
| Temp. Rise @ S.F. Load: | 63 C | | | Starting Current: | 186.0 Amps | | |
| Load Characteristics | | | | | | | |
| % of Rated Load | 25 | 50 | 75 | 100 | 125 | 150 | S.F. |
| Power Factor: | 50.0 | 73.0 | 81.0 | 85.0 | 86.0 | 85.0 | 86.0 |
| Efficiency: | 88.7 | 92.3 | 93.5 | 93.6 | 93.1 | 92.0 | 93.3 |
| Speed: | 1793.0 | 1785.0 | 1779.0 | 1771.0 | 1763.0 | 1755.0 | 1766.0 |
| Line Amperes: | 13.3 | 17.6 | 23.3 | 29.6 | 36.5 | 44.2 | 33.7 |

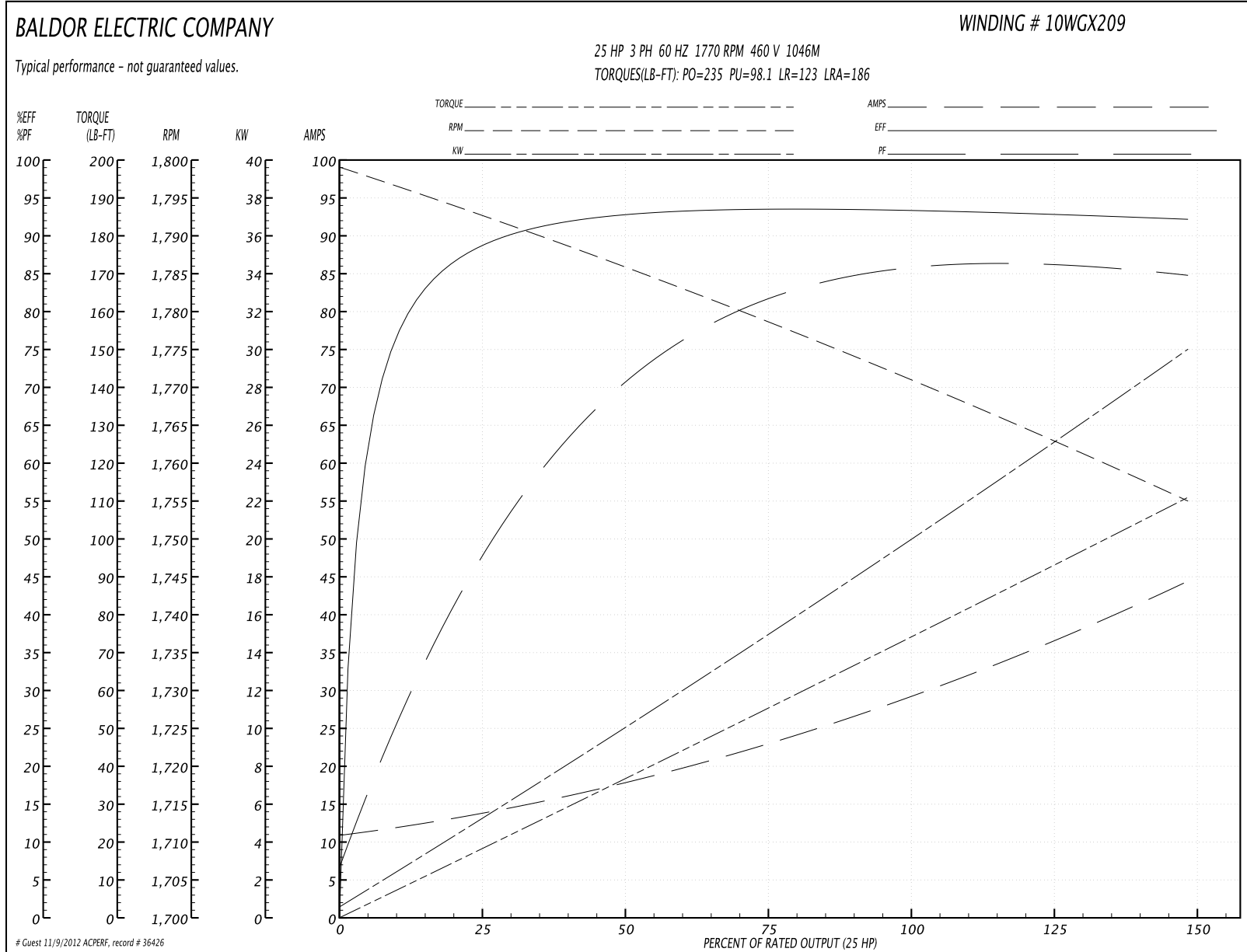
Performance Graph at 460V, 60Hz, 25.0HP Typical performance - Not guaranteed values



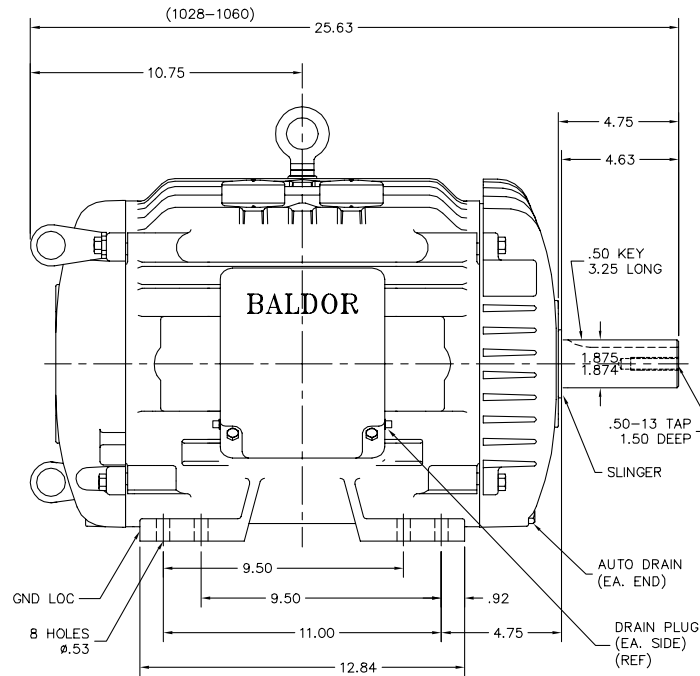
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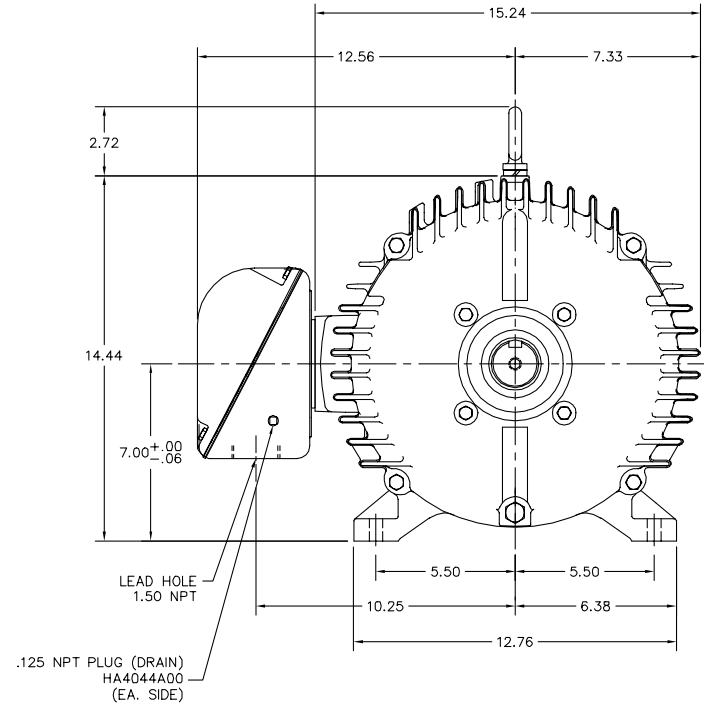
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10LYG189



CUSTOMER ONLY NOTE: FOR VERTICAL SHAFT UP LIFTING, REMOVE EYEBOLT FROM TOP OF MOTOR AND SCREW INTO END OF SHAFT.



CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

| | | |
|---|-----------------------------|-------------------|
| REV. DESC: UPDATE STACK RANGE TO 28 STACK | VERSION: 05 | TDR: 000000539383 |
| REV. LTR: E | REVISD: 01:47:03 05/05/2010 | BY: ENDANRO |
| FILE: \AAA\00133\696 | | |
| MTL: - | | |

BALDOR
 HORZ TEAO 284-6T CP, COOLING TOWER MTR, SLD BRGS, VERT LIFT
 SH 1 of 1

6819A701

CD0005



LOW VOLTAGE
(2Y)



LINE

HIGH VOLTAGE
(1Y)



LINE

NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

| | | | |
|---|---------|-------------------------|--------------|
| REV. DESC: REVISE TO SHOW OPTIONAL COLORS | | | |
| REV. LTR: E | BY: JLP | REVISED: 01/19/99 10:15 | TDR: 0171435 |
| 90000 | | FILE: AAA00005140 | MDL: - |
| | | MTL: - | |

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005