ABB BALDOR RELIANCE

# Customer information packet

## WCL1508T

5HP, 1725RPM, 1PH, 60HZ, 213TCZ, 3727L, OPSB, F
Class - None
Division - Not Applicable

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11/17/2026 1:42:18 AM

## Specifications

| | |
|---|---|
| **Enclosure** | OPSB |
| **Frame** | 213TCZ |
| **Frame Material** | Steel |
| **Frequency** | 60.00 Hz |
| **Haz Area Class and Group** | None |
| **Haz Area Division** | Not Applicable |
| **Motor Letter Type** | Cap Start, Induction Run |
| **Output @ Frequency** | 5.000 HP @ 60 HZ |
| **Phase** | 1 |
| **Synchronous Speed @ Frequency** | 1800 RPM @ 60 HZ |
| **Voltage @ Frequency** | 230.0 V @ 60 HZ |
| **Agency Approvals** | C UR US |
| **Ambient Temperature** | 40 °C |
| **Auxiliary Box** | NO AUXILLARY BOX |
| **Auxiliary Box Lead Termination** | None |
| **Base Indicator** | Rigid |
| **Bearing Grease Type** | Polyrex EM (-20F +300F) |
| **Blower** | None |
| **Current @ Voltage** | 27.000 A @ 230.0 V |
| **Design Code** | L |
| **Drip Cover** | No Drip Cover |
| **Duty Rating** | CONT |
| **Efficiency @ 100% Load** | 77.0 % |
| **Electrically Isolated Bearing** | Not Electrically Isolated |
| **Feedback Device** | NO FEEDBACK |
| **Front Face Code** | Standard |
| **Front Shaft Indicator** | None |
| **Heater Indicator** | No Heater |
| **High Voltage Full Load Amps** | 27.0 a |
| **Insulation Class** | F |
| **Inverter Code** | Not Inverter |
| **KVA Code** | G |

## Part Detail

| | |
|---|---|
| **Revision** | X |
| **Type** | AC |
| **Mech. spec.** | 37K240 |
| **Base** | |
| **Status** | PRD/A |
| **Elec. spec.** | 37WGT912 |
| **Layout** | 37LYK240 |
| **Eff. date** | 05-13-2024 |
| **CD Diagram** | CD0017A01 |
| **Poles** | 04 |
| **Leads** | 2#10 A PH,2#14 B PH |
| **Proprietary** | False |
| **Created date** | 06-23-2006 |

| | |
|---|---|
| **Lifting Lugs** | Standard Lifting Lugs |
| **Locked Bearing Indicator** | Locked Bearing |
| **Motor Lead Exit** | Ko Box |
| **Motor Lead Quantity/Wire Size** | 2 @ 10 AWG, A PH |
| **Motor Lead Termination** | Flying Leads |
| **Motor Standards** | NEMA |
| **Motor Type** | 3727L |
| **Mounting Arrangement** | F1 |
| **Number of Poles** | 4 |
| **Overall Length** | 21.25 IN |
| **Power Factor** | 78 |
| **Product Family** | General Purpose |
| **Pulley End Bearing Type** | Ball |
| **Pulley Face Code** | C-Face |
| **Pulley Shaft Indicator** | Standard |
| **Rodent Screen** | Included |
| **Service Factor** | 1.15 |
| **Shaft Diameter** | 0.875 IN |
| **Shaft Extension Location** | Pulley End |
| **Shaft Ground Indicator** | No Shaft Grounding |
| **Shaft Rotation** | Reversible |
| **Shaft Slinger Indicator** | No Slinger |
| **Speed** | 1725 rpm |
| **Speed Code** | Single Speed |
| **Starting Method** | Direct on line |
| **Thermal Device - Bearing** | None |
| **Thermal Device - Winding** | None |
| **Vibration Sensor Indicator** | No Vibration Sensor |
| **Winding Thermal 1** | None |
| **Winding Thermal 2** | None |

**Nameplate**

| NP1256L | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **CAT.NO.** | WCL1508T | | | | | | | | | | |
| **SPEC.** | 37K240T912 | | | | | | | | | | |
| **HP** | 5 | | | | | | | | | | |
| **VOLTS** | 230 | | | | | | | | | | |
| **AMP** | 27 | | | | | | | | | | |
| **RPM** | 1725 | | | | | | | | | | |
| **FRAME** | 213TCZ | | **HZ** | 60 | | | **PH** | 1 | | | |
| **SER.F.** | 1.15 | **CODE** | G | **DES** | L | **CLASS** | F | | | | |
| **NEMA-NOM-EFF** | 77 | **PF** | 78 | | | | | | | | |
| **RATING** | 40C AMB-CONT | | | | | | | | | | |
| **CC** | | | | | | | | | | | |
| **DE** | 6309 | | **ODE** | 6206 | | | | | | | |
| **ENCL** | OPSB | **SN** | | | | | | | | | |

**AC Induction Motor Performance Data**
Record # 61328
Typical performance - not guaranteed values

**Winding:** 37WGT912-R002 **Type:** 3727L **Enclosure:** OPSB

| Nameplate Data | | | |
|---|---|---|---|
| **Rated Output (HP)** | | | 5 |
| **Volts** | | | 230 |
| **Full Load Amps** | | | 27 |
| **R.P.M.** | | | 1725 |
| **Hz** | 60 | **Phase** | 1 |
| **NEMA Design Code** | L | **KVA Code** | G |
| **Service Factor (S.F.)** | | | 1.15 |
| **NEMA Nom. Eff.** | 77 | **Power Factor** | 78 |
| **Rating - Duty** | | | 40C AMB-CONT |
| **S.F. Amps** | | | |

| 230 V, 60 Hz: Single Voltage Motor | |
|---|---|
| **Full Load Torque** | 15.3 LB-FT |
| **Start Configuration** | direct on line |
| **Breakdown Torque** | 43 LB-FT |
| **Pull-up Torque** | 30.8 LB-FT |
| **Locked-rotor Torque** | 46.9 LB-FT |
| **Starting Current** | 132 A |
| **No-load Current** | 14.3 A |
| **Line-line Res. @ 25ºC** | 0.352 Ω A Ph<br>1.48 Ω B Ph |
| **Temp. Rise @ Rated Load** | 68°C |
| **Temp. Rise @ S.F. Load** | 88°C |

**Load Characteristics 230 V, 60 Hz, 5 HP**

| % of Rated Load | 25 | 50 | 75 | 100 | 125 | 150 | S.F. |
|---|---|---|---|---|---|---|---|
| **Power Factor** | 38 | 58 | 71 | 78 | 81 | 82 | 80 |
| **Efficiency** | 71.1 | 79.4 | 78 | 77.1 | 74.1 | 67.1 | 75.3 |
| **Speed** | 1781 | 1766 | 1749 | 1728 | 1699 | 1653 | 1711 |
| **Line amperes** | 14.9 | 17.5 | 21.9 | 27.1 | 33.9 | 44.4 | 31.2 |

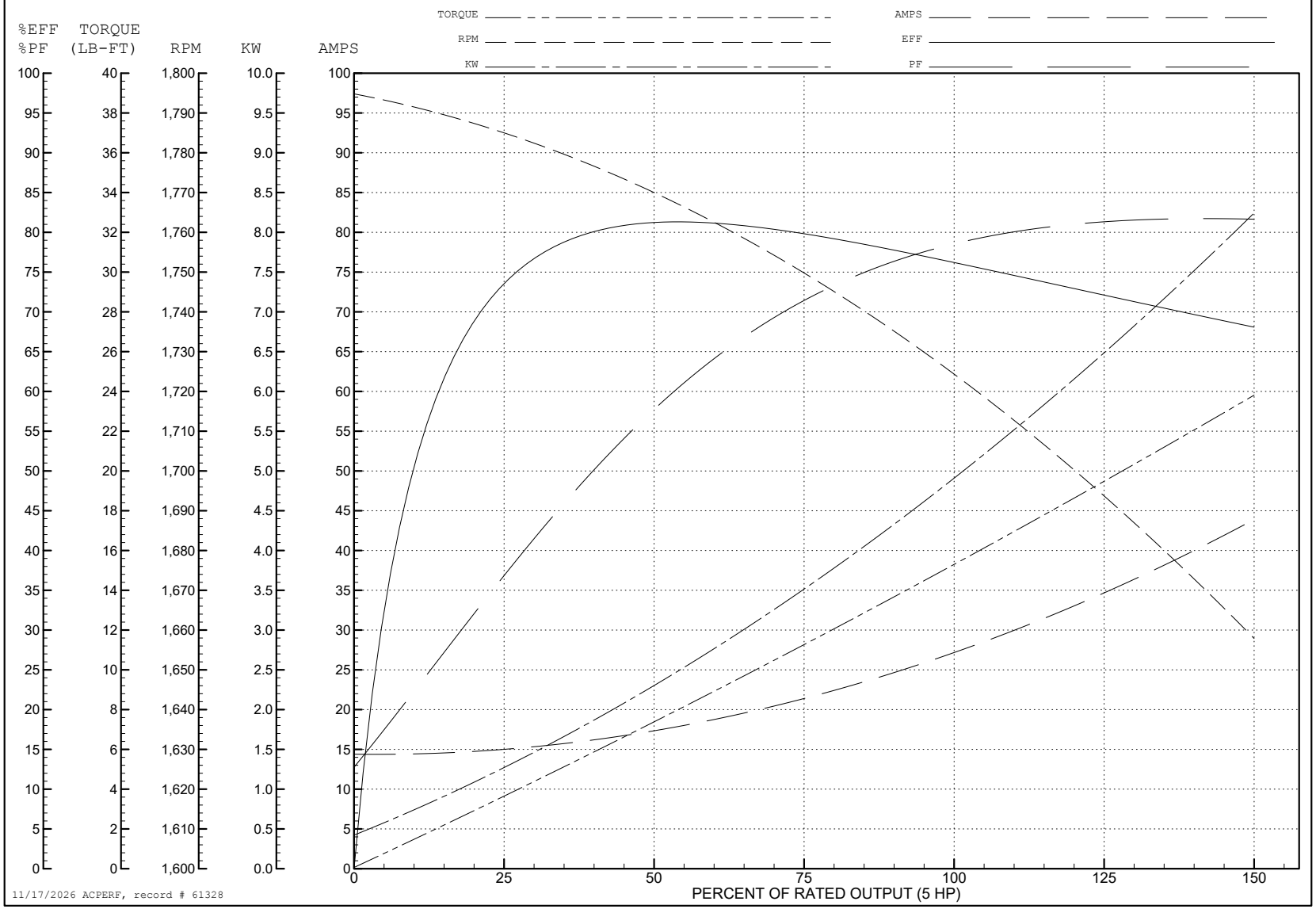
ABB Motors and Mechanical Inc.

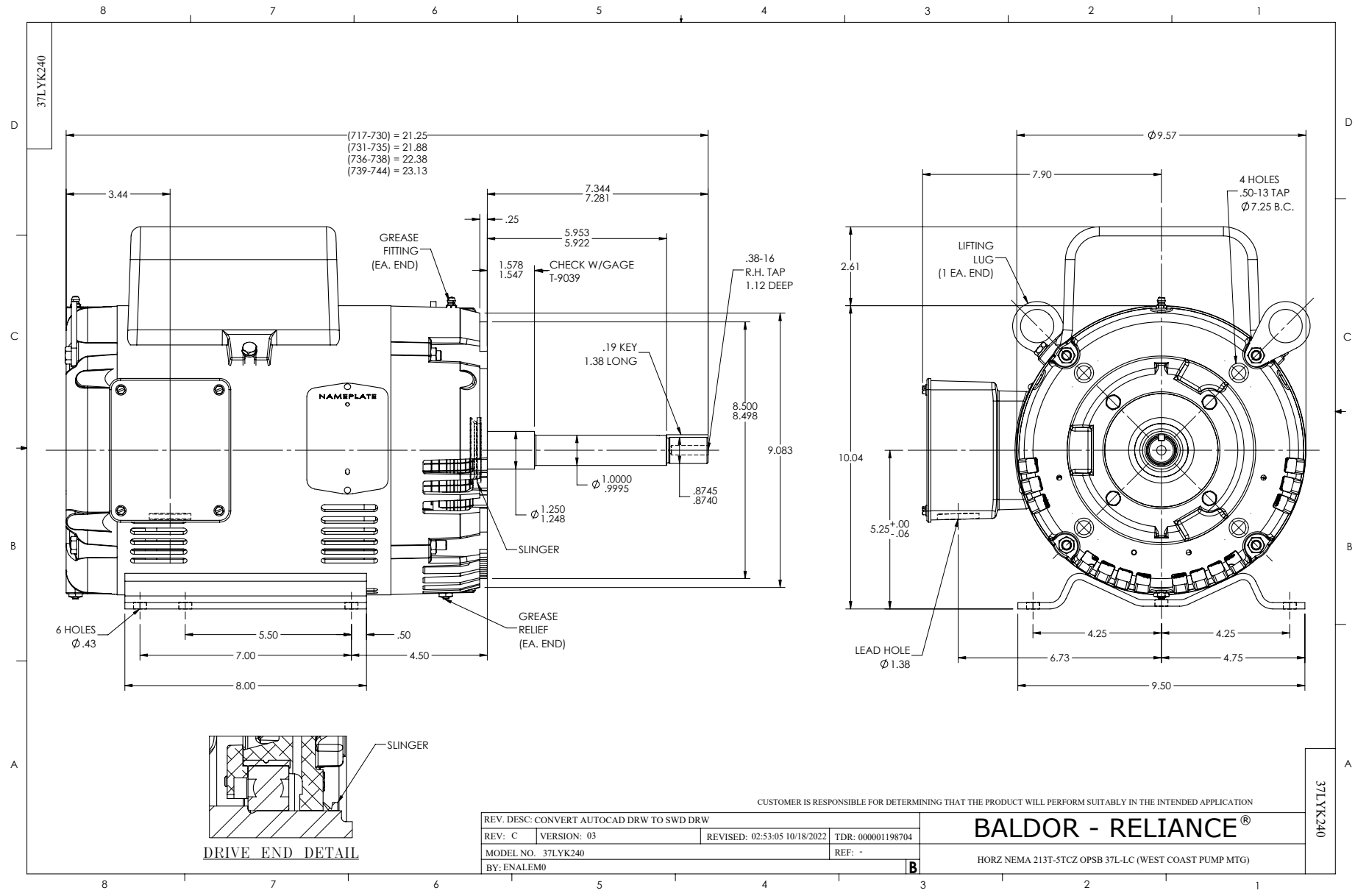
WINDING # 37WGT912

5 HP 1 PH 60 HZ 1725 RPM 230 V 3727L

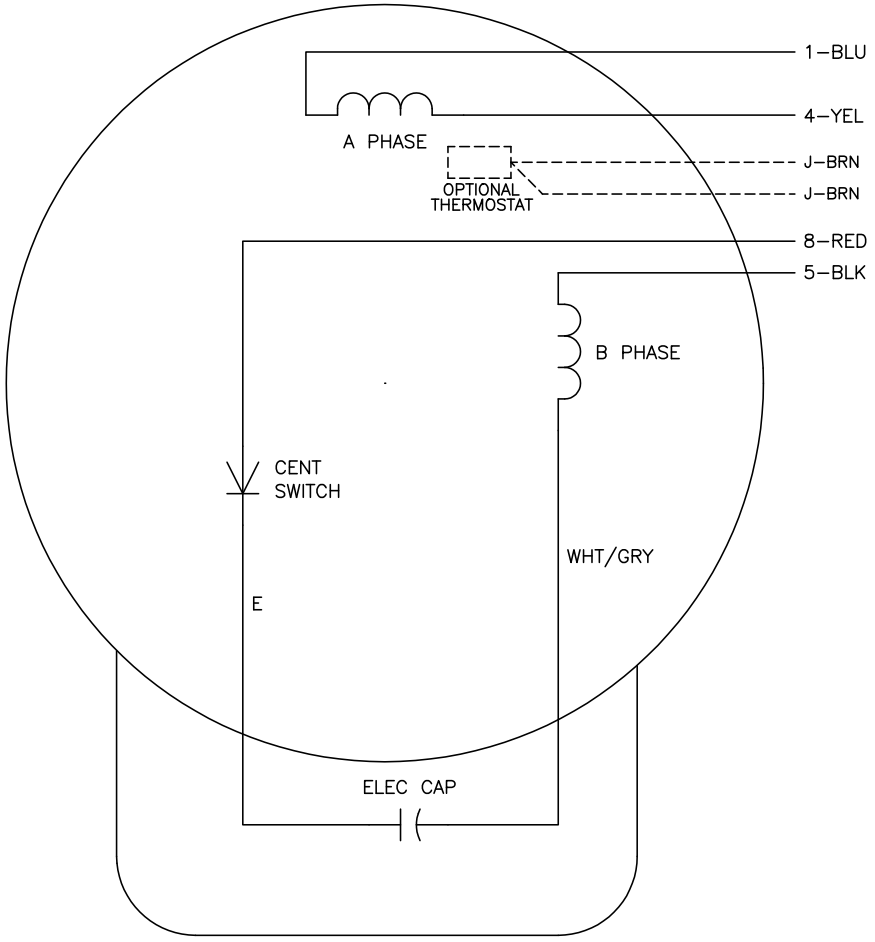
Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=43 PU=30.8 LR=46.9 LRA=132




37LYK240
(717-730) = 21.25
(731-735) = 21.88
(736-738) = 22.38
(739-744) = 23.13
3.44
7.344
7.281
.25
5.953
5.922
GREASE FITTING (EA. END)
1.578
1.547
CHECK W/GAGE T-9039
.38-16 R.H. TAP 1.12 DEEP
.19 KEY 1.38 LONG
NAMEPLATE
8.500
8.498
9.083
Ø 1.0000 .9995
.8745 .8740
Ø 1.250 1.248
SLINGER
GREASE RELIEF (EA. END)
6 HOLES Ø.43
5.50
.50
7.00
4.50
8.00
Ø9.57
7.90
4 HOLES .50-13 TAP Ø7.25 B.C.
LIFTING LUG (1 EA. END)
2.61
10.04
5.25 +.00 -.06
LEAD HOLE Ø1.38
4.25
4.25
6.73
4.75
9.50
SLINGER
DRIVE END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CONVERT AUTOCAD DRW TO SWD DRW
REV: C
VERSION: 03
REVISED: 02:53:05 10/18/2022
TDR: 000001198704
MODEL NO. 37LYK240
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
HORZ NEMA 213T-5TCZ OPSB 37L-LC (WEST COAST PUMP MTG)
37LYK240

CD0017A01




| | LINE A | LINE B |
|---|---|---|
| STD | 1,8 | 4,5 |
| OPP | 1,5 | 4,8 |

NOTES:

1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
2. OPTIONAL THERMOSTAT IS PROVIDED WHEN SPECIFIED.
3. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0017A01

| | | | |
|---|---|---|---|
| REV. DESC: REVISE TO SHOW OPTIONAL COLORS | | | BALDOR ELECTRIC Co. |
| REV. LTR: B | BY: JLP | REVISED: 04/08/99 1:18 | TDR: 0178636 |
| CD0017A01 | | FILE: AAA00007513 | MDL: – |
| | | MTL: – | TYPE L, SV, REV, 4 LEADS |