ABB BALDOR RELIANCE

# Customer information packet

XL18162

1HP, 1140RPM, 1PH, 60HZ, 184, 3634L, XPFC, F1
Class - CLI GP D; CLII GP F,G
Division - Division I


9/3/2026 2:25:17 AM

## Specifications

| | |
|---|---|
| **Enclosure** | XPFC |
| **Frame** | 184 |
| **Frame Material** | Steel |
| **Frequency** | 60.00 Hz |
| **Haz Area Class and Group** | CLI GP D; CLII GP F,G |
| **Haz Area Division** | Division I |
| **Motor Letter Type** | Cap Start, Induction Run |
| **Output @ Frequency** | 1.000 HP @ 60 HZ |
| **Phase** | 1 |
| **Synchronous Speed @ Frequency** | 1200 RPM @ 60 HZ |
| **Voltage @ Frequency** | 230.0 V @ 60 HZ |
| | 115.0 V @ 60 HZ |
| | 208.0 V @ 60 HZ |
| **Agency Approvals** | CSA |
| | UL |
| **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** | 15.100 A @ 115.0 V |
| | 7.400 A @ 208.0 V |
| | 7.500 A @ 230.0 V |
| **Design Code** | L |
| **Drip Cover** | No Drip Cover |
| **Duty Rating** | CONT |
| **Efficiency @ 100% Load** | 67.0 % |
| **Electrically Isolated Bearing** | Not Electrically Isolated |
| **Feedback Device** | NO FEEDBACK |
| **Haz Area Temp Code** | T3C |
| **Heater Indicator** | No Heater |

## Part Detail

| | |
|---|---|
| **Revision** | D |
| **Type** | AC |
| **Mech. spec.** | |
| **Base** | |
| **Status** | PRD/A |
| **Elec. spec.** | 36WGA0040 |
| **Layout** | 36LYN007 |
| **Eff. date** | 10-10-2025 |
| **CD Diagram** | CD0001 |
| **Poles** | 06 |
| **Leads** | 6#16 |
| **Proprietary** | False |
| **Created date** | 05-05-2021 |

| | |
|---|---|
| **High Voltage Full Load Amps** | 7.4 a |
| **Insulation Class** | F |
| **Inverter Code** | Not Inverter |
| **IP Rating** | NONE |
| **KVA Code** | K |
| **Lifting Lugs** | No Lifting Lugs |
| **Locked Bearing Indicator** | No Locked Bearing |
| **Motor Lead Termination** | Flying Leads |
| **Motor Standards** | NEMA |
| **Motor Type** | 3634L |
| **Mounting Arrangement** | F1 |
| **Number of Poles** | 6 |
| **Overall Length** | 16.92 IN |
| **Power Factor** | 63 |
| **Product Family** | General Purpose |
| **Pulley Face Code** | Standard |
| **Rodent Screen** | None |
| **Service Factor** | 1.15 |
| **Shaft Diameter** | 0.875 IN |
| **Shaft Ground Indicator** | No Shaft Grounding |
| **Shaft Rotation** | Reversible |
| **Speed** | 1140 rpm |
| **Speed Code** | Single Speed |
| **Starting Method** | Direct on line |
| **Thermal Device - Bearing** | None |
| **Thermal Device - Winding** | Normally Closed Thermostat |
| **Vibration Sensor Indicator** | No Vibration Sensor |
| **Winding Thermal 1** | None |
| **Winding Thermal 2** | None |

**Nameplate**

| NP1426XPSL | | | | | | | |
|---|---|---|---|---|---|---|---|
| **NO.** | | **CC** | | | | | |
| **SER.** | | | | | | | |
| **SPEC.** | 36-0000-0520 | | | | | | |
| **CAT.NO.** | XL18162 | | | | | | |
| **HP** | 1 | **T. CODE** | T3C | | | | |
| **VOLTS** | 115/208-230 | | | | | | |
| **AMPS** | 15.1/7.4-7.5 | | | | | | |
| **RPM** | 1140 | | | | | | |
| **HZ** | 60 | **PH** | 1 | **CL** | F | | |
| **SER.F.** | 1.15 | **DES** | L | **CODE** | K | | |
| **RATING** | 40C AMB-CONT | | | | | | |
| **FRAME** | 184 | **NEMA-NOM-EFF** | | | 67 | | |
| | **PF** | 63 | | | | | |
| **BLANK** | NEMA MG-1 PART 5, IP54 | | | | | | |

**AC Induction Motor Performance Data**
Record # 88072
Typical performance - not guaranteed values

| **Winding:** 36WG0608 | **Type:** 3634L | **Enclosure:** XPFC |
|---|---|---|

| **Nameplate Data** | | | |
|---|---|---|---|
| **Rated Output (HP)** | | 1 | |
| **Volts** | | 115/208-230 | |
| **Full Load Amps** | | 15.1/7.4-7.5 | |
| **R.P.M.** | | 1140 | |
| **Hz** | 60 **Phase** | 1 | |
| **NEMA Design Code** | L **KVA Code** | K | |
| **Service Factor (S.F.)** | | 1.15 | |
| **NEMA Nom. Eff.** | 67 **Power Factor** | 63 | |
| **Rating - Duty** | | 40C AMB-CONT | |
| **S.F. Amps** | | 16.6/8.4-8.3 | |

| **115 V, 60 Hz: Low Voltage Connection** | |
|---|---|
| **Full Load Torque** | 4.5 LB-FT |
| **Start Configuration** | Unknown |
| **Breakdown Torque** | 11 LB-FT |
| **Pull-up Torque** | 8.91 LB-FT |
| **Locked-rotor Torque** | 12.7 LB-FT |
| **Starting Current** | 67.9 A |
| **No-load Current** | 11.1 A |
| **Line-line Res. @ 25ºC** | 0.417 Ω A Ph<br>1.84 Ω B Ph |
| **Temp. Rise @ Rated Load** | 69°C |
| **Temp. Rise @ S.F. Load** | 77°C |
| **Locked-rotor Power Factor** | 85.1 |
| **Rotor inertia** | 0.319 lb-ft² |

**Load Characteristics 115 V, 60 Hz, 1 HP**

| **% of Rated Load** | **25** | **50** | **75** | **100** | **125** | **150** | **S.F.** |
|---|---|---|---|---|---|---|---|
| **Power Factor** | 30 | 43 | 53 | 62 | 68 | 72 | 66 |
| **Efficiency** | 47.4 | 62.8 | 69.5 | 72.6 | 73.6 | 73.3 | 73.2 |
| **Speed** | 1192 | 1185 | 1177 | 1169 | 1160 | 1149 | 1164 |
| **Line amperes** | 11.4 | 12.1 | 13.1 | 14.5 | 16.3 | 18.5 | 15.6 |

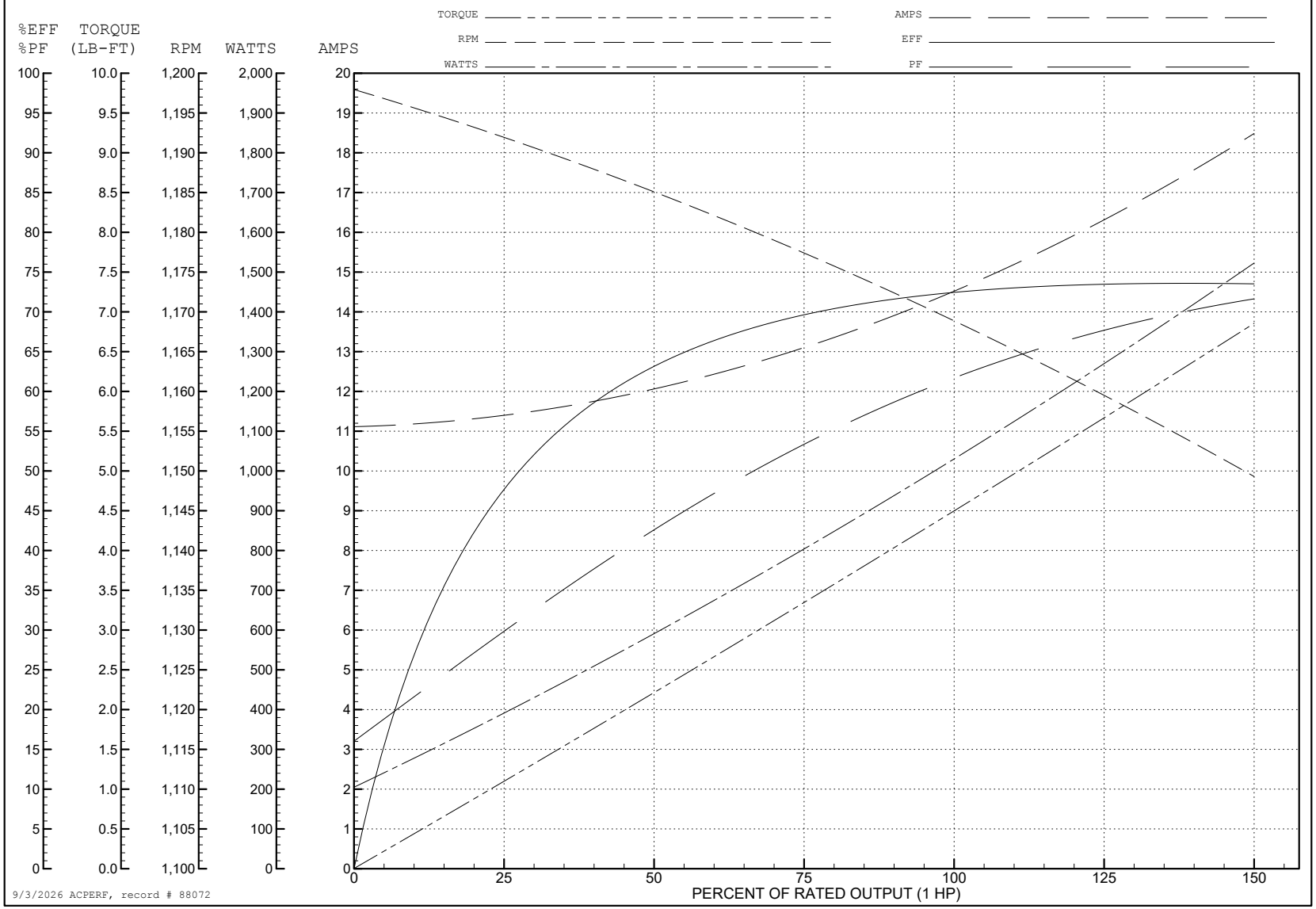
ABB Motors and Mechanical Inc.

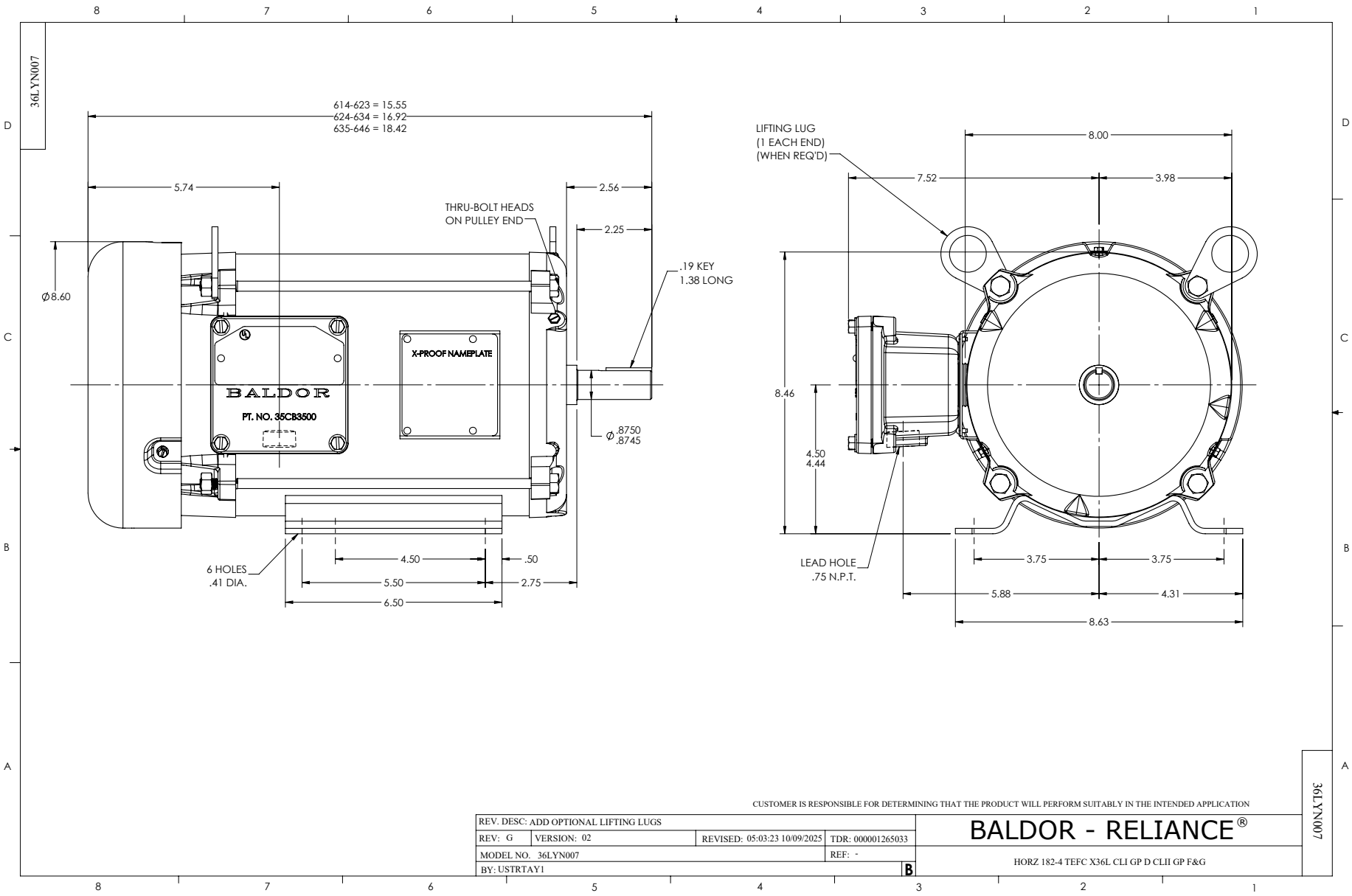
WINDING # 36WG0608

1 HP 1 PH 60 HZ 1140 RPM 115 V 3634L

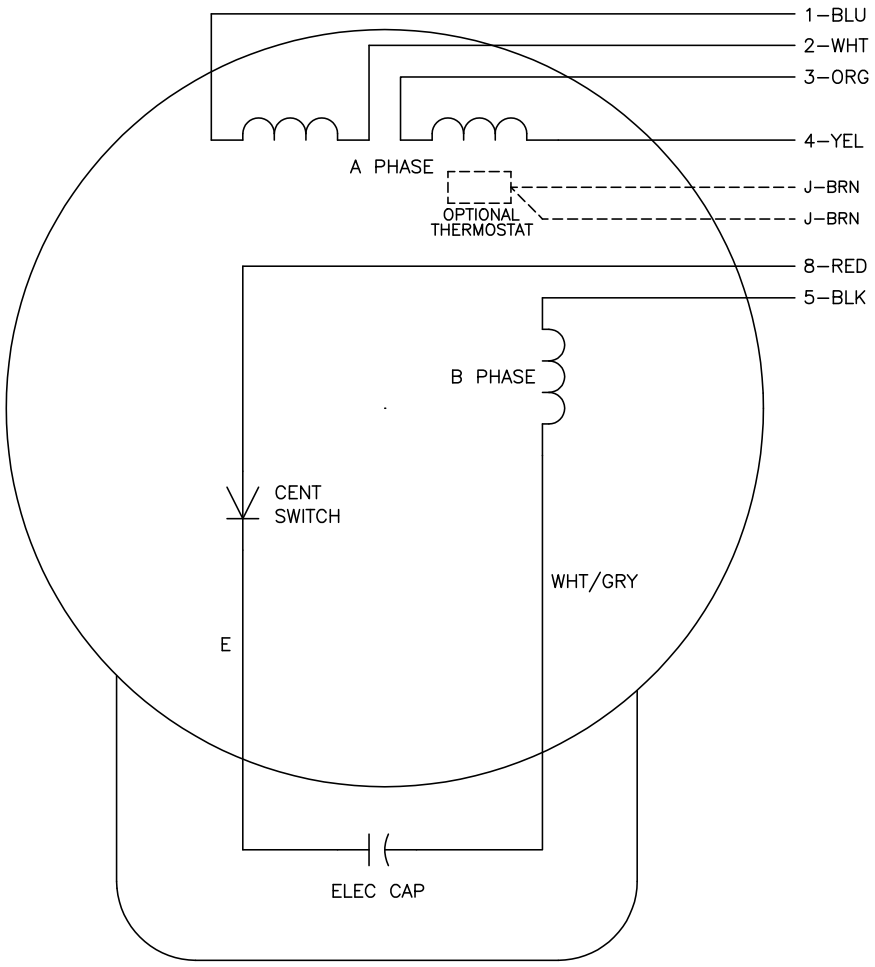
Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=11 PU=8.91 LR=12.7 LRA=67.9




36LYN007
614-623 = 15.55
624-634 = 16.92
635-646 = 18.42
5.74
2.56
2.25
THRU-BOLT HEADS ON PULLEY END
.19 KEY
1.38 LONG
Ø8.60
X-PROOF NAMEPLATE
BALDOR
PT. NO. 35CB3500
Ø .8750
.8745
6 HOLES
.41 DIA.
4.50
.50
5.50
2.75
6.50
LIFTING LUG
(1 EACH END)
(WHEN REQ'D)
8.00
7.52
3.98
8.46
4.50
4.44
LEAD HOLE
.75 N.P.T.
3.75
3.75
5.88
4.31
8.63
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: ADD OPTIONAL LIFTING LUGS
REV: G
VERSION: 02
REVISED: 05:03:23 10/09/2025
TDR: 000001265033
MODEL NO. 36LYN007
REF: -
BY: USTRTAY1
B
BALDOR - RELIANCE®
HORZ 182-4 TEFC X36L CLI GP D CLII GP F&G
36LYN007

CD0001




| | LINE A | LINE B | JOIN |
|---|---|---|---|
| HIGH STD | 1 | 4,5 | 2,3,8 |
| HIGH OPP | 1 | 4,8 | 2,3,5 |
| LOW STD | 1,3,8 | 2,4,5 | – |
| LOW OPP | 1,3,5 | 2,4,8 | – |

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.

| | | | |
|---|---|---|---|
| REV. DESC: REVISE TO SHOW OPTIONAL COLORS | | | BALDOR ELECTRIC Co. |
| REV. LTR: D | BY: JLP | REVISED: 04/08/99 1:16 | TDR: 0178636 |
| CD0001 | | FILE: AAA00007405 | MDL: – |
| | | MTL: – | TYPE L, DV, REV, 6 LEADS |

CD0001