ABB BALDOR RELIANCE

# Customer information packet

## CEWDM3611T

30M 4P TEFC HOR 182TC SP.#9 (HOSE DOWN
Class - None
Division - Not Applicable

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11/4/2026 9:06:14 AM

## Specifications

| | |
|---|---|
| **Enclosure** | TEFC |
| **Frame** | 182TC |
| **Frame Material** | Steel |
| **Frequency** | 60.00 Hz |
| **Haz Area Class and Group** | None |
| **Haz Area Division** | Not Applicable |
| **Motor Letter Type** | Three Phase |
| **Output @ Frequency** | 3.000 HP @ 60 HZ |
| **Phase** | 3 |
| **Synchronous Speed @ Frequency** | 1800 RPM @ 60 HZ |
| **Voltage @ Frequency** | 230.0 V @ 60 HZ |
| | 460.0 V @ 60 HZ |
| **Agency Approvals** | NEMA PREMIUM |
| **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** | 8.800 A @ 208.0 V |
| | 8.320 A @ 230.0 V |
| | 4.160 A @ 460.0 V |
| **Design Code** | B |
| **Drip Cover** | No Drip Cover |
| **Duty Rating** | CONT |
| **Efficiency @ 100% Load** | 89.5 % |
| **Electrically Isolated Bearing** | Not Electrically Isolated |
| **Feedback Device** | NO FEEDBACK |
| **Front Shaft Indicator** | None |
| **Heater Indicator** | No Heater |
| **High Voltage Full Load Amps** | 4.2 a |
| **Insulation Class** | F |

## Part Detail

| | |
|---|---|
| **Revision** | - |
| **Type** | AC |
| **Mech. spec.** | 36K190 |
| **Base** | |
| **Status** | PRD/A |
| **Elec. spec.** | 36WGZ650 |
| **Layout** | 36LYK190 |
| **Eff. date** | 04-21-2026 |
| **CD Diagram** | CD0005 |
| **Poles** | 04 |
| **Leads** | 9#16 |
| **Proprietary** | False |
| **Created date** | 01-12-2026 |

| | |
|---|---|
| **Inverter Code** | Inverter Ready |
| **KVA Code** | K |
| **Lifting Lugs** | No Lifting Lugs |
| **Locked Bearing Indicator** | Locked Bearing |
| **Motor Lead Quantity/Wire Size** | 9 @ 16 AWG |
| **Motor Lead Termination** | Flying Leads |
| **Motor Standards** | NEMA |
| **Motor Type** | 3630M |
| **Mounting Arrangement** | F1 |
| **Number of Poles** | 4 |
| **Overall Length** | 16.54 IN |
| **Power Factor** | 74 |
| **Product Family** | Wash Down |
| **Pulley End Bearing Type** | Ball |
| **Pulley Face Code** | C-Face |
| **Pulley Shaft Indicator** | Standard |
| **Rodent Screen** | None |
| **Service Factor** | 1.15 |
| **Shaft Diameter** | 1.125 IN |
| **Shaft Ground Indicator** | No Shaft Grounding |
| **Shaft Rotation** | Reversible |
| **Shaft Slinger Indicator** | No Slinger |
| **Speed** | 1764 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**

| NP1669L | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **CAT.NO.** | CEWDM3611T | | | | | | | | |
| **SPEC.** | 36K190Z650 | | | | | | | | |
| **HP** | 3 | | | | | | | | |
| **VOLTS** | 230/460 | | | | | | | | |
| **AMP** | 8.4/4.2 | | | | | | | | |
| **RPM** | 1765 | | | | | | | | |
| **FRAME** | 182TC | **HZ** | 60 | | | **PH** | 3 | | |
| **SER.F.** | 1.15 | **CODE** | K | **DES** | B | **CLASS** | F | | |
| **NEMA-NOM-EFF** | 89.5 | **PF** | 74 | | | | | | |
| **RATING** | 40C AMB-CONT | | | | | | | | |
| **CC** | 010A | | | | | | | | |
| **DE** | 6206 | **ODE** | 6205 | | | | | | |
| **ENCL** | TEFC | **SN** | | | | | | | |
| **BLANK** | 20:1CT, 20:1VT | | | | | | | | |

**AC Induction Motor Performance Data**
Record # 115759
Typical performance - not guaranteed values

| **Winding:** 36WGZ650-R001 | **Type:** 3630M | **Enclosure:** TEFC |
|---|---|---|

| **Nameplate Data** | | | | **460 V, 60 Hz: High Voltage Connection** | |
|---|---|---|---|---|---|
| **Rated Output (HP)** | | | 3 | **Full Load Torque** | 8.942 LB-FT |
| **Volts** | | | 230/460 | **Start Configuration** | direct on line |
| **Full Load Amps** | | | 8.4/4.2 | **Breakdown Torque** | 38.2 LB-FT |
| **R.P.M.** | | | 1765 | **Pull-up Torque** | 19.1 LB-FT |
| **Hz** | 60 | **Phase** | 3 | **Locked-rotor Torque** | 22.4 LB-FT |
| **NEMA Design Code** | B | **KVA Code** | K | **Starting Current** | 32.2 A |
| **Service Factor (S.F.)** | | | 1.15 | **No-load Current** | 2.38 A |
| **NEMA Nom. Eff.** | 89.5 | **Power Factor** | 74 | **Line-line Res. @ 25ºC** | 3.8717 Ω |
| **Rating - Duty** | | | 40C AMB-CONT | **Temp. Rise @ Rated Load** | 46°C |
| **S.F. Amps** | | | 9.4/4.7 | **Temp. Rise @ S.F. Load** | 56°C |
| | | | | **Locked-rotor Power Factor** | 42.6 |
| | | | | **Rotor inertia** | 0.279 lb-ft² |

**Load Characteristics 460 V, 60 Hz, 3 HP**

| **% of Rated Load** | **25** | **50** | **75** | **100** | **125** | **150** | **S.F.** |
|---|---|---|---|---|---|---|---|
| **Power Factor** | 33 | 54 | 67 | 74 | 79 | 81 | 77 |
| **Efficiency** | 82.2 | 88.4 | 89.8 | 89.8 | 89 | 87.9 | 89.3 |
| **Speed** | 1790.7 | 1781.4 | 1771.4 | 1761.2 | 1749.9 | 1738.7 | 1754 |
| **Line amperes** | 2.54 | 2.94 | 3.51 | 4.2 | 4.99 | 5.87 | 4.67 |

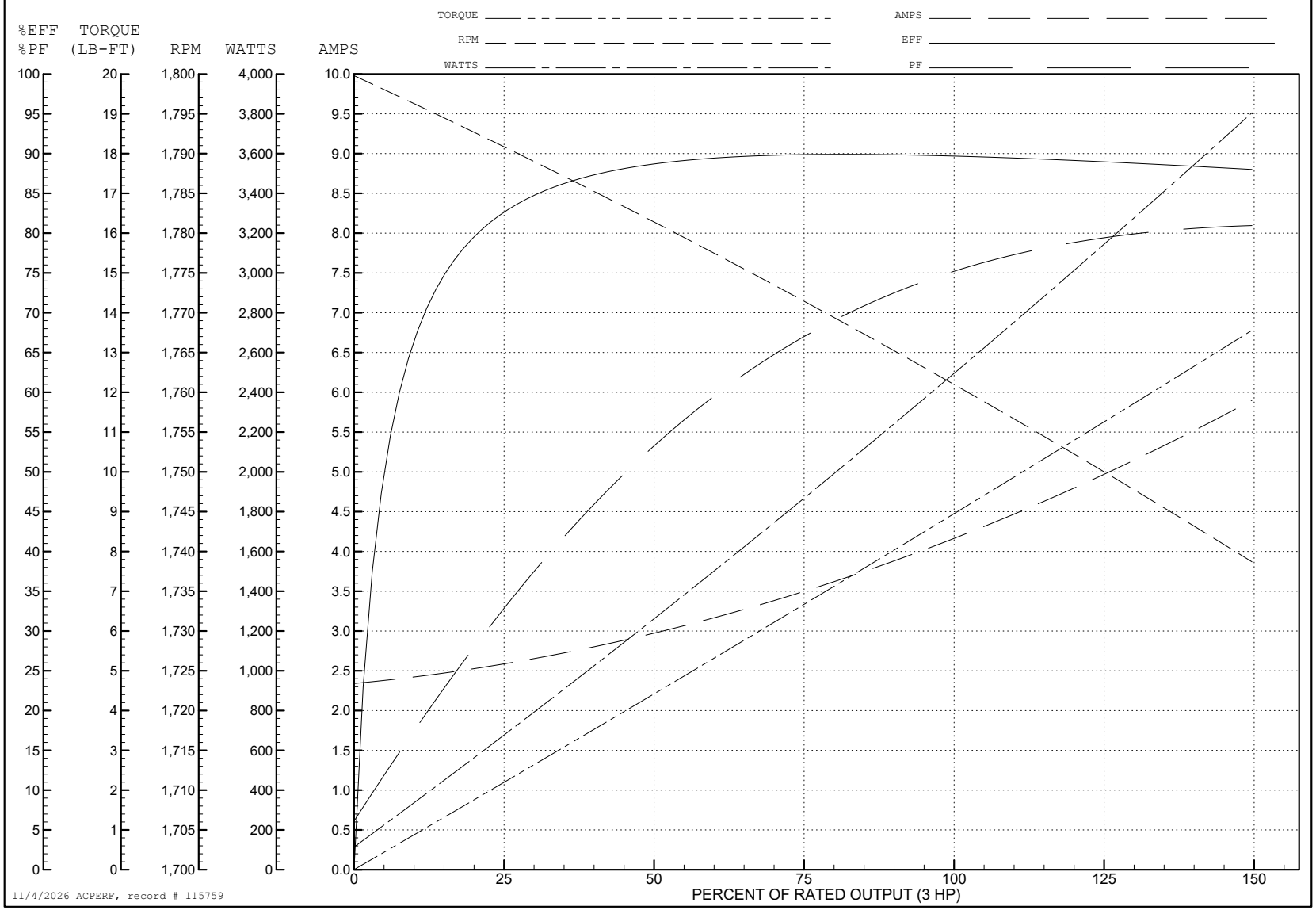
ABB Motors and Mechanical Inc.

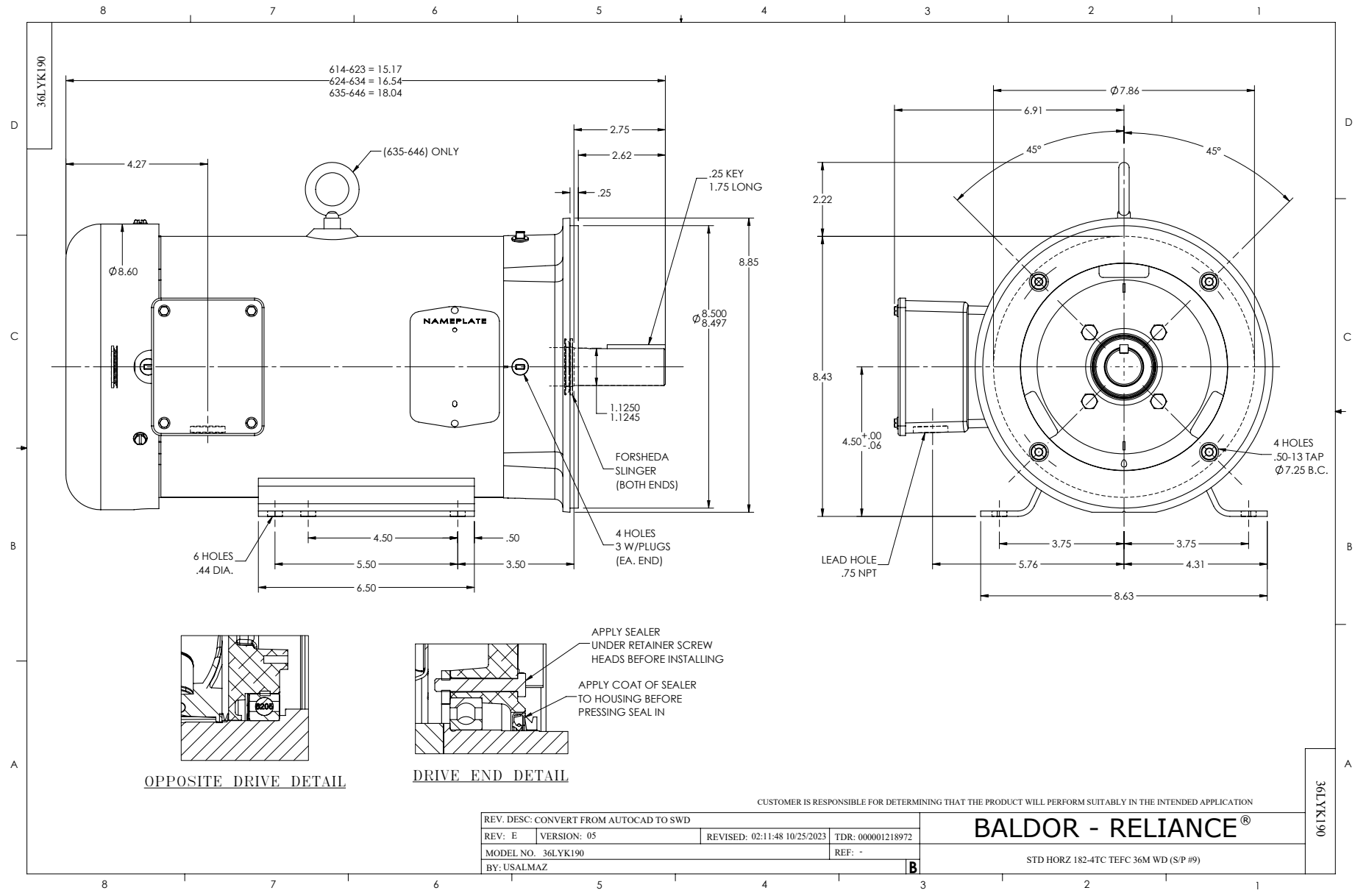
WINDING # 36WGZ650

3 HP 3 PH 60 HZ 1765 RPM 460 V 3630M

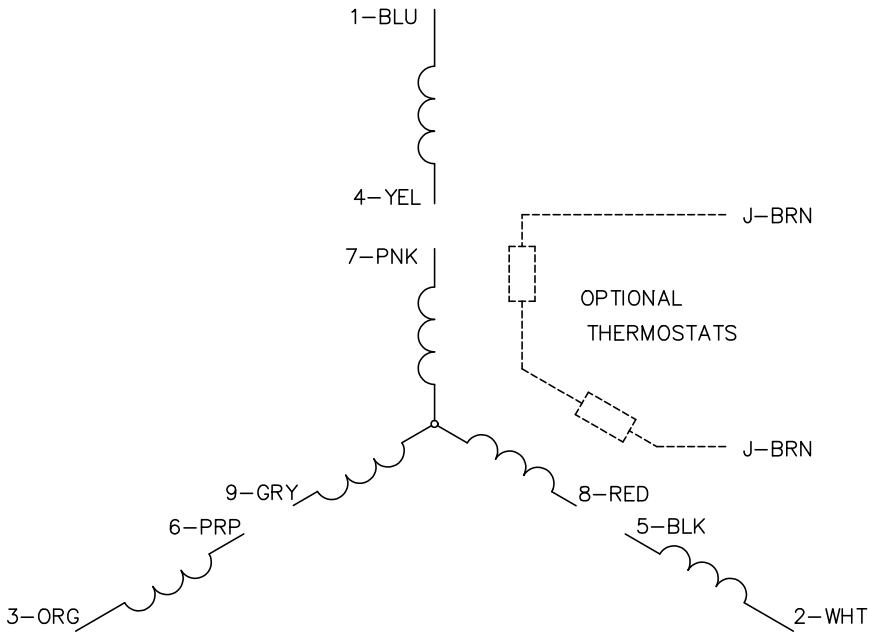
Typical performance - not guaranteed values.

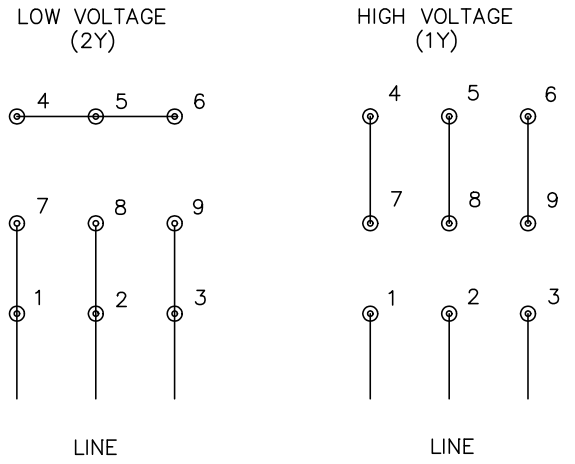
TORQUES(LB-FT): PO=38.2 PU=19.1 LR=22.4 LRA=32.2




36LYK190
614-623 = 15.17
624-634 = 16.54
635-646 = 18.04
(635-646) ONLY
4.27
2.75
2.62
.25
.25 KEY
1.75 LONG
Ø8.60
NAMEPLATE
8.85
Ø8.500
Ø8.497
1.1250
1.1245
FORSHEDA
SLINGER
(BOTH ENDS)
4 HOLES
3 W/PLUGS
(EA. END)
6 HOLES
.44 DIA.
4.50
.50
5.50
3.50
6.50
Ø7.86
6.91
45°
45°
2.22
8.43
4.50 +.00 -.06
4 HOLES
.50-13 TAP
Ø7.25 B.C.
LEAD HOLE
.75 NPT
3.75
3.75
5.76
4.31
8.63
APPLY SEALER
UNDER RETAINER SCREW
HEADS BEFORE INSTALLING
APPLY COAT OF SEALER
TO HOUSING BEFORE
PRESSING SEAL IN
OPPOSITE DRIVE DETAIL
DRIVE END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CONVERT FROM AUTOCAD TO SWD
REV: E
VERSION: 05
REVISED: 02:11:48 10/25/2023
TDR: 000001218972
MODEL NO. 36LYK190
REF: -
BY: USALMAZ
B
BALDOR - RELIANCE®
STD HORZ 182-4TC TEFC 36M WD (S/P #9)
36LYK190

CD0005




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.

CD0005

| | | | |
|---|---|---|---|
| REV. DESC: REVISE TO SHOW OPTIONAL COLORS | | | BALDOR ELECTRIC Co. |
| REV. LTR: E | BY: JLP | REVISED: 01/19/99 10:15 | TDR: 0171435 |
| CD0005 | | FILE: AAA00005140 | MDL: – |
| | | MTL: – | 3PH, DV, 9 LEADS |