ABB BALDOR RELIANCE

# Customer information packet

## XT3306T

30HP, 1180RPM, 3PH, 60HZ, 326T, 1264M, TEFC, F1
Class - CLI GP A,B,C,D
Division - Division II

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11/5/2026 9:28:08 AM

## Specifications

| | |
|---|---|
| **Enclosure** | TEFC |
| **Frame** | 326T |
| **Frame Material** | Iron |
| **Frequency** | 60.00 Hz |
| **Haz Area Class and Group** | CLI GP A,B,C,D |
| **Haz Area Division** | Division II |
| **Motor Letter Type** | Three Phase |
| **Output @ Frequency** | 30.000 HP @ 60 HZ |
| **Phase** | 3 |
| **Synchronous Speed @ Frequency** | 1200 RPM @ 60 HZ |
| **Voltage @ Frequency** | 460.0 V @ 60 HZ |
| | 230.0 V @ 60 HZ |
| **Agency Approvals** | CCSA US |
| | CSA EEV |
| | NEMA PREMIUM |
| | NEMA_PREMIUM |
| | UR |
| **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 |
| **Constant Torque Speed Range** | 3 |
| **Current @ Voltage** | 82.000 A @ 208.0 V |
| | 78.000 A @ 230.0 V |
| | 39.000 A @ 460.0 V |
| **Design Code** | A |
| **Drip Cover** | No Drip Cover |
| **Duty Rating** | CONT |
| **Efficiency @ 100% Load** | 93.0 % |
| **Electrically Isolated Bearing** | Not Electrically Isolated |

## Part Detail

| | |
|---|---|
| **Revision** | A |
| **Type** | AC |
| **Mech. spec.** | |
| **Base** | |
| **Status** | PRD/A |
| **Elec. spec.** | 12WGY812 |
| **Layout** | 12LYH013 |
| **Eff. date** | 06-28-2024 |
| **CD Diagram** | CD0005 |
| **Poles** | 06 |
| **Leads** | 9#8 |
| **Proprietary** | False |
| **Created date** | 11-05-2020 |

| | |
|---|---|
| **Feedback Device** | NO FEEDBACK |
| **Haz Area Temp Code** | T3 |
| **Heater Indicator** | No Heater |
| **High Voltage Full Load Amps** | 39.0 a |
| **Insulation Class** | F |
| **Inverter Code** | Inverter Duty |
| **IP Rating** | NONE |
| **KVA Code** | H |
| **Lifting Lugs** | Standard Lifting Lugs |
| **Locked Bearing Indicator** | Locked Bearing |
| **Motor Lead Termination** | Flying Leads |
| **Motor Standards** | NEMA |
| **Motor Type** | 1264M |
| **Mounting Arrangement** | F1 |
| **Number of Poles** | 6 |
| **Overall Length** | 30.28 IN |
| **Power Factor** | 78 |
| **Product Family** | General Purpose |
| **Pulley Face Code** | Standard |
| **Rodent Screen** | None |
| **Service Factor** | 1.15 |
| **Shaft Diameter** | 2.125 IN |
| **Shaft Ground Indicator** | No Shaft Grounding |
| **Shaft Rotation** | Reversible |
| **Speed** | 1180 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**

| NP4163L | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **CAT.NO.** | XT3306T | | | | | **I.P.** | 54 | | |
| **SPEC.** | 12-0000-1894 | | | | | **ENCL** | TEFC | | |
| **FRAME** | 326T | | **H.P.** | 30 | | | | | |
| **VOLTS** | 230/460 | | **P.F.** | 78 | | | | | |
| **F.L. AMPS** | 78/39 | | | **RATING** | 40C AMB-CONT | | | | |
| **R.P.M.** | 1180 | | | | | | | | |
| **HZ.** | 60 | **PH.** | 3 | **CLASS** | F | | | | |
| **SER.F.** | 1.15 | **DES.** | A | **SL HZ** | 1 | | | | |
| **NEMA NOM. EFF.** | 93 | **WK2** | 12.2 | | | | | | |
| **DE** | 6312 | **ODE** | 6311 | | | | | | |
| **MAG. CUR.** | 34/17 | | | | | | | | |
| **INV TYPE** | PWM | **CHP** | 60 | **TO** | 90 | **T. CODE** | T3 | | |
| **CT** | 3 | **TO** | 60 | **VT** | 3 | **TO** | 60 | | |
| **CC** | 010A | **SN** | | | | | | | |
| | USABLE AT 50 HZ 25HP 190/380V 78/39A | | | | | | | | |

**AC Induction Motor Performance Data**
Record # 47164
Typical performance - not guaranteed values

| **Winding:** 12WGY812-R001 | **Type:** 1264M | **Enclosure:** TEFC |
|---|---|---|

| **Nameplate Data** | | | | **460 V, 60 Hz: High Voltage Connection** | |
|---|---|---|---|---|---|
| **Rated Output (HP)** | | | 30 | **Full Load Torque** | 133 LB-FT |
| **Volts** | | | 230/460 | **Start Configuration** | direct on line |
| **Full Load Amps** | | | 78/39 | **Breakdown Torque** | 370 LB-FT |
| **R.P.M.** | | | 1180 | **Pull-up Torque** | 179 LB-FT |
| **Hz** | 60 | **Phase** | 3 | **Locked-rotor Torque** | 217 LB-FT |
| **NEMA Design Code** | A | **KVA Code** | H | **Starting Current** | 245 A |
| **Service Factor (S.F.)** | | | 1.15 | **No-load Current** | 17.2 A |
| **NEMA Nom. Eff.** | 93 | **Power Factor** | 78 | **Line-line Res. @ 25ºC** | 0.22799 Ω |
| **Rating - Duty** | | | 40C AMB-CONT | **Temp. Rise @ Rated Load** | 56°C |
| **S.F. Amps** | | | | **Temp. Rise @ S.F. Load** | 68°C |
| | | | | **Locked-rotor Power Factor** | 27.2 |
| | | | | **Rotor inertia** | 12.2 lb-ft² |

**Load Characteristics 460 V, 60 Hz, 30 HP**

| **% of Rated Load** | **25** | **50** | **75** | **100** | **125** | **150** | **S.F.** |
|---|---|---|---|---|---|---|---|
| **Power Factor** | 42 | 63 | 73 | 78 | 80 | 80 | 79 |
| **Efficiency** | 89 | 92.7 | 93.4 | 93.1 | 92.4 | 91.4 | 92.7 |
| **Speed** | 1196.5 | 1191.9 | 1188.3 | 1183.2 | 1178.2 | 1171.8 | 1180 |
| **Line amperes** | 19.2 | 24.1 | 31 | 38.7 | 47.5 | 57.3 | 44 |

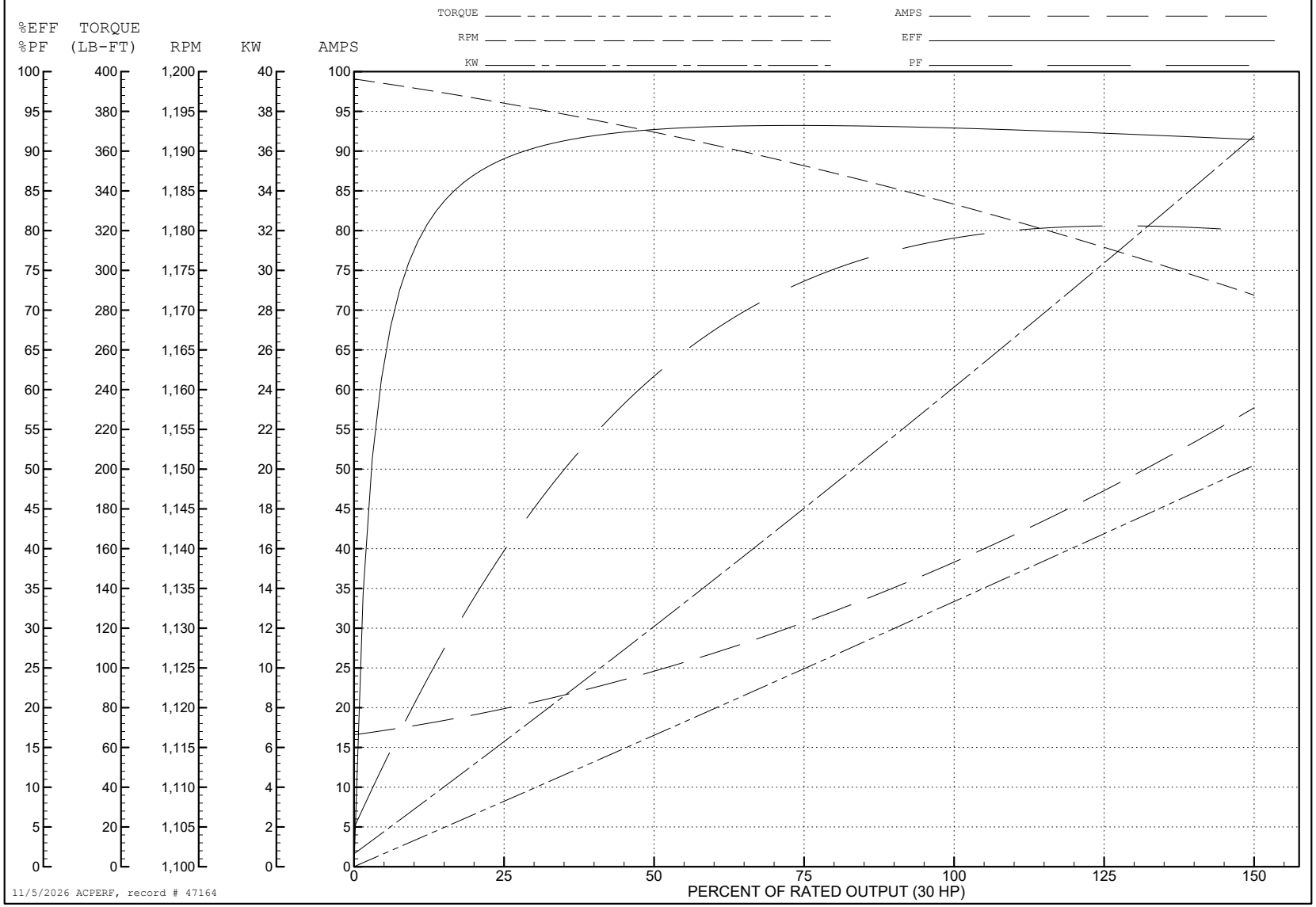
ABB Motors and Mechanical Inc.

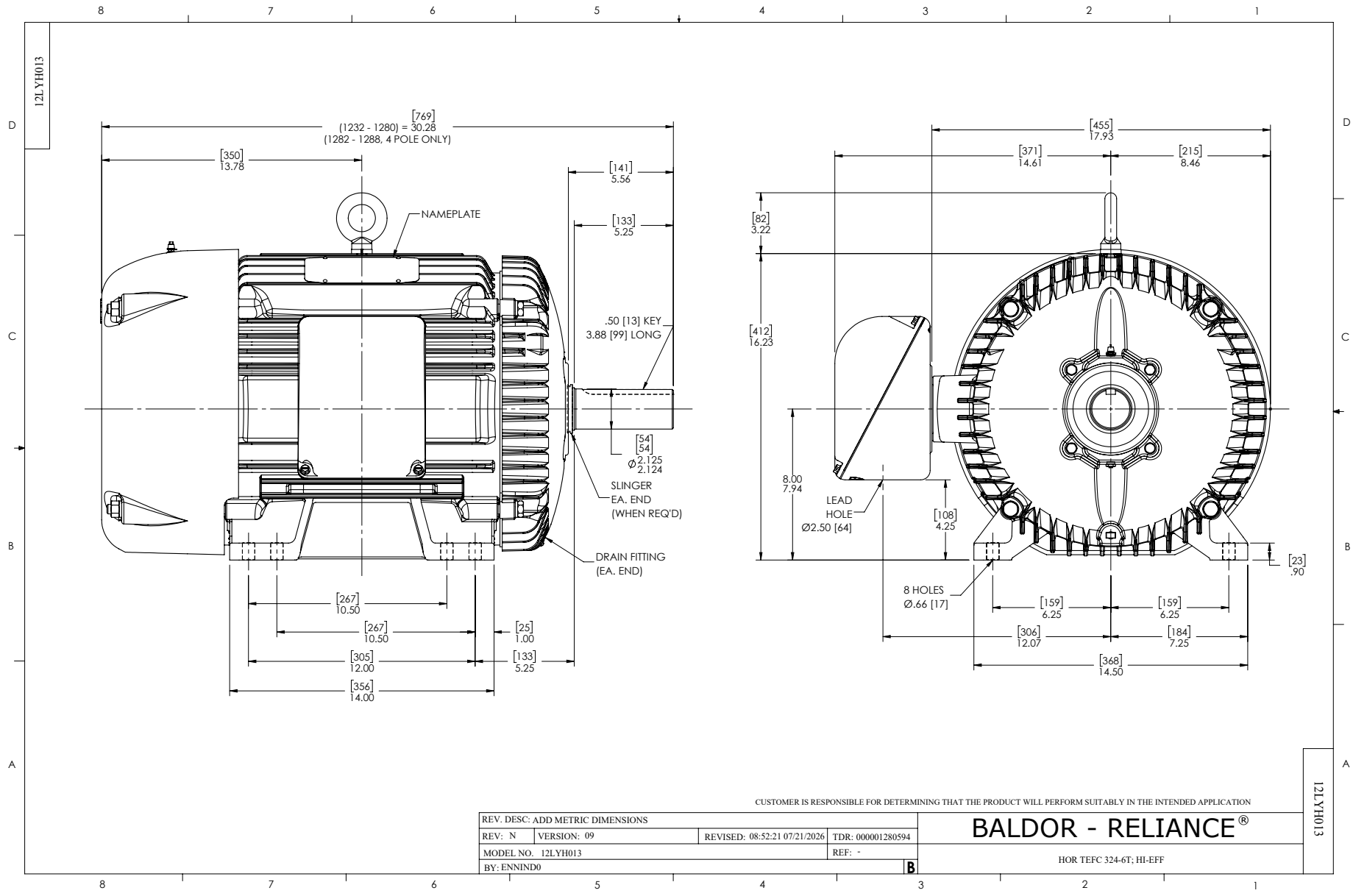
WINDING # 12WGY812

30 HP 3 PH 60 HZ 1180 RPM 460 V 1264M

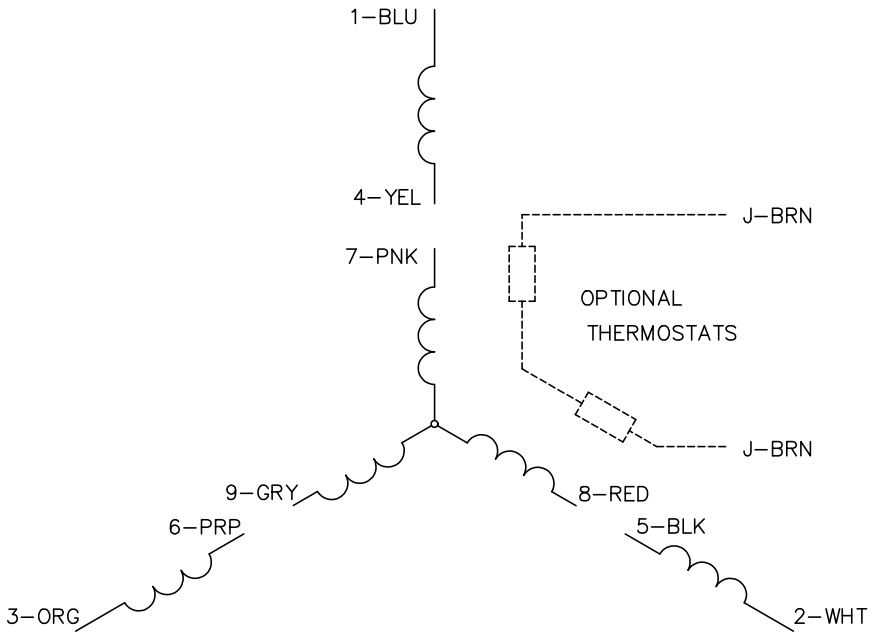
Typical performance - not guaranteed values.

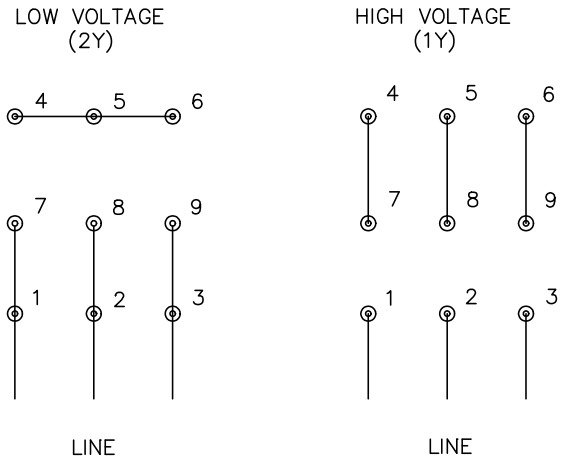
TORQUES(LB-FT): PO=370 PU=179 LR=217 LRA=245




12LYH013
[769]
(1232 - 1280) = 30.28
(1282 - 1288, 4 POLE ONLY)
[350]
13.78
[141]
5.56
[133]
5.25
NAMEPLATE
.50 [13] KEY
3.88 [99] LONG
[54]
54
Ø2.125
2.124
SLINGER
EA. END
(WHEN REQ'D)
DRAIN FITTING
(EA. END)
[267]
10.50
[267]
10.50
[25]
1.00
[305]
12.00
[133]
5.25
[356]
14.00
[455]
17.93
[371]
14.61
[215]
8.46
[82]
3.22
[412]
16.23
8.00
7.94
LEAD
HOLE
Ø2.50 [64]
[108]
4.25
[23]
.90
8 HOLES
Ø.66 [17]
[159]
6.25
[159]
6.25
[306]
12.07
[184]
7.25
[368]
14.50
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: ADD METRIC DIMENSIONS
REV: N
VERSION: 09
REVISED: 08:52:21 07/21/2026
TDR: 000001280594
MODEL NO. 12LYH013
REF: -
BY: ENNIND0
B
BALDOR - RELIANCE®
HOR TEFC 324-6T; HI-EFF
12LYH013

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 |