ABB BALDOR RELIANCE

# Customer information packet

## EHM3714T

10HP, 1768RPM, 3PH, 60HZ, 215T, 3750M, TEFC, F1
Class - None
Division - Not Applicable

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11/19/2026 5:02:04 AM

## Specifications

| | |
|---|---|
| **Enclosure** | TEFC |
| **Frame** | 215T |
| **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** | 10.000 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** | CSA |
| | 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 |
| **Current @ Voltage** | 12.400 A @ 460.0 V |
| | 24.800 A @ 230.0 V |
| | 27.000 A @ 208.0 V |
| **Design Code** | A |
| **Drip Cover** | No Drip Cover |
| **Duty Rating** | CONT |
| **Efficiency @ 100% Load** | 91.7 % |
| **Electrically Isolated Bearing** | Not Electrically Isolated |
| **Feedback Device** | NO FEEDBACK |
| **Front Shaft Indicator** | None |
| **Heater Indicator** | No Heater |
| **High Voltage Full Load Amps** | 12.4 a |

## Part Detail

| | |
|---|---|
| **Revision** | - |
| **Type** | AC |
| **Mech. spec.** | 37J543 |
| **Base** | |
| **Status** | PRD/A |
| **Elec. spec.** | 37WGZ711 |
| **Layout** | 37LYJ543 |
| **Eff. date** | 11-24-2025 |
| **CD Diagram** | CD0005 |
| **Poles** | 04 |
| **Leads** | 9#14 |
| **Proprietary** | False |
| **Created date** | 11-07-2025 |

| | |
|---|---|
| **Insulation Class** | F |
| **Inverter Code** | Inverter Ready |
| **KVA Code** | K |
| **Lifting Lugs** | Standard Lifting Lugs |
| **Locked Bearing Indicator** | No Locked Bearing |
| **Motor Lead Quantity/Wire Size** | 9 @ 14 AWG |
| **Motor Lead Termination** | Flying Leads |
| **Motor Standards** | NEMA |
| **Motor Type** | 3750M |
| **Mounting Arrangement** | F1 |
| **Number of Poles** | 4 |
| **Overall Length** | 19.77 IN |
| **Power Factor** | 85 |
| **Product Family** | General Purpose |
| **Pulley End Bearing Type** | Ball |
| **Pulley Face Code** | Standard |
| **Pulley Shaft Indicator** | Standard |
| **Rodent Screen** | None |
| **Service Factor** | 1.15 |
| **Shaft Diameter** | 1.375 IN |
| **Shaft Ground Indicator** | No Shaft Grounding |
| **Shaft Rotation** | Reversible |
| **Shaft Slinger Indicator** | No Slinger |
| **Speed** | 1768 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**

| NP2094E06B03 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **CAT.NO.** | EHM3714T | | | | | | | | |
| **SPEC.** | 37J543Z711G1 | | | | | | | | |
| **HP** | 10 | | | | | | | | |
| **VOLTS** | 230/460 | | | | | | | | |
| **AMPS** | 24.8/12.4 | | | | | | | | |
| **RPM** | 1768 | | | | | | | | |
| **FRAME** | 215T | **HZ** | 60 | | **PH** | 3 | | | |
| **SER.F.** | 1.15 | **CODE** | K | **DES** | A | **CL** | F | | |
| **NEMA-NOM-EFF** | 91.7 | **PF** | 85 | | | | | | |
| **RATING** | 40C AMB-CONT | | | | | | | | |
| **CC** | 010A | | | **USABLE AT 208V** | | N/A | | | |
| **DE** | 6307 | **ODE** | 6206 | | | | | | |
| **AUTO** | N | **MANUAL** | N | **NONE** | Y | | | | |
| **ENCL** | TEFC | **SN** | | | | | | | |
| **BLANK** | SFA 28.2/14.1 | | | | | | | | |

**AC Induction Motor Performance Data**
Record # 115760
Typical performance - not guaranteed values

| **Winding:** 37WGZ711-R001 | **Type:** 3750M | **Enclosure:** TEFC |
|---|---|---|

| **Nameplate Data** | | | **460 V, 60 Hz: High Voltage Connection** | |
|---|---|---|---|---|
| **Rated Output (HP)** | | 10 | **Full Load Torque** | 29.79 LB-FT |
| **Volts** | | 230/460 | **Start Configuration** | direct on line |
| **Full Load Amps** | | 24.8/12.4 | **Breakdown Torque** | 93.4 LB-FT |
| **R.P.M.** | | 1768 | **Pull-up Torque** | 44.7 LB-FT |
| **Hz** | 60 **Phase** | 3 | **Locked-rotor Torque** | 55.5 LB-FT |
| **NEMA Design Code** | A **KVA Code** | K | **Starting Current** | 90.5 A |
| **Service Factor (S.F.)** | | 1.15 | **No-load Current** | 5.11 A |
| **NEMA Nom. Eff.** | 91.7 **Power Factor** | 85 | **Line-line Res. @ 25ºC** | 1.1801 Ω |
| **Rating - Duty** | | 40C AMB-CONT | **Temp. Rise @ Rated Load** | 77°C |
| **S.F. Amps** | | 28.2/14.1 | **Temp. Rise @ S.F. Load** | 108°C |
| | | | **Locked-rotor Power Factor** | 37.2 |

**Load Characteristics 460 V, 60 Hz, 10 HP**

| **% of Rated Load** | **25** | **50** | **75** | **100** | **125** | **150** | **S.F.** |
|---|---|---|---|---|---|---|---|
| **Power Factor** | 45 | 68 | 78 | 82 | 85 | 85 | 84 |
| **Efficiency** | 89.9 | 92.6 | 92.6 | 91.8 | 90.5 | 88.9 | 91 |
| **Speed** | 1792.4 | 1785 | 1776.3 | 1767.2 | 1756.7 | 1745.2 | 1756 |
| **Line amperes** | 5.83 | 7.54 | 9.79 | 12.4 | 15.3 | 18.6 | 14.2 |

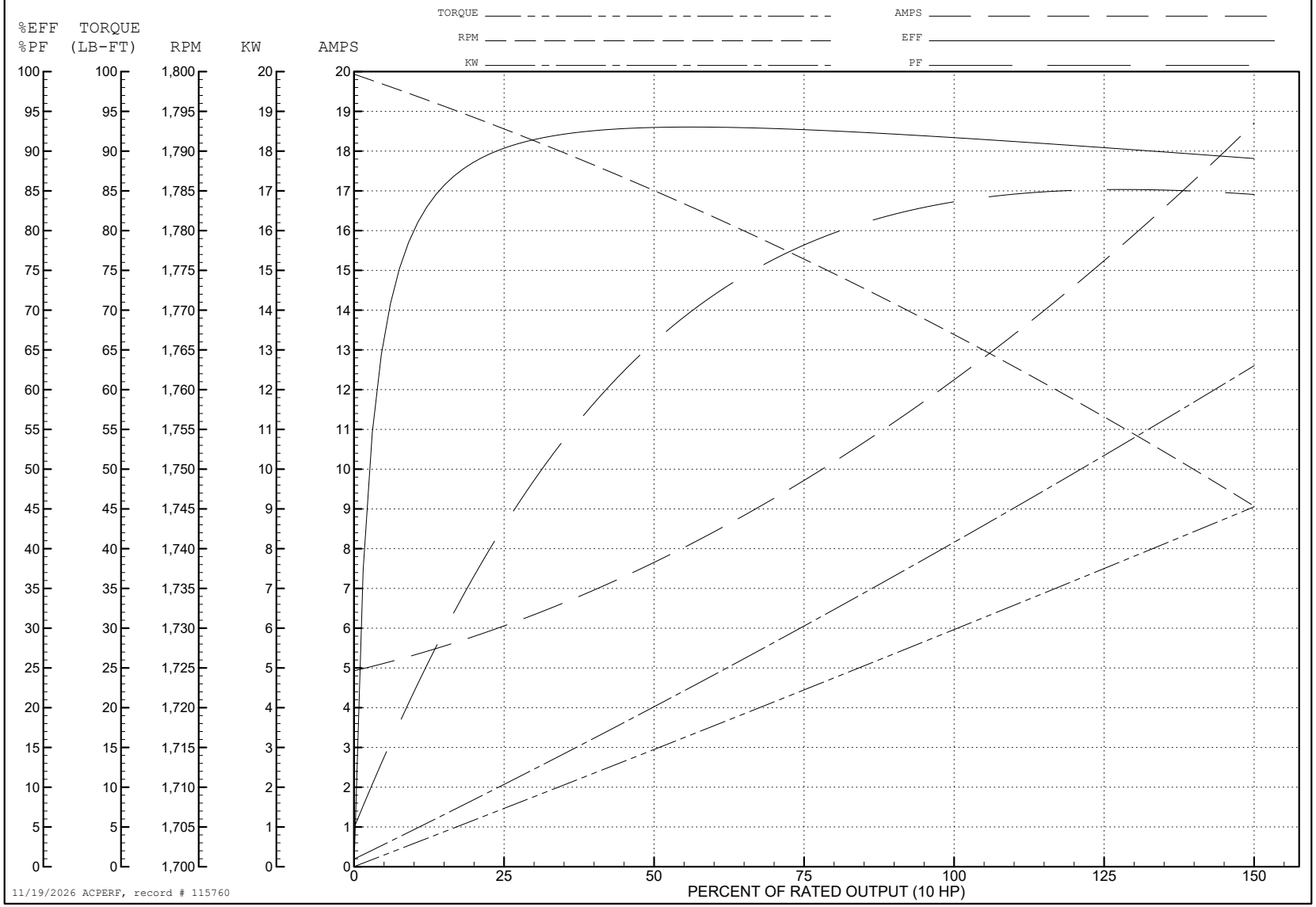
ABB Motors and Mechanical Inc.

WINDING # 37WGZ711

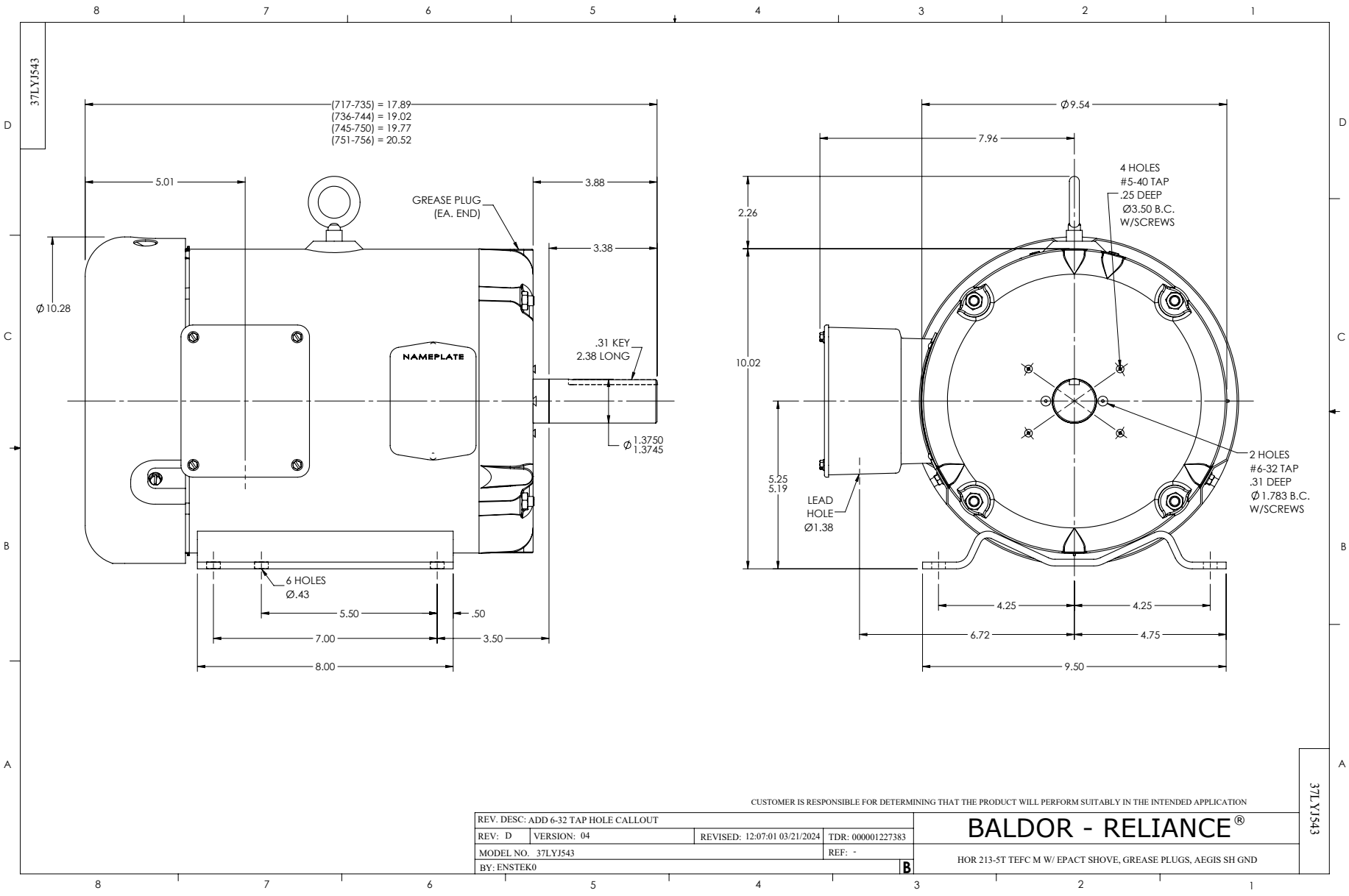
10 HP 3 PH 60 HZ 1768 RPM 460 V 3750M

Typical performance - not guaranteed values.

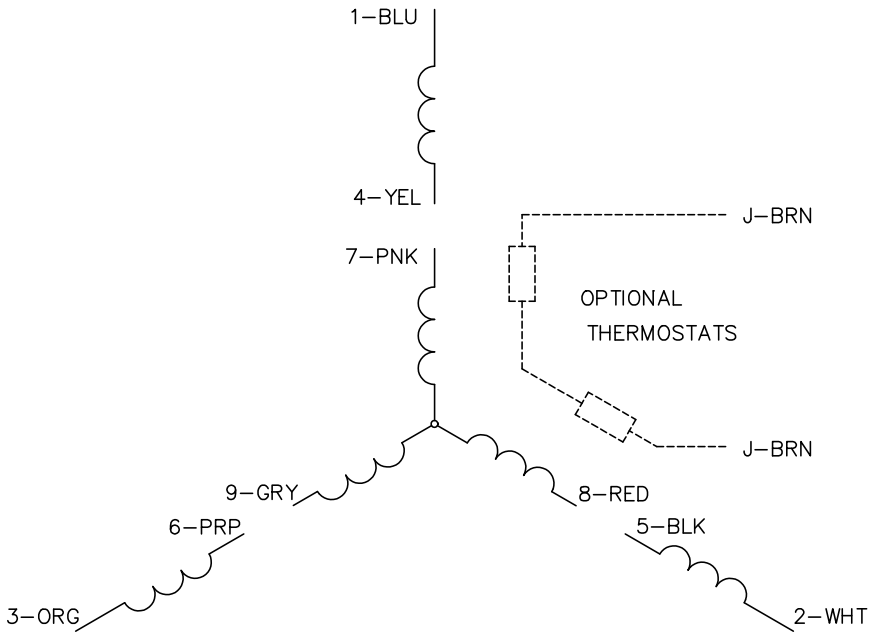
TORQUES(LB-FT): PO=93.4 PU=44.7 LR=55.5 LRA=90.5

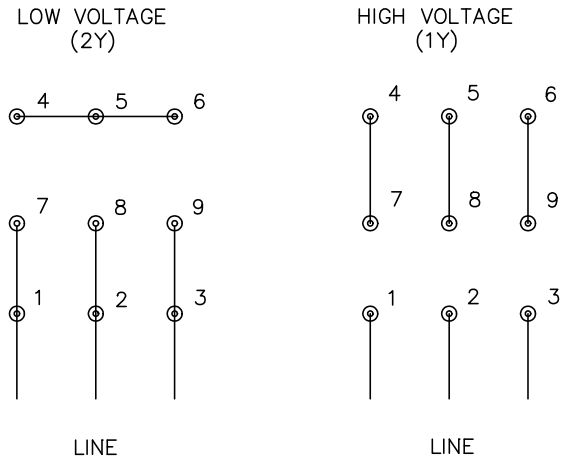



11/19/2026 ACPERF, record # 115760


37LYJ543
(717-735) = 17.89
(736-744) = 19.02
(745-750) = 19.77
(751-756) = 20.52
5.01
3.88
GREASE PLUG
(EA. END)
3.38
Ø10.28
NAMEPLATE
.31 KEY
2.38 LONG
Ø1.3750
1.3745
6 HOLES
Ø.43
5.50
.50
7.00
3.50
8.00
Ø9.54
7.96
4 HOLES
#5-40 TAP
.25 DEEP
Ø3.50 B.C.
W/SCREWS
2.26
10.02
5.25
5.19
LEAD
HOLE
Ø1.38
2 HOLES
#6-32 TAP
.31 DEEP
Ø1.783 B.C.
W/SCREWS
4.25
4.25
6.72
4.75
9.50
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: ADD 6-32 TAP HOLE CALLOUT
REV: D
VERSION: 04
REVISED: 12:07:01 03/21/2024
TDR: 000001227383
MODEL NO. 37LYJ543
REF: -
BY: ENSTEK0
B
BALDOR - RELIANCE®
HOR 213-5T TEFC M W/ EPACT SHOVE, GREASE PLUGS, AEGIS SH GND
37LYJ543

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 |