ABB BALDOR RELIANCE

# Customer information packet

## CESSWDM3558T

2HP, 1760RPM, 3PH, 60HZ, 145TC, 3532M, TEFC, F1
Class - None
Division - Not Applicable

Copyright © All product information within this document is subject to ABB Motors and Mechanical Inc. copyright © protection, unless otherwise noted.
11/24/2026 3:15:12 AM

## Specifications

| | |
|---|---|
| **Enclosure** | TEFC |
| **Frame** | 145TC |
| **Frame Material** | Stainless Steel |
| **Frequency** | 60.00 Hz |
| **Haz Area Class and Group** | None |
| **Haz Area Division** | Not Applicable |
| **Motor Letter Type** | Three Phase |
| **Output @ Frequency** | 2.000 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** | CURUSEEV |
| | 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** | 2.800 A @ 460.0 V |
| | 5.600 A @ 230.0 V |
| | 6.000 A @ 208.0 V |
| **Design Code** | B |
| **Drip Cover** | No Drip Cover |
| **Duty Rating** | CONT |
| **Efficiency @ 100% Load** | 86.5 % |
| **Electrically Isolated Bearing** | Not Electrically Isolated |
| **Feedback Device** | NO FEEDBACK |
| **Front Shaft Indicator** | None |
| **Heater Indicator** | No Heater |
| **High Voltage Full Load Amps** | 2.8 a |

## Part Detail

| | |
|---|---|
| **Revision** | A |
| **Type** | AC |
| **Mech. spec.** | 35VV818 |
| **Base** | |
| **Status** | PRD/A |
| **Elec. spec.** | 35WGK632 |
| **Layout** | 35LYVV818 |
| **Eff. date** | 08-19-2025 |
| **CD Diagram** | CD0005 |
| **Poles** | 04 |
| **Leads** | 9#18 |
| **Proprietary** | False |
| **Created date** | 02-28-2025 |

| | |
|---|---|
| **Insulation Class** | H |
| **Inverter Code** | Inverter Duty |
| **KVA Code** | L |
| **Lifting Lugs** | No Lifting Lugs |
| **Locked Bearing Indicator** | Locked Bearing |
| **Motor Lead Quantity/Wire Size** | 9 @ 18 AWG |
| **Motor Lead Termination** | Flying Leads |
| **Motor Standards** | NEMA |
| **Motor Type** | 3532M |
| **Mounting Arrangement** | F1 |
| **Number of Poles** | 4 |
| **Overall Length** | 13.42 IN |
| **Power Factor** | 77 |
| **Product Family** | Wash Down All Stainless Steel |
| **Pulley End Bearing Type** | Sealed Bearing |
| **Pulley Face Code** | C-Face |
| **Pulley Shaft Indicator** | Standard |
| **Rodent Screen** | None |
| **Service Factor** | 1.15 |
| **Shaft Diameter** | 0.875 IN |
| **Shaft Ground Indicator** | No Shaft Grounding |
| **Shaft Rotation** | Reversible |
| **Shaft Slinger Indicator** | No Slinger |
| **Speed** | 1760 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**

| NP1953A01 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **CAT.NO.** | CESSWDM3558T | | | | | | | | |
| **SPEC.** | 35VV818K632G1 | | | | | | | | |
| **HP** | 2 | | | | | | | | |
| **VOLTS** | 230/460 | | | | | | | | |
| **AMP** | 5.6/2.8 | | | | | | | | |
| **RPM** | 1760 | | | | | | | | |
| **FRAME** | 145TC | | **HZ** | 60 | | | **PH** | 3 | |
| **SER.F.** | 1.15 | **CODE** | L | **DES** | B | **CLASS** | | H | |
| **NEMA-NOM-EFF** | 86.5 | | **PF** | 77 | | | | | |
| **RATING** | 40C AMB-CONT | | | | | | | | |
| **CC** | 010A | | | | | | | | |
| **DE** | 6205 | | **ODE** | 6203 | | | | | |
| **ENCL** | TEFC | **SN** | | | | | | | |
| | 4:1CT 4:1VT | | | | | | | | |

**AC Induction Motor Performance Data**
Record # 111071
Typical performance - not guaranteed values

| **Winding:** 35WGK632-R001 | **Type:** 3532M | **Enclosure:** TEFC |
|---|---|---|

| **Nameplate Data** | | | |
|---|---|---|---|
| **Rated Output (HP)** | | | 2 |
| **Volts** | | | 230/460 |
| **Full Load Amps** | | | 5.6/2.8 |
| **R.P.M.** | | | 1760 |
| **Hz** | 60 | **Phase** | 3 |
| **NEMA Design Code** | B | **KVA Code** | L |
| **Service Factor (S.F.)** | | | 1.15 |
| **NEMA Nom. Eff.** | 86.5 | **Power Factor** | 77 |
| **Rating - Duty** | | | 40C AMB-CONT |
| **S.F. Amps** | | | 6.3/3.15 |

| **460 V, 60 Hz: High Voltage Connection** | |
|---|---|
| **Full Load Torque** | 6.01 LB-FT |
| **Start Configuration** | direct on line |
| **Breakdown Torque** | 22.9 LB-FT |
| **Pull-up Torque** | 12.9 LB-FT |
| **Locked-rotor Torque** | 16.3 LB-FT |
| **Starting Current** | 24.4 A |
| **No-load Current** | 1.55 A |
| **Line-line Res. @ 25ºC** | 8.6033 Ω |
| **Temp. Rise @ Rated Load** | 66°C |
| **Temp. Rise @ S.F. Load** | 81°C |
| **Locked-rotor Power Factor** | 53.6 |
| **Rotor inertia** | 0.231 lb-ft² |

**Load Characteristics 460 V, 60 Hz, 2 HP**

| **% of Rated Load** | **25** | **50** | **75** | **100** | **125** | **150** | **S.F.** |
|---|---|---|---|---|---|---|---|
| **Power Factor** | 37 | 57 | 70 | 78 | 82 | 85 | 80 |
| **Efficiency** | 78.6 | 85.5 | 86.9 | 86.6 | 85.5 | 84 | 85.9 |
| **Speed** | 1789.9 | 1780.7 | 1770.8 | 1760.2 | 1748.4 | 1735.8 | 1753 |
| **Line amperes** | 1.67 | 1.94 | 2.33 | 2.81 | 3.35 | 3.94 | 3.13 |

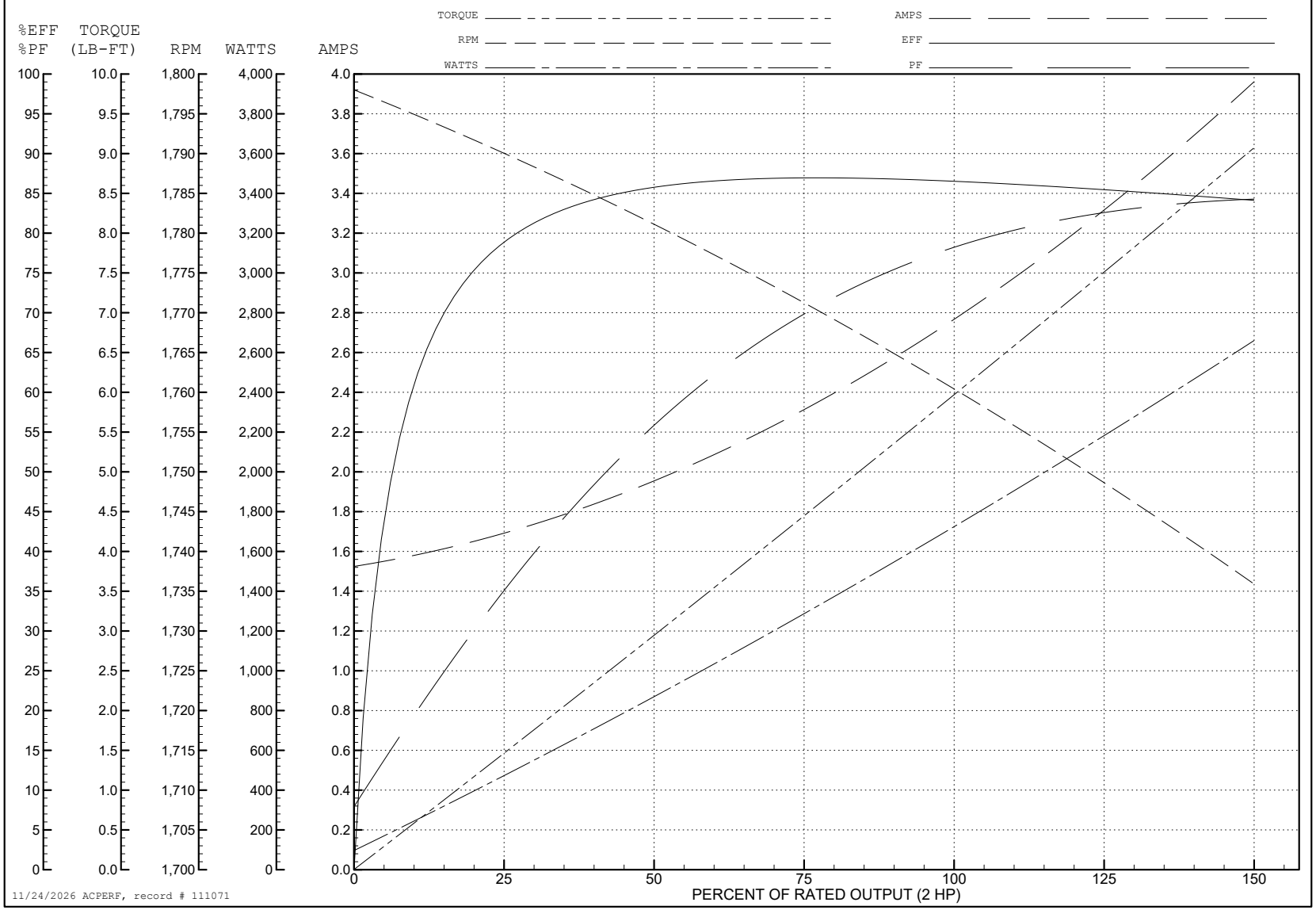
ABB Motors and Mechanical Inc.

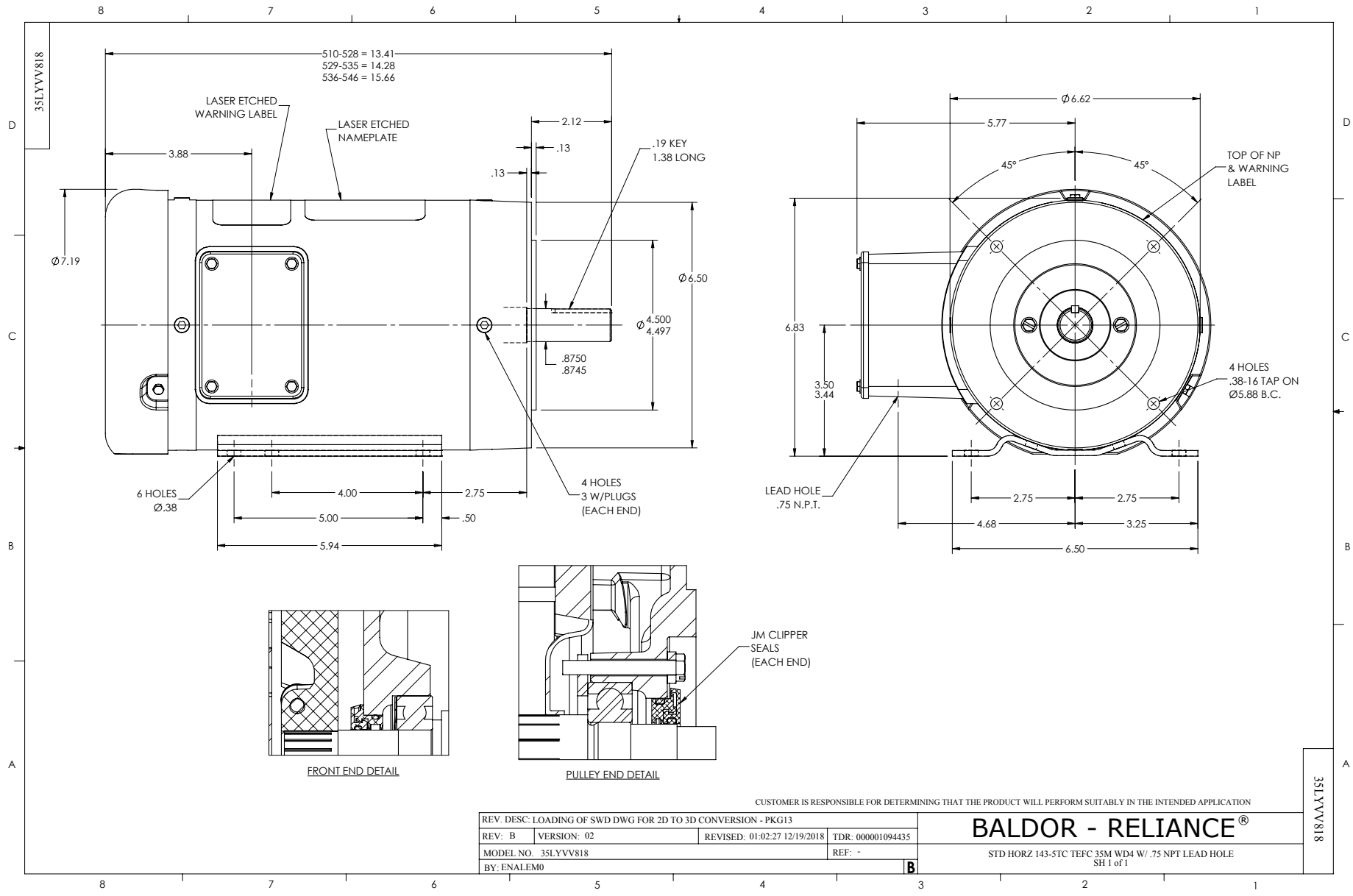
WINDING # 35WGK632

2 HP 3 PH 60 HZ 1760 RPM 460 V 3532M

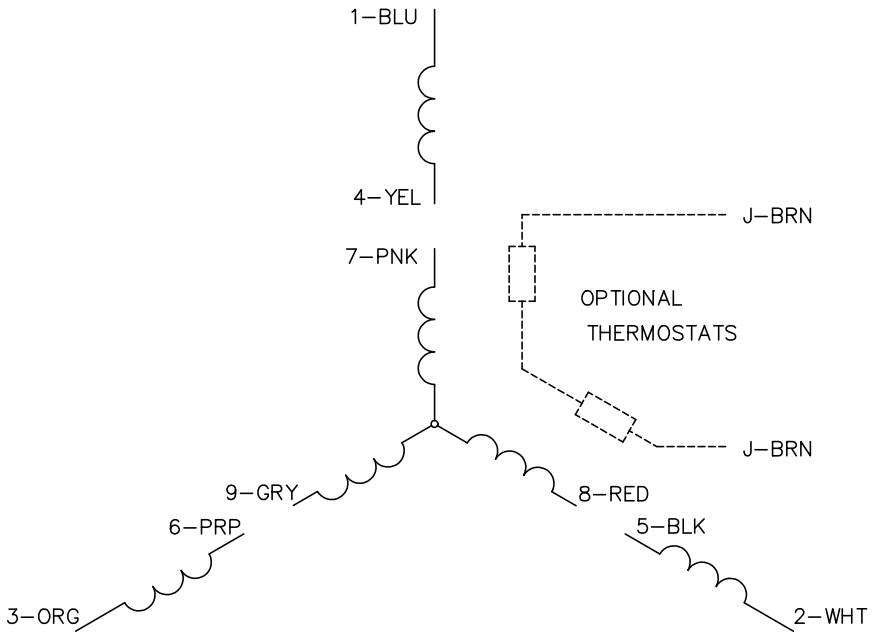
Typical performance - not guaranteed values.

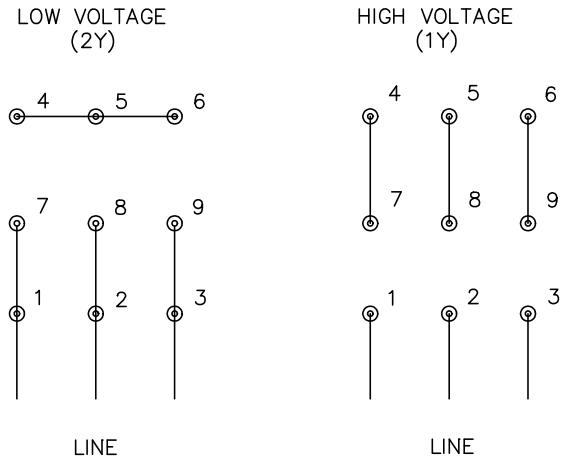
TORQUES(LB-FT): PO=22.9 PU=12.9 LR=16.3 LRA=24.4




35LYVV818
510-528 = 13.41
529-535 = 14.28
536-546 = 15.66
LASER ETCHED WARNING LABEL
LASER ETCHED NAMEPLATE
3.88
2.12
.13
.13
.19 KEY 1.38 LONG
Ø7.19
Ø6.50
Ø 4.500 4.497
.8750 .8745
6 HOLES Ø.38
4.00
2.75
5.00
.50
5.94
4 HOLES 3 W/PLUGS (EACH END)
Ø6.62
5.77
45°
45°
TOP OF NP & WARNING LABEL
6.83
3.50 3.44
4 HOLES .38-16 TAP ON Ø5.88 B.C.
LEAD HOLE .75 N.P.T.
2.75
2.75
4.68
3.25
6.50
FRONT END DETAIL
PULLEY END DETAIL
JM CLIPPER SEALS (EACH END)
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: LOADING OF SWD DWG FOR 2D TO 3D CONVERSION - PKG13
REV: B
VERSION: 02
REVISED: 01:02:27 12/19/2018
TDR: 000001094435
MODEL NO. 35LYVV818
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
STD HORZ 143-5TC TEFC 35M WD4 W/ .75 NPT LEAD HOLE
SH 1 of 1
35LYVV818

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 |