# Customer information packet

CEWDM3554

1.5HP, 1770RPM, 3PH, 60HZ, 56C, 3530M, TENV, F1
Class - None
Division - Not Applicable

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11/3/2026 2:30:29 AM

## Specifications

| | |
|---|---|
| **Enclosure** | TENV |
| **Frame** | 56C |
| **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** | 1.500 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 |
| | NEMA_PREMIUM |
| | UR |
| | CSA EEV |
| **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** | 2.300 A @ 460.0 V |
| | 4.600 A @ 230.0 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 |

## Part Detail

| | |
|---|---|
| **Revision** | F |
| **Type** | AC |
| **Mech. spec.** | 35S588 |
| **Base** | |
| **Status** | PRD/A |
| **Elec. spec.** | 35WGG178 |
| **Layout** | 35LYS588 |
| **Eff. date** | 07-18-2024 |
| **CD Diagram** | CD0005 |
| **Poles** | 04 |
| **Leads** | 9#18 Y |
| **Proprietary** | False |
| **Created date** | 10-01-2021 |

| | |
|---|---|
| **High Voltage Full Load Amps** | 2.3 a |
| **Insulation Class** | H |
| **Inverter Code** | Not Inverter |
| **KVA Code** | M |
| **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** | 3530M |
| **Mounting Arrangement** | F1 |
| **Number of Poles** | 4 |
| **Overall Length** | 15.05 IN |
| **Power Factor** | 72 |
| **Product Family** | Wash Down |
| **Pulley End Bearing Type** | Sealed Bearing |
| **Pulley Face Code** | C-Face |
| **Pulley Shaft Indicator** | Standard |
| **Rodent Screen** | None |
| **Service Factor** | 1.00 |
| **Shaft Diameter** | 0.625 IN |
| **Shaft Ground Indicator** | No Shaft Grounding |
| **Shaft Rotation** | Reversible |
| **Shaft Slinger Indicator** | Shaft Slinger |
| **Speed** | 1770 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.** | CEWDM3554 | | | | | | | | | | |
| **SPEC.** | 35S588G178G1 | | | | | | | | | | |
| **HP** | 1.5 | | | | | | | | | | |
| **VOLTS** | 230/460 | | | | | | | | | | |
| **AMP** | 4.6/2.3 | | | | | | | | | | |
| **RPM** | 1770 | | | | | | | | | | |
| **FRAME** | 56C | | **HZ** | 60 | | | **PH** | 3 | | | |
| **SER.F.** | 1.00 | **CODE** | M | **DES** | B | **CLASS** | H | | | | |
| **NEMA-NOM-EFF** | 86.5 | **PF** | 72 | | | | | | | | |
| **RATING** | 40C AMB-CONT | | | | | | | | | | |
| **CC** | 010A | | | | | | | | | | |
| **DE** | 6205 | | **ODE** | 6203 | | | | | | | |
| **ENCL** | TENV | **SN** | | | | | | | | | |
| **BLANK** | | | | | | | | | | | |

**AC Induction Motor Performance Data**
Record # 87056
Typical performance - not guaranteed values

| **Winding:** 35WGG178-R003 | **Type:** 3530M | **Enclosure:** TENV |
|---|---|---|

| **Nameplate Data** | | | | **460 V, 60 Hz: High Voltage Connection** | |
|---|---|---|---|---|---|
| **Rated Output (HP)** | | | 1.5 | **Full Load Torque** | 4.48 LB-FT |
| **Volts** | | | 230/460 | **Start Configuration** | direct on line |
| **Full Load Amps** | | | 4.6/2.3 | **Breakdown Torque** | 21.02 LB-FT |
| **R.P.M.** | | | 1770 | **Pull-up Torque** | 12.29 LB-FT |
| **Hz** | 60 | **Phase** | 3 | **Locked-rotor Torque** | 14.9 LB-FT |
| **NEMA Design Code** | B | **KVA Code** | M | **Starting Current** | 21.32 A |
| **Service Factor (S.F.)** | | | 1 | **No-load Current** | 1.29 A |
| **NEMA Nom. Eff.** | 86.5 | **Power Factor** | 72 | **Line-line Res. @ 25ºC** | 10.1 Ω |
| **Rating - Duty** | | | 40C AMB-CONT | **Temp. Rise @ Rated Load** | 80°C |
| | | | | **Locked-rotor Power Factor** | 55.5 |
| | | | | **Rotor inertia** | 0.217 lb-ft² |

**Load Characteristics 460 V, 60 Hz, 1.5 HP**

| **% of Rated Load** | **25** | **50** | **75** | **100** | **125** | **150** |
|---|---|---|---|---|---|---|
| **Power Factor** | 33 | 54 | 68 | 76 | 81 | 84 |
| **Efficiency** | 79.1 | 86.3 | 88.1 | 88.3 | 87.6 | 86.6 |
| **Speed** | 1790 | 1783 | 1776 | 1769 | 1761 | 1752 |
| **Line amperes** | 1.35 | 1.52 | 1.78 | 2.11 | 2.47 | 2.89 |

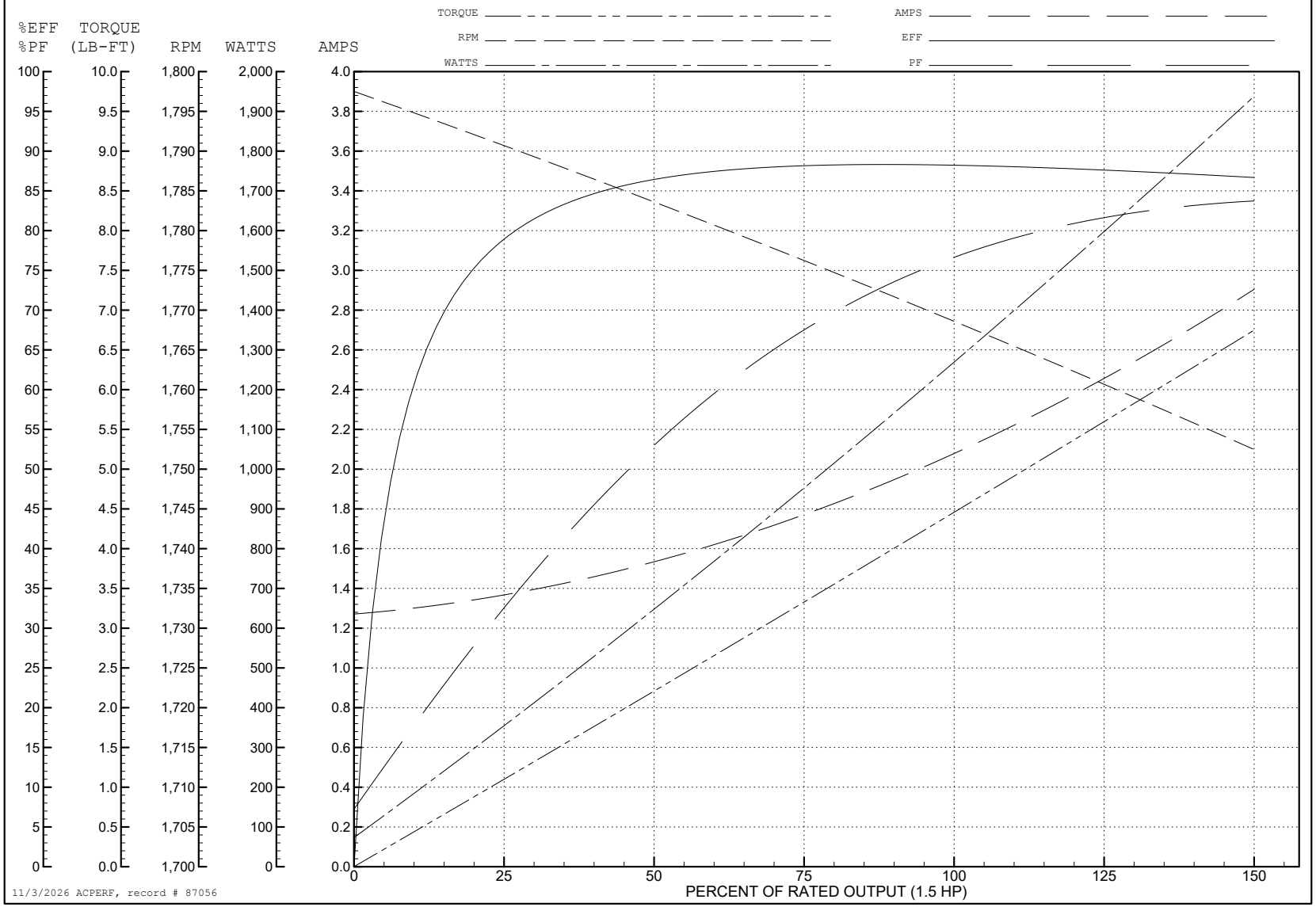
ABB Motors and Mechanical Inc.

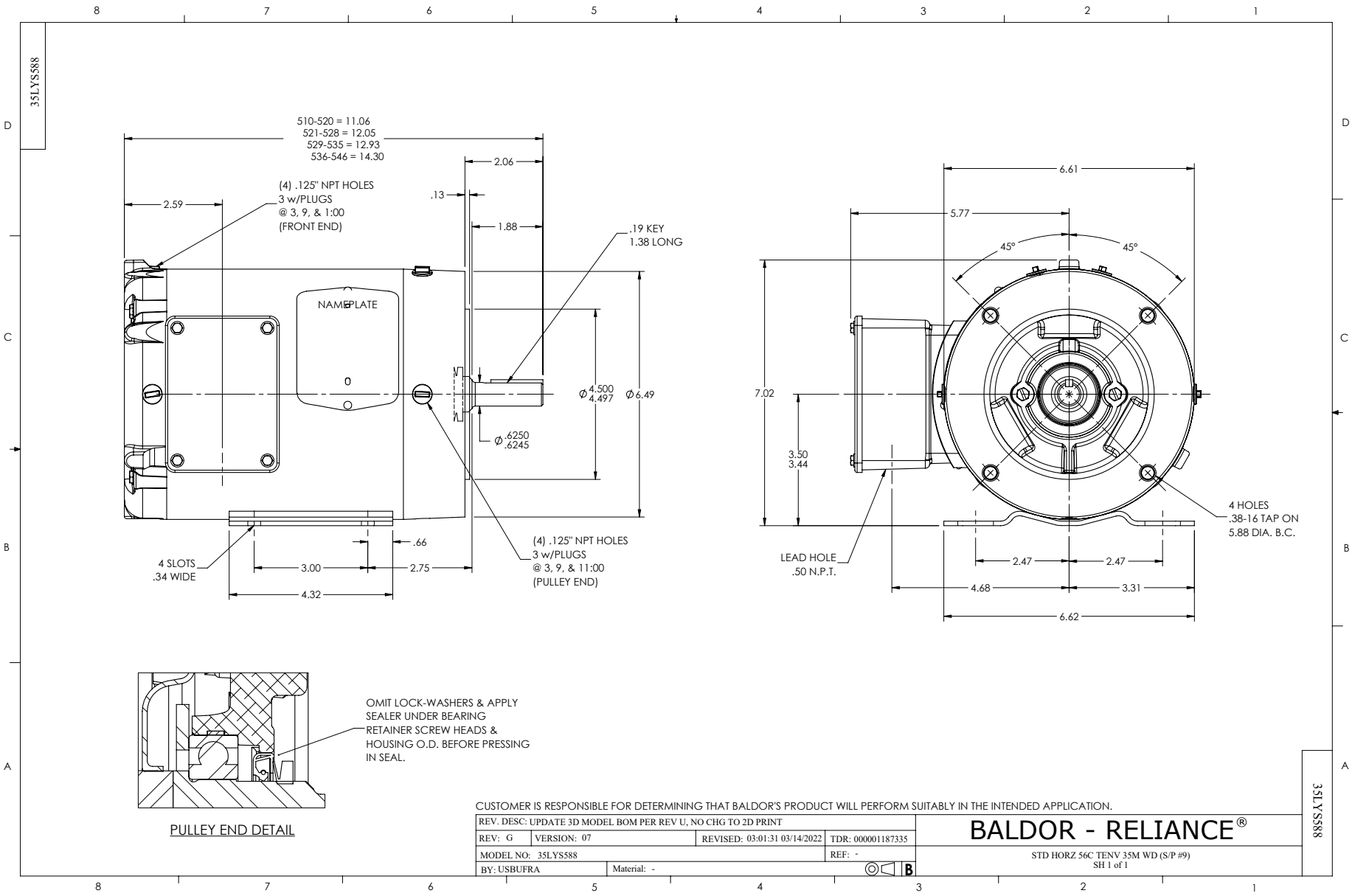
WINDING # 35WGG178

1.5 HP 3 PH 60 HZ 1770 RPM 460 V 3530M

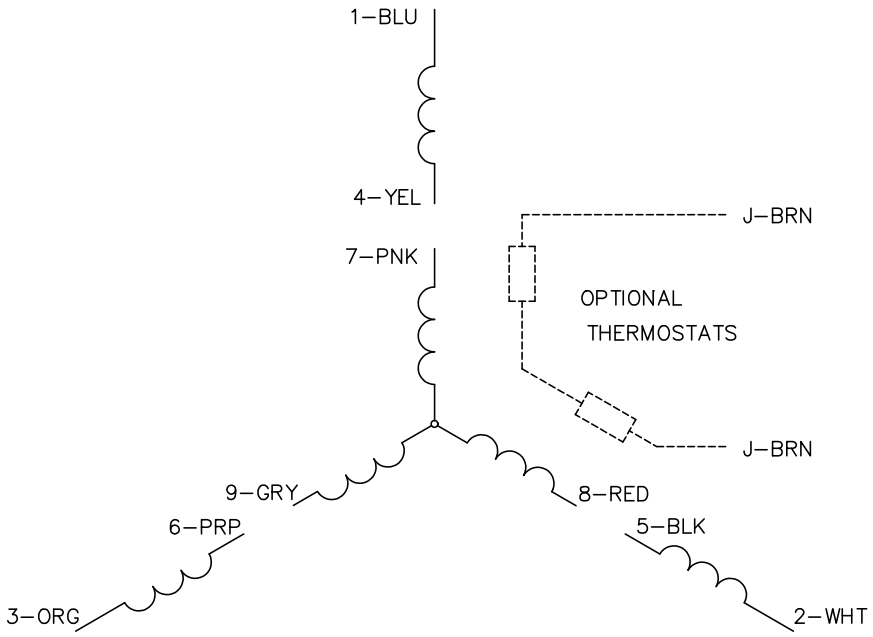
Typical performance - not guaranteed values.

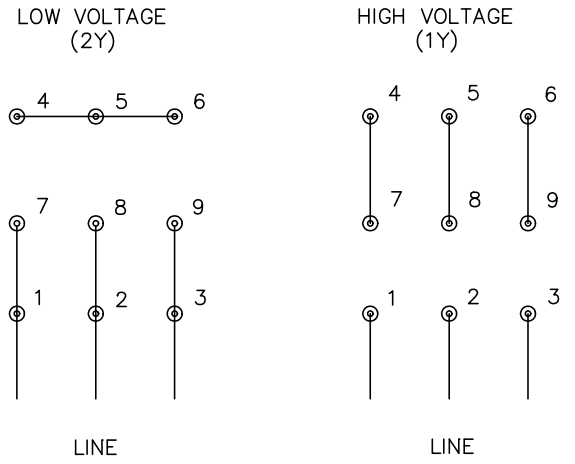
TORQUES(LB-FT): PO=21.02 PU=12.29 LR=14.9 LRA=21.32




35LYS588
510-520 = 11.06
521-528 = 12.05
529-535 = 12.93
536-546 = 14.30
2.06
.13
1.88
2.59
(4) .125" NPT HOLES
3 w/PLUGS
@ 3, 9, & 1:00
(FRONT END)
.19 KEY
1.38 LONG
NAMEPLATE
Ø 4.500
4.497
Ø 6.49
Ø .6250
.6245
.66
4 SLOTS
.34 WIDE
3.00
2.75
4.32
(4) .125" NPT HOLES
3 w/PLUGS
@ 3, 9, & 11:00
(PULLEY END)
6.61
5.77
45°
45°
7.02
3.50
3.44
LEAD HOLE
.50 N.P.T.
4 HOLES
.38-16 TAP ON
5.88 DIA. B.C.
2.47
2.47
4.68
3.31
6.62
OMIT LOCK-WASHERS & APPLY
SEALER UNDER BEARING
RETAINER SCREW HEADS &
HOUSING O.D. BEFORE PRESSING
IN SEAL.
PULLEY END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.
REV. DESC: UPDATE 3D MODEL BOM PER REV U, NO CHG TO 2D PRINT
REV: G
VERSION: 07
REVISED: 03:01:31 03/14/2022
TDR: 000001187335
MODEL NO: 35LYS588
REF: -
BY: USBUFRA
Material: -
B
BALDOR - RELIANCE®
STD HORZ 56C TENV 35M WD (S/P #9)
SH 1 of 1
35LYS588

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 |