ABB BALDOR RELIANCE

# Customer information packet

## ECTM3708T-G-AO

5 AIR OVERHP, 1165RPM, 3PH, 60HZ, 213T, 3752M
Class - None
Division - Not Applicable

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11/5/2026 9:23:26 AM

## Specifications

| | |
|---|---|
| **Enclosure** | TEAO |
| **Frame** | 213T |
| **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** | 5.000 HP @ 60 HZ |
| **Phase** | 3 |
| **Synchronous Speed @ Frequency** | 1200 RPM @ 60 HZ |
| **Voltage @ Frequency** | 230.0 V @ 60 HZ |
| | 460.0 V @ 60 HZ |
| **Agency Approvals** | 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 |
| **Current @ Voltage** | 7.200 A @ 460.0 V |
| | 15.600 A @ 208.0 V |
| | 14.400 A @ 230.0 V |
| **Design Code** | A |
| **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 |

## Part Detail

| | |
|---|---|
| **Revision** | D |
| **Type** | AC |
| **Mech. spec.** | 37T571 |
| **Base** | |
| **Status** | PRD/A |
| **Elec. spec.** | 37WGQ067 |
| **Layout** | 37LYT571 |
| **Eff. date** | 09-16-2026 |
| **CD Diagram** | CD0005 |
| **Poles** | 06 |
| **Leads** | 9#14 |
| **Proprietary** | False |
| **Created date** | 04-01-2022 |

| | |
|---|---|
| **Heater Indicator** | Heater Included, 120 V |
| **High Voltage Full Load Amps** | 7.2 a |
| **Insulation Class** | F |
| **Inverter Code** | Inverter Ready |
| **KVA Code** | K |
| **Lifting Lugs** | Vertical Lifting Lugs |
| **Locked Bearing Indicator** | Locked Bearing |
| **Motor Lead Quantity/Wire Size** | 9 @ 14 AWG |
| **Motor Lead Termination** | Flying Leads |
| **Motor Standards** | NEMA |
| **Motor Type** | 3752M |
| **Mounting Arrangement** | F1 |
| **Number of Poles** | 6 |
| **Overall Length** | 21.68 IN |
| **Power Factor** | 71 |
| **Product Family** | Chemical Process Features |
| **Pulley End Bearing Type** | Ball |
| **Pulley Face Code** | Standard |
| **Pulley Shaft Indicator** | Standard |
| **Rodent Screen** | None |
| **RoHS Status** | ROHS COMPLIANT |
| **Service Factor** | 1.15 |
| **Shaft Diameter** | 1.375 IN |
| **Shaft Ground Indicator** | Shaft Grounding |
| **Shaft Rotation** | Reversible |
| **Shaft Slinger Indicator** | Shaft Slinger |
| **Speed** | 1165 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**

| NP2178 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **CAT.NO.** | ECTM3708T-G-AO | | | | | | | | |
| **SPEC.** | 37T571Q067G1 | | | | | | | | |
| **HP** | 5 AIR OVER | | | | | | | | |
| **VOLTS** | 230/460 | | | | | | | | |
| **AMP** | 14.4/7.2 | | | | | | | | |
| **RPM** | 1165 | | | | | | | | |
| **FRAME** | 213T | **HZ** | 60 | | | **PH** | 3 | | |
| **SER.F.** | 1.15 | **CODE** | K | **DES** | A | **CL** | F | | |
| **NEMA-NOM-EFF** | 89.5 | **PF** | 71 | | | | | | |
| **RATING** | 40C AMB-CONT | | | | | | | | |
| **CC** | | | | | | | | | |
| **DE** | 6307 | **ODE** | 6206 | | | | | | |
| **ENCL** | TEAO | **SN** | | | | | | | |
| | INV DUT 20:1 VT | | | | | | | | |

**AC Induction Motor Performance Data**
Record # 92598
Typical performance - not guaranteed values

| **Winding:** 37WGQ067-R013 | **Type:** 3752M | **Enclosure:** TEAO |
|---|---|---|

| **Nameplate Data** | | | | **460 V, 60 Hz: High Voltage Connection** | |
|---|---|---|---|---|---|
| **Rated Output (HP)** | | | 5 AIR OVER | **Full Load Torque** | 22.48 LB-FT |
| **Volts** | | | 230/460 | **Start Configuration** | direct on line |
| **Full Load Amps** | | | 14.4/7.2 | **Breakdown Torque** | 80.1 LB-FT |
| **R.P.M.** | | | 1165 | **Pull-up Torque** | 51.2 LB-FT |
| **Hz** | 60 | **Phase** | 3 | **Locked-rotor Torque** | 55.8 LB-FT |
| **NEMA Design Code** | A | **KVA Code** | K | **Starting Current** | 54.4 A |
| **Service Factor (S.F.)** | | | 1.15 | **No-load Current** | 3.98 A |
| **NEMA Nom. Eff.** | 89.5 | **Power Factor** | 71 | **Line-line Res. @ 25ºC** | 1.65 Ω |
| **Rating - Duty** | | | 40C AMB-CONT | **Temp. Rise @ Rated Load** | 59°C |
| **S.F. Amps** | | | 16.6/8.3 | **Temp. Rise @ S.F. Load** | 72°C |
| | | | | **Locked-rotor Power Factor** | 21.9 |
| | | | | **Rotor inertia** | 1.29 lb-ft² |

**Load Characteristics 460 V, 60 Hz, 5 HP**

| **% of Rated Load** | **25** | **50** | **75** | **100** | **125** | **150** | **S.F.** |
|---|---|---|---|---|---|---|---|
| **Power Factor** | 33 | 52 | 64 | 70 | 74 | 76 | 72 |
| **Efficiency** | 84.4 | 89.3 | 90.2 | 89.7 | 88.6 | 87.1 | 89 |
| **Speed** | 1192 | 1183 | 1175 | 1165 | 1154 | 1141 | 1158 |
| **Line amperes** | 4.28 | 5.07 | 6.08 | 7.39 | 8.87 | 10.6 | 8.28 |

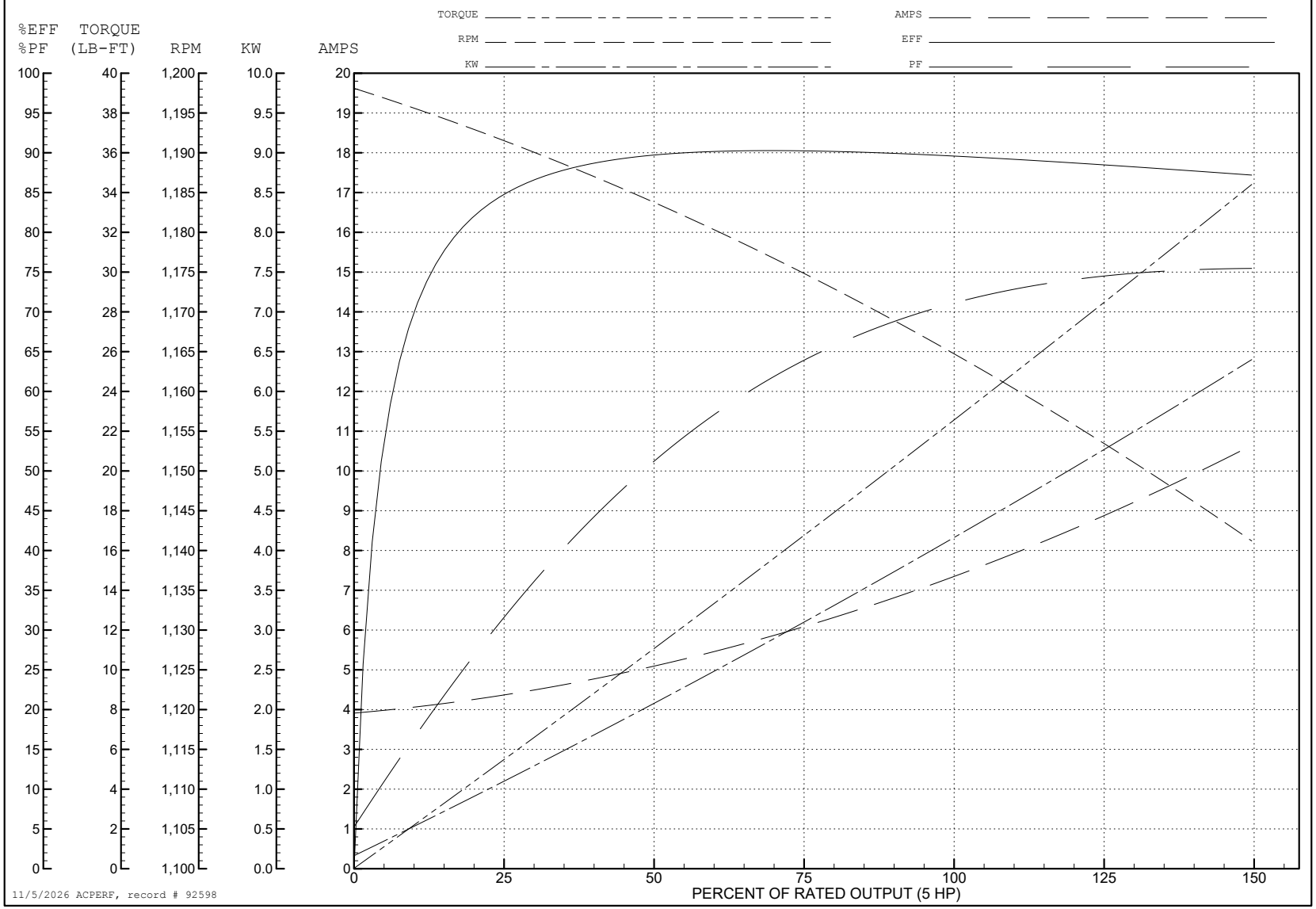
ABB Motors and Mechanical Inc.

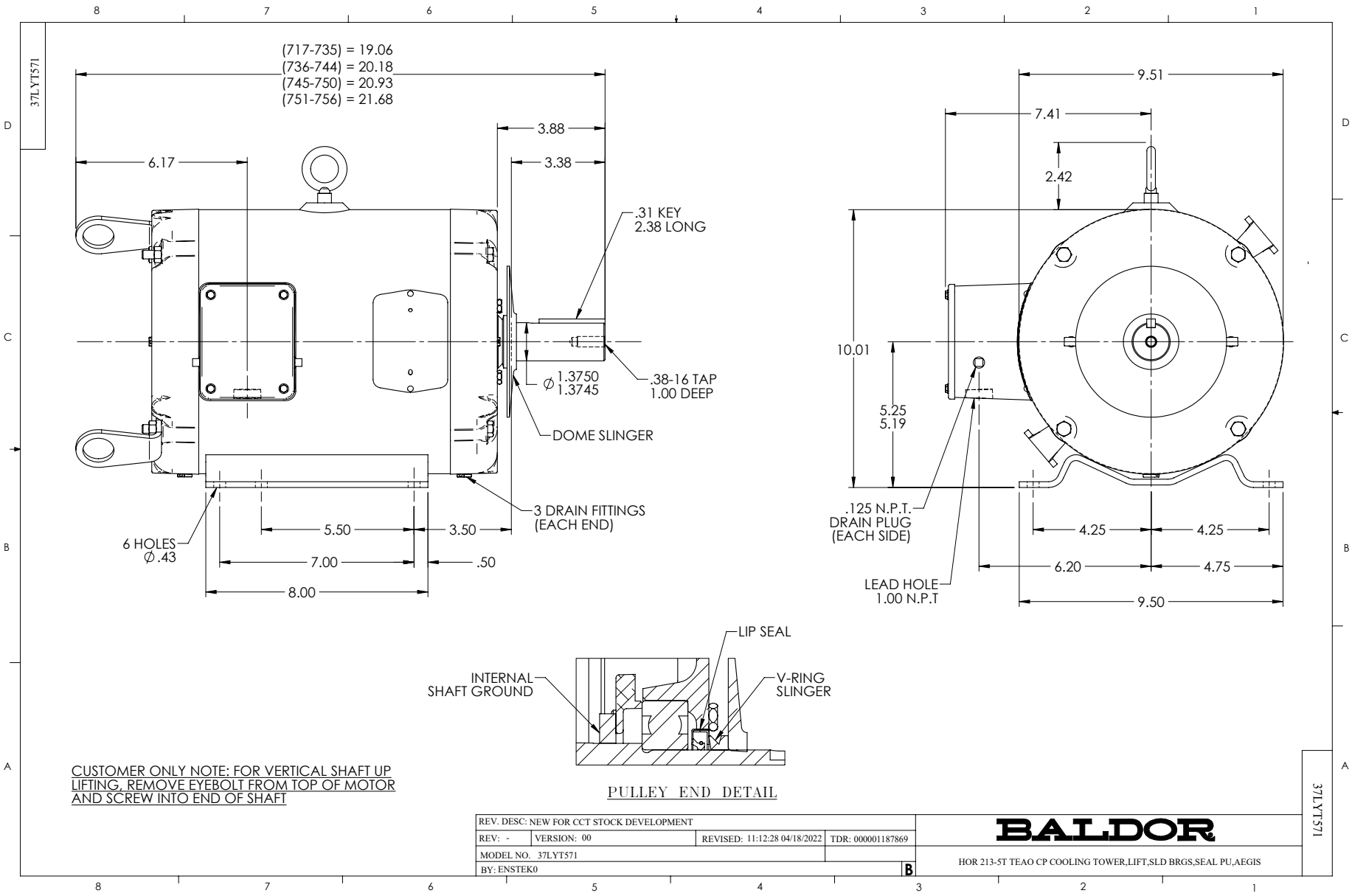
WINDING # 37WGQ067

5 HP 3 PH 60 HZ 1165 RPM 460 V 3752M

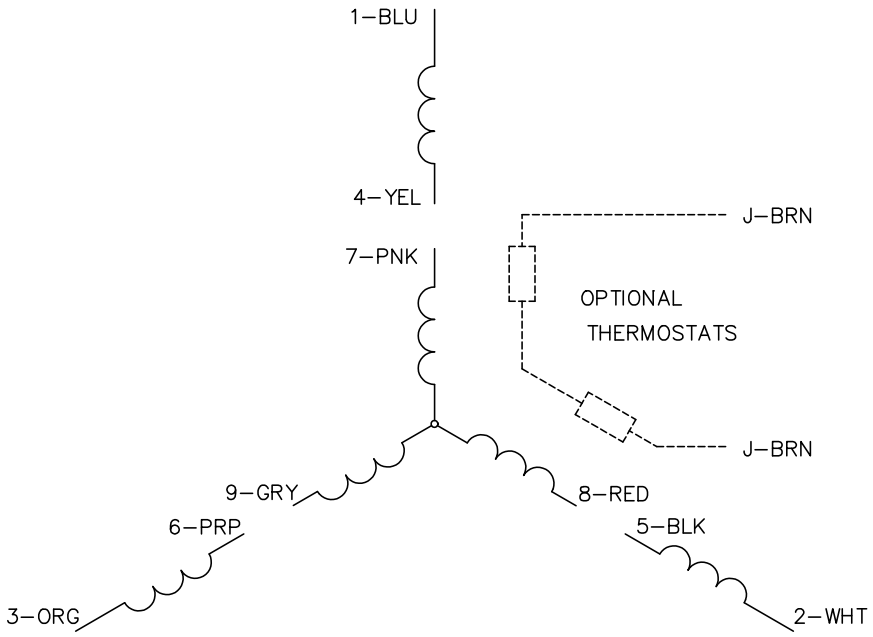
Typical performance - not guaranteed values.

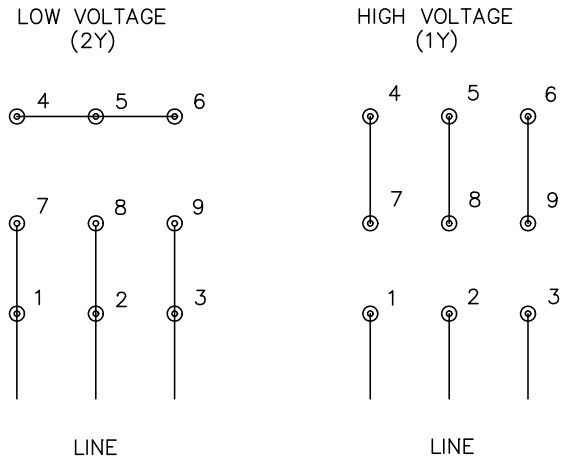
TORQUES(LB-FT): PO=80.1 PU=51.2 LR=55.8 LRA=54.4




37LYT571
(717-735) = 19.06
(736-744) = 20.18
(745-750) = 20.93
(751-756) = 21.68
3.88
6.17
3.38
.31 KEY
2.38 LONG
∅1.3750
1.3745
.38-16 TAP
1.00 DEEP
DOME SLINGER
3 DRAIN FITTINGS
(EACH END)
6 HOLES
∅.43
5.50
3.50
7.00
.50
8.00
9.51
7.41
2.42
10.01
5.25
5.19
.125 N.P.T.
DRAIN PLUG
(EACH SIDE)
4.25
4.25
6.20
4.75
LEAD HOLE
1.00 N.P.T
9.50
LIP SEAL
INTERNAL
SHAFT GROUND
V-RING
SLINGER
PULLEY END DETAIL
CUSTOMER ONLY NOTE: FOR VERTICAL SHAFT UP LIFTING, REMOVE EYEBOLT FROM TOP OF MOTOR AND SCREW INTO END OF SHAFT
REV. DESC: NEW FOR CCT STOCK DEVELOPMENT
REV: - VERSION: 00 REVISED: 11:12:28 04/18/2022 TDR: 000001187869
MODEL NO. 37LYT571
BY: ENSTEK0
B
BALDOR
HOR 213-5T TEAO CP COOLING TOWER,LIFT,SLD BRGS,SEAL PU,AEGIS
37LYT571

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 |