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# Customer information packet

## EL1319T

1.5HP, 1725RPM, 1PH, 60HZ, 145T, 3536LC, OPEN

Class - None

Division - Not Applicable

## Specifications

|                                |                                                              |
|--------------------------------|--------------------------------------------------------------|
| Enclosure                      | OPEN                                                         |
| Frame                          | 145T                                                         |
| Frame Material                 | Steel                                                        |
| Frequency                      | 60.00 Hz                                                     |
| Haz Area Class and Group       | None                                                         |
| Haz Area Division              | Not Applicable                                               |
| Motor Letter Type              | Cap Start, Cap Run                                           |
| Output @ Frequency             | 1.500 HP @ 60 HZ                                             |
| Phase                          | 1                                                            |
| Synchronous Speed @ Frequency  | 1800 RPM @ 60 HZ                                             |
| Voltage @ Frequency            | 115.0 V @ 60 HZ<br>208.0 V @ 60 HZ<br>230.0 V @ 60 HZ        |
| Agency Approvals               | CSA<br>UR                                                    |
| Ambient Temperature            | 40 °C                                                        |
| Auxillary Box                  | No Auxillary Box                                             |
| Auxillary Box Lead Termination | None                                                         |
| Base Indicator                 | Rigid                                                        |
| Bearing Grease Type            | Polyrex EM (-20F +300F)                                      |
| Blower                         | None                                                         |
| Current @ Voltage              | 6.600 A @ 208.0 V<br>6.100 A @ 230.0 V<br>12.300 A @ 115.0 V |
| Design Code                    | L                                                            |
| Drip Cover                     | No Drip Cover                                                |
| Duty Rating                    | CONT                                                         |
| Efficiency @ 100% Load         | 83.8 %                                                       |
| Electrically Isolated Bearing  | Not Electrically Isolated                                    |
| Feedback Device                | NO FEEDBACK                                                  |
| Front Shaft Indicator          | None                                                         |
| Heater Indicator               | No Heater                                                    |

## Part detail

|              |            |
|--------------|------------|
| Revision     | J          |
| Type         | AC         |
| Mech. spec.  | 35EE002    |
| Base         |            |
| Status       | PRD/A      |
| Elec. spec.  | 35WGG129   |
| Layout       | 35LYEE002  |
| Eff. date    | 10-01-2024 |
| CD Diagram   | CD0016A01  |
| Poles        | 04         |
| Leads        | 7#18       |
| Proprietary  | False      |
| Created date | 08-01-2022 |

|                               |                     |
|-------------------------------|---------------------|
| High Voltage Full Load Amps   | 6.1 a               |
| Insulation Class              | F                   |
| Inverter Code                 | Not Inverter        |
| KVA Code                      | J                   |
| Lifting Lugs                  | No Lifting Lugs     |
| Locked Bearing Indicator      | No Locked Bearing   |
| Motor Lead Quantity/Wire Size | 7 @ 18 AWG          |
| Motor Lead Termination        | Flying Leads        |
| Motor Standards               | NEMA                |
| Motor Type                    | 3536LC              |
| Mounting Arrangement          | F1                  |
| Number of Poles               | 4                   |
| Overall Length                | 13.00 IN            |
| Power Factor                  | 94                  |
| 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                | 0.875 IN            |
| Shaft Ground Indicator        | No Shaft Grounding  |
| Shaft Rotation                | Reversible          |
| Shaft Slinger Indicator       | No Slinger          |
| Speed                         | 1725 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

| NP2116L      |                   |  |      |      |  |  |     |    |  |    |   |
|--------------|-------------------|--|------|------|--|--|-----|----|--|----|---|
| CAT.NO.      | EL1319T           |  |      |      |  |  |     |    |  |    |   |
| SPEC.        | 35EE002G129       |  |      |      |  |  |     |    |  |    |   |
| HP           | 1.5               |  |      |      |  |  |     |    |  |    |   |
| VOLTS        | 115/208-230       |  |      |      |  |  |     |    |  |    |   |
| AMP          | 12.8/6.3-5.8      |  |      |      |  |  |     |    |  |    |   |
| RPM          | 1750              |  |      |      |  |  |     |    |  |    |   |
| FRAME        | 145T              |  |      |      |  |  | HZ  | 60 |  | PH | 1 |
| SER.F.       | 1.15              |  | CODE | K    |  |  | DES | L  |  | CL | F |
| NEMA-NOM-EFF | 83.8              |  | PF   | 90   |  |  |     |    |  |    |   |
| RATING       | 40C AMB-CONT      |  |      |      |  |  |     |    |  |    |   |
| CC           |                   |  |      |      |  |  |     |    |  |    |   |
| DE           | 6205              |  | ODE  | 6203 |  |  |     |    |  |    |   |
| ENCL         | OPEN              |  | SN   |      |  |  |     |    |  |    |   |
|              | SFA 14.3/7.8-7.15 |  |      |      |  |  |     |    |  |    |   |

**Accessories**

| Part number   | Description  | Multiplier |
|---------------|--------------|------------|
| 35-8764       | C FACE KIT   | A8         |
| 35EP1506A01SP | D-FLANGE KIT | A8         |

## AC Induction Motor Performance Data

Record # 108313

Typical performance - not guaranteed values

| Winding: 35WGG129-R002 |    |              | Type: 3536LC |                                         | Enclosure: OPEN       |                |                                 |
|------------------------|----|--------------|--------------|-----------------------------------------|-----------------------|----------------|---------------------------------|
| Nameplate Data         |    |              |              | 115 V, 60 Hz:<br>Low Voltage Connection |                       |                |                                 |
| Rated Output (HP)      |    | 1.5          |              | Full Load Torque                        |                       | 4.502 LB-FT    |                                 |
| Volts                  |    | 115/208-230  |              | Start Configuration                     |                       | direct on line |                                 |
| Full Load Amps         |    | 12.8/6.3-5.8 |              | Breakdown Torque                        |                       | 12.8 LB-FT     |                                 |
| R.P.M.                 |    | 1750         |              | Pull-up Torque                          |                       | 10.2 LB-FT     |                                 |
| Hz                     | 60 | Phase        | 1            | Locked-rotor Torque                     |                       | 15.7 LB-FT     |                                 |
| NEMA Design Code       |    | L            | KVA Code     | K                                       | Starting Current      |                | 105 A                           |
| Service Factor (S.F.)  |    | 1.15         |              | No-load Current                         |                       | 5.12 A         |                                 |
| NEMA Nom. Eff.         |    | 83.8         | Power Factor | 90                                      | Line-line Res. @ 25°C |                | 0.42539 Ω A Ph<br>1.0691 Ω B Ph |
| Rating - Duty          |    | 40C AMB-CONT |              | Temp. Rise @ Rated Load                 |                       | 34°C           |                                 |
| S.F. Amps              |    |              |              | Temp. Rise @ S.F. Load                  |                       | 41°C           |                                 |

## Load Characteristics 115 V, 60 Hz, 1.5 HP

| % of Rated Load | 25   | 50   | 75     | 100    | 125    | 150    | S.F. |
|-----------------|------|------|--------|--------|--------|--------|------|
| Power Factor    | 63   | 79   | 86     | 90     | 92     | 93     | 91   |
| Efficiency      | 67.5 | 79.8 | 83.5   | 84.2   | 83.2   | 80.9   | 83.6 |
| Speed           | 1787 | 1777 | 1766.1 | 1753.9 | 1739.6 | 1722.1 | 1745 |
| Line amperes    | 5.8  | 7.77 | 10.1   | 12.8   | 15.9   | 19.4   | 14.7 |

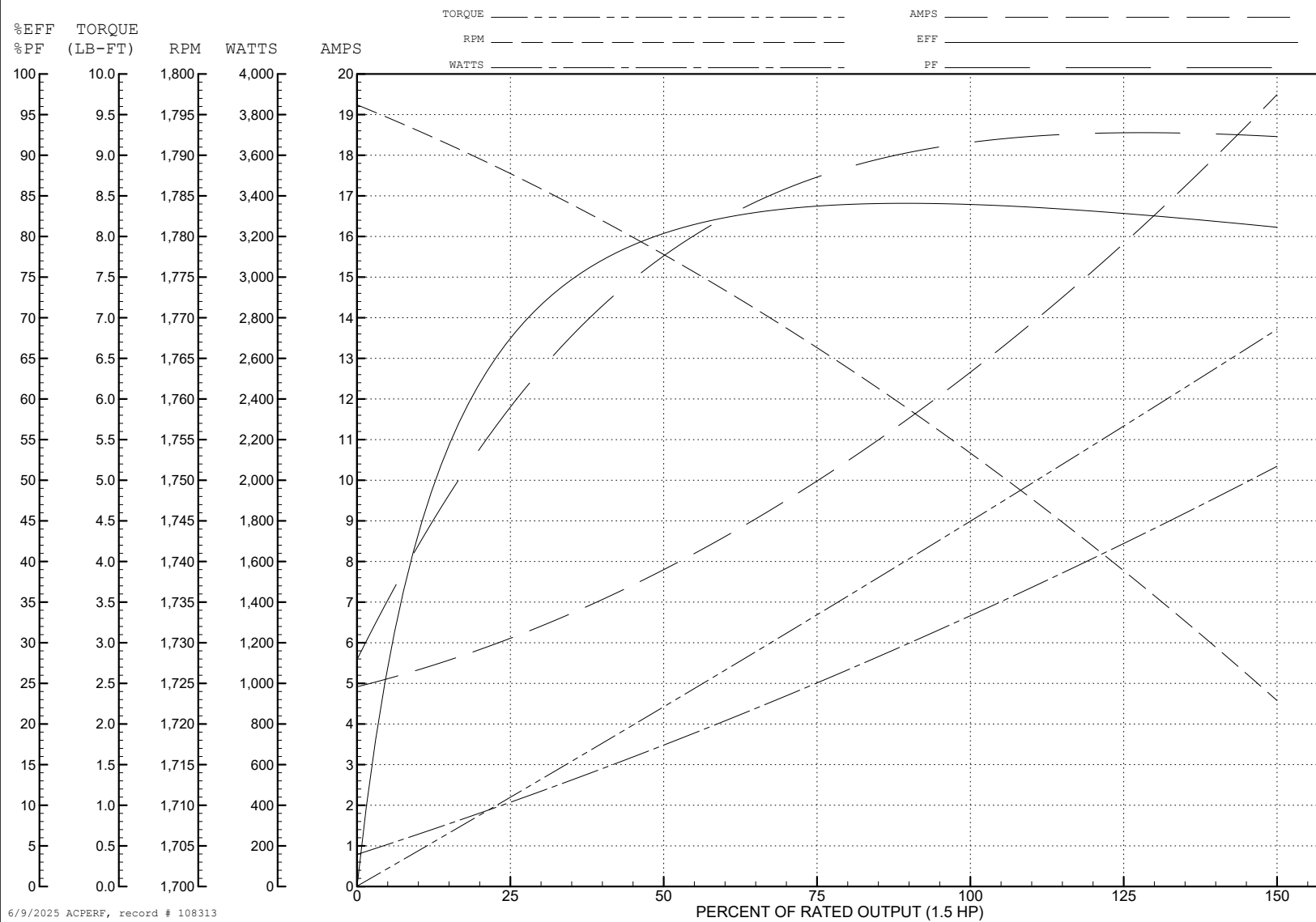
ABB Motors and Mechanical Inc.

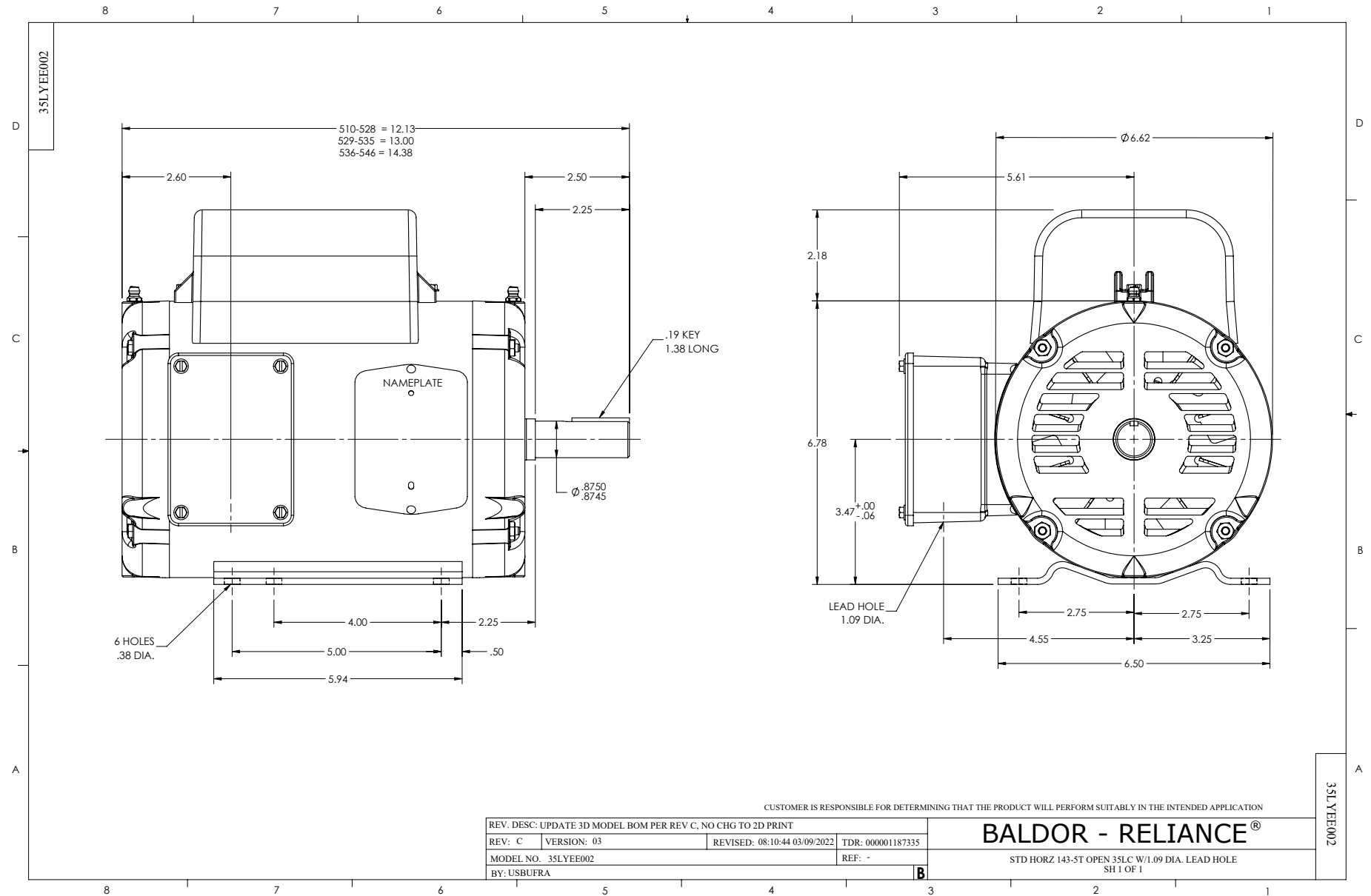
WINDING # 35WGG129

Typical performance - not guaranteed values.

1.5 HP 1 PH 60 HZ 1750 RPM 115 V 3536LC

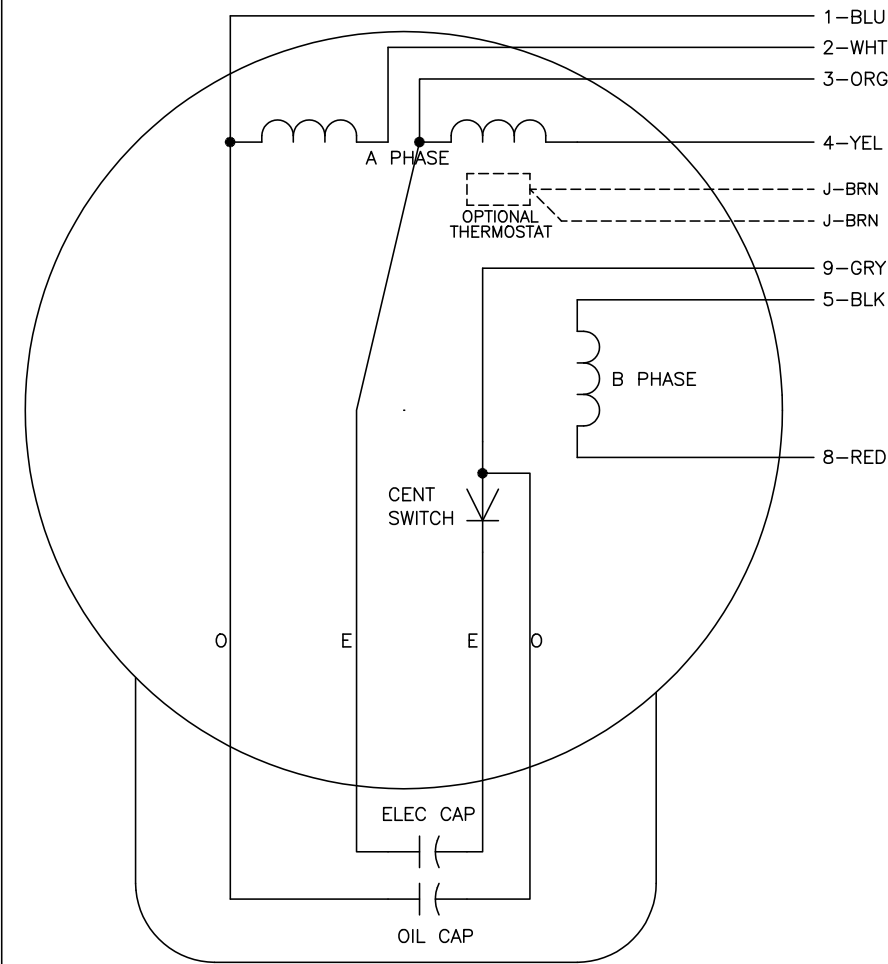
TORQUES (LB-FT): PO=12.8 PU=10.2 LR=15.7 LRA=105







CD0016A01



|          | LINE A | LINE B | JOIN | JOIN |
|----------|--------|--------|------|------|
| HIGH STD | 1      | 4,5    | 2,3  | 8,9  |
| HIGH OPP | 1      | 4,8    | 2,3  | 5,9  |
| LOW STD  | 1,3    | 2,4,5  | 8,9  | —    |
| LOW OPP  | 1,3    | 2,4,8  | 5,9  | —    |

- NOTES:
- 1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
  - 2. OPTIONAL THERMOSTAT IS PROVIDED WHEN SPECIFIED.
  - 3. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
  - 4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

|                                           |         |                        |              |
|-------------------------------------------|---------|------------------------|--------------|
| REV. DESC: REVISE TO SHOW OPTIONAL COLORS |         |                        |              |
| REV. LTR: E                               | BY: JLP | REVISED: 04/09/99 1:19 | TDR: 0178636 |
| 10A9100D0                                 |         | FILE: AAA00007410      | MDL: —       |
|                                           |         | MTL: —                 |              |

BALDOR ELECTRIC Co.

TYPE LC, DV, REV, OIL CAP ACR. LINE, 7 LEADS

CD0016A01