



---

# Customer information packet

## L1322T

2HP, 1735RPM, 1PH, 60HZ, 145T, 3538LC, OPEN, F1

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             | 2.000 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              | 9.200 A @ 208.0 V<br>8.200 A @ 230.0 V<br>18.200 A @ 115.0 V |
| Design Code                    | L                                                            |
| Drip Cover                     | No Drip Cover                                                |
| Duty Rating                    | CONT                                                         |
| Efficiency @ 100% Load         | 78.5 %                                                       |
| Electrically Isolated Bearing  | Not Electrically Isolated                                    |
| Feedback Device                | NO FEEDBACK                                                  |
| Front Shaft Indicator          | None                                                         |
| Heater Indicator               | No Heater                                                    |

## Part detail

|              |                       |
|--------------|-----------------------|
| Revision     | C                     |
| Type         | AC                    |
| Mech. spec.  | 35EE002               |
| Base         |                       |
| Status       | PRD/A                 |
| Elec. spec.  | 35WGG469              |
| Layout       | 35LYEE002             |
| Eff. date    | 06-19-2024            |
| CD Diagram   | CD0016A01             |
| Poles        | 04                    |
| Leads        | 4#16 A PH,3#18 B PH Y |
| Proprietary  | False                 |
| Created date | 02-23-2023            |

|                               |                     |
|-------------------------------|---------------------|
| High Voltage Full Load Amps   | 8.2 a               |
| Insulation Class              | F                   |
| Inverter Code                 | Not Inverter        |
| KVA Code                      | G                   |
| Lifting Lugs                  | No Lifting Lugs     |
| Locked Bearing Indicator      | No Locked Bearing   |
| Motor Lead Quantity/Wire Size | 4 @ 16 AWG, A PH    |
| Motor Lead Termination        | Flying Leads        |
| Motor Standards               | NEMA                |
| Motor Type                    | 3538LC              |
| Mounting Arrangement          | F1                  |
| Number of Poles               | 4                   |
| Overall Length                | 14.38 IN            |
| Power Factor                  | 98                  |
| 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                         | 1735 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

| NP1256L      |                    |      |     |      |   |       |   |  |  |
|--------------|--------------------|------|-----|------|---|-------|---|--|--|
| CAT.NO.      | L1322T             |      |     |      |   |       |   |  |  |
| SPEC.        | 35EE002G469        |      |     |      |   |       |   |  |  |
| HP           | 2                  |      |     |      |   |       |   |  |  |
| VOLTS        | 115/208-230        |      |     |      |   |       |   |  |  |
| AMP          | 18.2/9.2-8.2       |      |     |      |   |       |   |  |  |
| RPM          | 1735               |      |     |      |   |       |   |  |  |
| FRAME        | 145T               |      | HZ  | 60   |   | PH    | 1 |  |  |
| SER.F.       | 1.15               | CODE | G   | DES  | L | CLASS | F |  |  |
| NEMA-NOM-EFF | 78.5               | PF   | 98  |      |   |       |   |  |  |
| RATING       | 40C AMB-CONT       |      |     |      |   |       |   |  |  |
| CC           |                    |      |     |      |   |       |   |  |  |
| DE           | 6205               |      | ODE | 6203 |   |       |   |  |  |
| ENCL         | OPEN               | SN   |     |      |   |       |   |  |  |
|              | SFA 20.4/11.2-10.2 |      |     |      |   |       |   |  |  |

**Accessories**

| Part number   | Description  | Multiplier |
|---------------|--------------|------------|
| 35-8764       | C FACE KIT   | A8         |
| 35EP1604A01SP | D-FLANGE KIT |            |

## AC Induction Motor Performance Data

Record # 104654

Typical performance - not guaranteed values

| Winding: 35WGG469-R004 |    |                | Type: 3538LC |                                         | Enclosure: OPEN       |                |                              |
|------------------------|----|----------------|--------------|-----------------------------------------|-----------------------|----------------|------------------------------|
| Nameplate Data         |    |                |              | 115 V, 60 Hz:<br>Low Voltage Connection |                       |                |                              |
| Rated Output (HP)      |    | 2              |              | Full Load Torque                        |                       | 5.98 LB-FT     |                              |
| Volts                  |    | 115/208-230    |              | Start Configuration                     |                       | direct on line |                              |
| Full Load Amps         |    | 18.2/9.2-8.2   |              | Breakdown Torque                        |                       | 15.4 LB-FT     |                              |
| R.P.M.                 |    | 1735           |              | Pull-up Torque                          |                       | 14.1 LB-FT     |                              |
| Hz                     | 60 | Phase          | 1            | Locked-rotor Torque                     |                       | 16.1 LB-FT     |                              |
| NEMA Design Code       |    | L              | KVA Code     | G                                       | Starting Current      |                | 126 A                        |
| Service Factor (S.F.)  |    | 1.15           |              | No-load Current                         |                       | 7.98 A         |                              |
| NEMA Nom. Eff.         |    | 78.5           | Power Factor | 98                                      | Line-line Res. @ 25°C |                | 0.357 Ω A Ph<br>0.894 Ω B Ph |
| Rating - Duty          |    | 40C AMB-CONT   |              | Temp. Rise @ Rated Load                 |                       | 48°C           |                              |
| S.F. Amps              |    | 20.4/11.2-10.2 |              | Temp. Rise @ S.F. Load                  |                       | 58°C           |                              |
|                        |    |                |              | Locked-rotor Power Factor               |                       | 92.1           |                              |
|                        |    |                |              | Rotor inertia                           |                       | 0.275 lb-ft²   |                              |

## Load Characteristics 115 V, 60 Hz, 2 HP

| % of Rated Load | 25   | 50   | 75    | 100  | 125   | 150   | S.F. |
|-----------------|------|------|-------|------|-------|-------|------|
| Power Factor    | 58   | 77   | 88    | 93   | 95    | 99    | 94   |
| Efficiency      | 65.8 | 79.8 | 81.6  | 81.1 | 79.1  | 77.6  | 79.9 |
| Speed           | 1783 | 1769 | 1754  | 1734 | 1713  | 1704  | 1721 |
| Line amperes    | 8.68 | 10.7 | 13.51 | 18.2 | 21.05 | 22.84 | 19.9 |

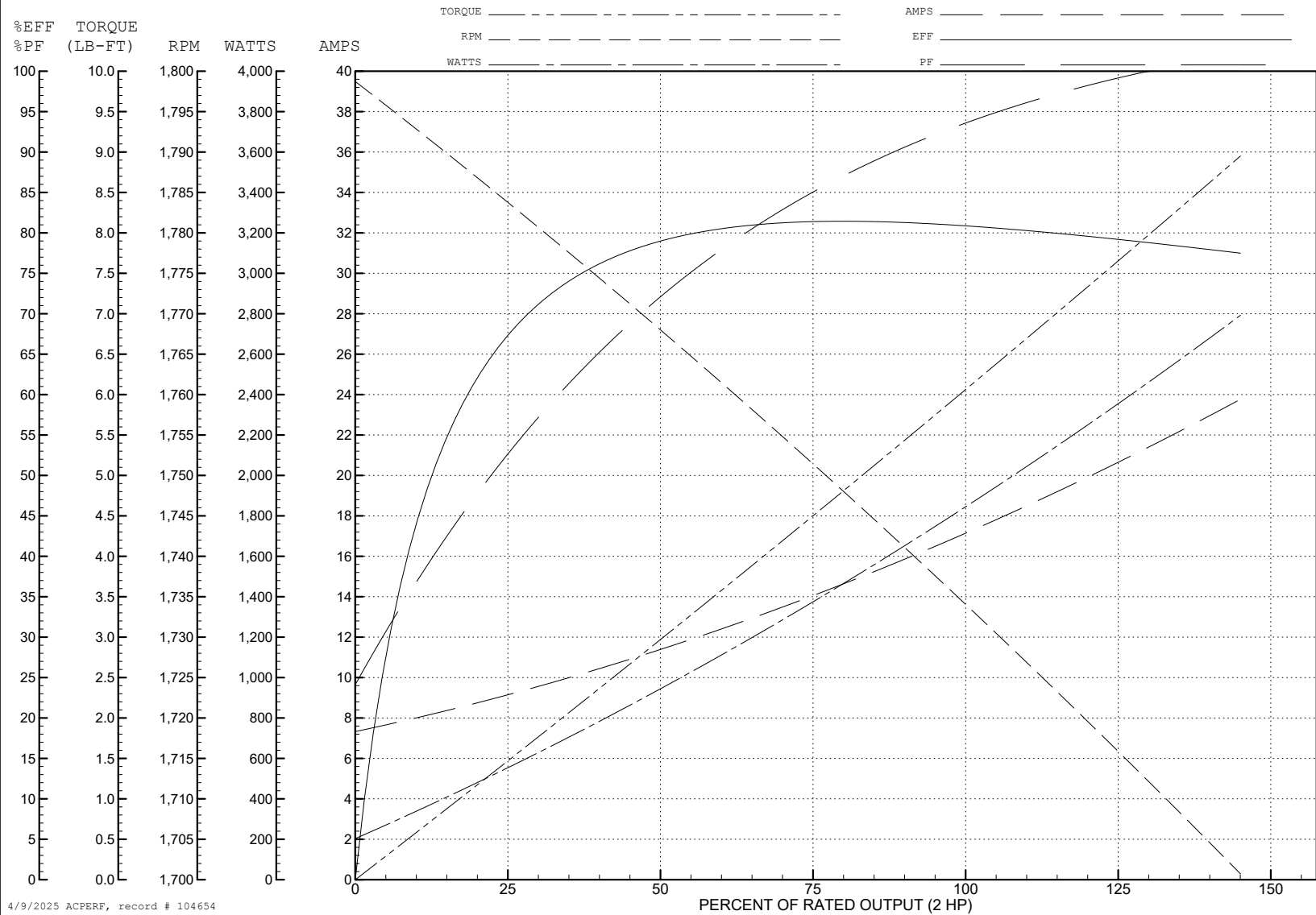
ABB Motors and Mechanical Inc.

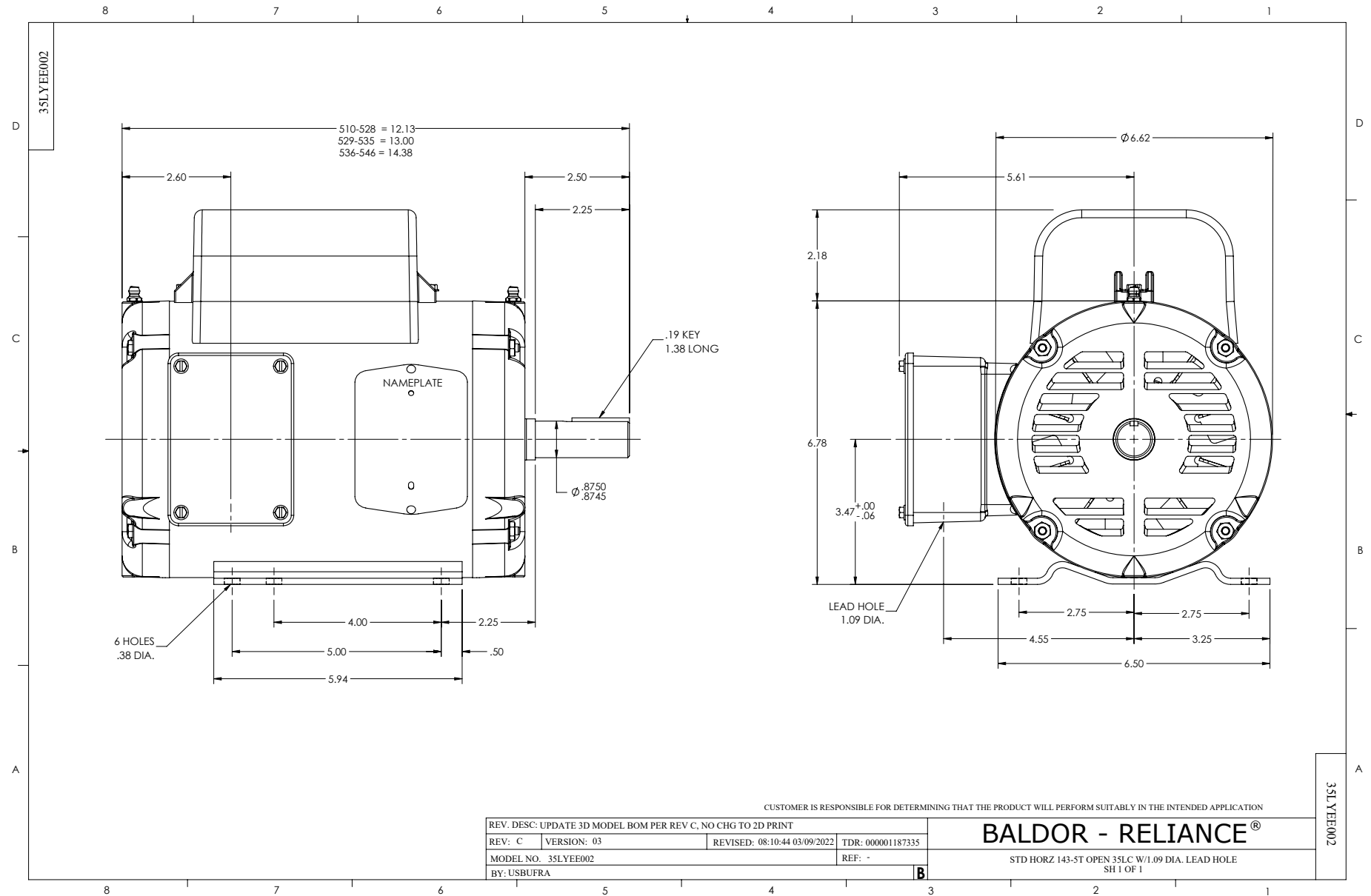
WINDING # 35WGG469

Typical performance - not guaranteed values.

2 HP 1 PH 60 HZ 1735 RPM 115 V 3538LC

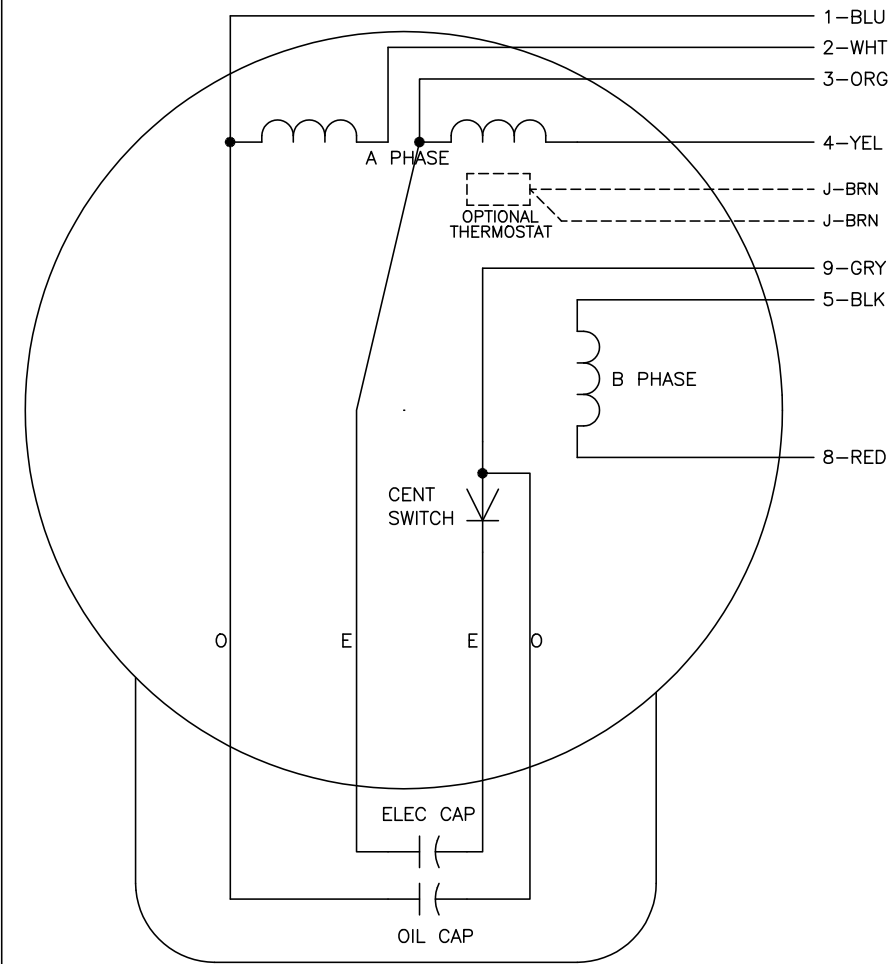
TORQUES (LB-FT): PO=15.4 PU=14.1 LR=16.1 LRA=126







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