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# Customer information packet

## L3514T-50

1.5/1.1KW, 1455RPM, 1PH, 50HZ, 145T, 3540LC, T

Class - None

Division - Not Applicable

## Specifications

|                                |  |
|--------------------------------|--|
| Enclosure                      | TEFC                                   |
| Frame                          | 145T                                   |
| Frame Material                 | Steel                                  |
| Frequency                      | 50.00 Hz                               |
| Haz Area Class and Group       | None                                   |
| Haz Area Division              | Not Applicable                         |
| Motor Letter Type              | Cap Start, Cap Run                     |
| Output @ Frequency             | 1.100 KW @ 50 HZ                       |
| Phase                          | 1                                      |
| Synchronous Speed @ Frequency  | 1500 RPM @ 50 HZ                       |
| Voltage @ Frequency            | 220.0 V @ 50 HZ                        |
| Agency Approvals               | C UR US<br>WEEE<br>UKCA<br>CURUS<br>CE |
| 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              | 6.200 A @ 220.0 V                      |
| Design Code                    | -                                      |
| Drip Cover                     | No Drip Cover                          |
| Duty Rating                    | CONT                                   |
| Efficiency @ 100% Load         | 81.4 %                                 |
| Electrically Isolated Bearing  | Not Electrically Isolated              |
| Feedback Device                | NO FEEDBACK                            |
| Front Shaft Indicator          | None                                   |
| Heater Indicator               | No Heater                              |
| High Voltage Full Load Amps    | 6.2 a                                  |

## Part detail

|              |            |
|--------------|------------|
| Revision     | H          |
| Type         | AC         |
| Mech. spec.  | 35EE001    |
| Base         |            |
| Status       | PRD/A      |
| Elec. spec.  | 35WGG774   |
| Layout       | 35LYEE001  |
| Eff. date    | 05-27-2025 |
| CD Diagram   | CD0017A02  |
| Poles        | 04         |
| Leads        | 4#18       |
| Proprietary  | False      |
| Created date | 10-10-2023 |

|                                      |                     |
|--------------------------------------|---------------------|
| <b>Insulation Class</b>              | F                   |
| <b>Inverter Code</b>                 | Not Inverter        |
| <b>KVA Code</b>                      | J                   |
| <b>Lifting Lugs</b>                  | No Lifting Lugs     |
| <b>Locked Bearing Indicator</b>      | No Locked Bearing   |
| <b>Motor Lead Quantity/Wire Size</b> | 4 @ 18 AWG          |
| <b>Motor Lead Termination</b>        | Flying Leads        |
| <b>Motor Standards</b>               | NEMA                |
| <b>Motor Type</b>                    | 3540LC              |
| <b>Mounting Arrangement</b>          | F1                  |
| <b>Number of Poles</b>               | 4                   |
| <b>Overall Length</b>                | 15.53 IN            |
| <b>Power Factor</b>                  | 98                  |
| <b>Product Family</b>                | General Purpose     |
| <b>Pulley End Bearing Type</b>       | Ball                |
| <b>Pulley Face Code</b>              | Standard            |
| <b>Pulley Shaft Indicator</b>        | Standard            |
| <b>Rodent Screen</b>                 | None                |
| <b>Service Factor</b>                | 1.15                |
| <b>Shaft Diameter</b>                | 0.875 IN            |
| <b>Shaft Ground Indicator</b>        | No Shaft Grounding  |
| <b>Shaft Rotation</b>                | Reversible          |
| <b>Shaft Slinger Indicator</b>       | No Slinger          |
| <b>Speed</b>                         | 1455 rpm            |
| <b>Speed Code</b>                    | Single Speed        |
| <b>Starting Method</b>               | Direct on line      |
| <b>Thermal Device - Bearing</b>      | None                |
| <b>Thermal Device - Winding</b>      | None                |
| <b>Vibration Sensor Indicator</b>    | No Vibration Sensor |
| <b>Winding Thermal 1</b>             | None                |
| <b>Winding Thermal 2</b>             | None                |

**Nameplate**

| <b>NP1372L</b>        |                          |             |                 |            |   |           |   |  |  |  |
|-----------------------|--------------------------|-------------|-----------------|------------|---|-----------|---|--|--|--|
| <b>CAT.NO.</b>        | L3514T-50                |             |                 |            |   |           |   |  |  |  |
| <b>SPEC.</b>          | 35EE001G774              |             |                 |            |   |           |   |  |  |  |
| <b>HP</b>             | 1.5/1.1KW                |             |                 |            |   |           |   |  |  |  |
| <b>VOLTS</b>          | 220                      |             |                 |            |   |           |   |  |  |  |
| <b>AMP</b>            | 6.2                      |             |                 |            |   |           |   |  |  |  |
| <b>R.P.M. (1/MIN)</b> | 1455                     |             |                 |            |   |           |   |  |  |  |
| <b>FRAME</b>          | 145T                     |             | <b>HZ</b>       | 50         |   | <b>PH</b> | 1 |  |  |  |
| <b>SER.F.</b>         | 1.15                     | <b>CODE</b> | J               | <b>DES</b> | - | <b>CL</b> | F |  |  |  |
| <b>NEMA-NOM-EFF</b>   | 81.4                     | <b>PF</b>   | 98              |            |   |           |   |  |  |  |
| <b>RATING</b>         | 40C AMB-S1 CONT          |             |                 |            |   |           |   |  |  |  |
| <b>CC</b>             |                          |             | IP44 IC411 32KG |            |   |           |   |  |  |  |
| <b>DE</b>             | 6205                     |             | <b>ODE</b>      | 6203       |   |           |   |  |  |  |
| <b>ENCL</b>           | TEFC                     | <b>SN</b>   |                 |            |   |           |   |  |  |  |
|                       | IE2-50HZ 81(75%),76(50%) |             |                 |            |   |           |   |  |  |  |

**Accessories**

| <b>Part number</b> | <b>Description</b> | <b>Multiplier</b> |
|--------------------|--------------------|-------------------|
| 35-8762            | C FACE KIT         | A8                |
| 35EP1506A01SP      | D-FLANGE KIT       | A8                |

**AC Induction Motor Performance Data**

Record # 101541

Typical performance - not guaranteed values

| Winding: 35WGG774-R001 |              | Type: 3540LC            | Enclosure: TEFC                               |  |
|------------------------|--------------|-------------------------|---|--|
| <b>Nameplate Data</b>  |              |                         | <b>220 V, 50 Hz:<br/>Single Voltage Motor</b> |  |
| Rated Output (KW)      | 1.1          | Full Load Torque        | 5.317 LB-FT                                   |  |
| Volts                  | 220          | Start Configuration     | direct on line                                |  |
| Full Load Amps         | 6.2          | Breakdown Torque        | 14.3 LB-FT                                    |  |
| R.P.M.                 | 1455         | Pull-up Torque          | 11.5 LB-FT                                    |  |
| Hz                     | 50           | Locked-rotor Torque     | 14.3 LB-FT                                    |  |
| NEMA Design Code       | -            | Starting Current        | 49.2 A  |  |
| Service Factor (S.F.)  | 1.15         | No-load Current         | 1.46 A  |  |
| NEMA Nom. Eff.         | 81.4         | Line-line Res. @ 25°C   | 1.8474 Ω A Ph<br>2.6102 Ω B Ph                |  |
| Rating - Duty          | 40C AMB-CONT | Temp. Rise @ Rated Load | 57°C  |  |
| S.F. Amps              |              | Temp. Rise @ S.F. Load  | 68°C  |  |

**Load Characteristics 220 V, 50 Hz, 1.1 KW**

| % of Rated Load | 25     | 50   | 75     | 100    | 125    | 150    | S.F. |
|-----------------|--------|------|--------|--------|--------|--------|------|
| Power Factor    | 94     | 98   | 98     | 98     | 98     | 98     | 98   |
| Efficiency      | 60.6   | 76.7 | 81.7   | 82.9   | 82.1   | 79.4   | 82.4 |
| Speed           | 1488.5 | 1479 | 1468.7 | 1456.9 | 1442.7 | 1424.4 | 1448 |
| Line amperes    | 2.21   | 3.36 | 4.67   | 6.13   | 7.74   | 9.61   | 7.1  |

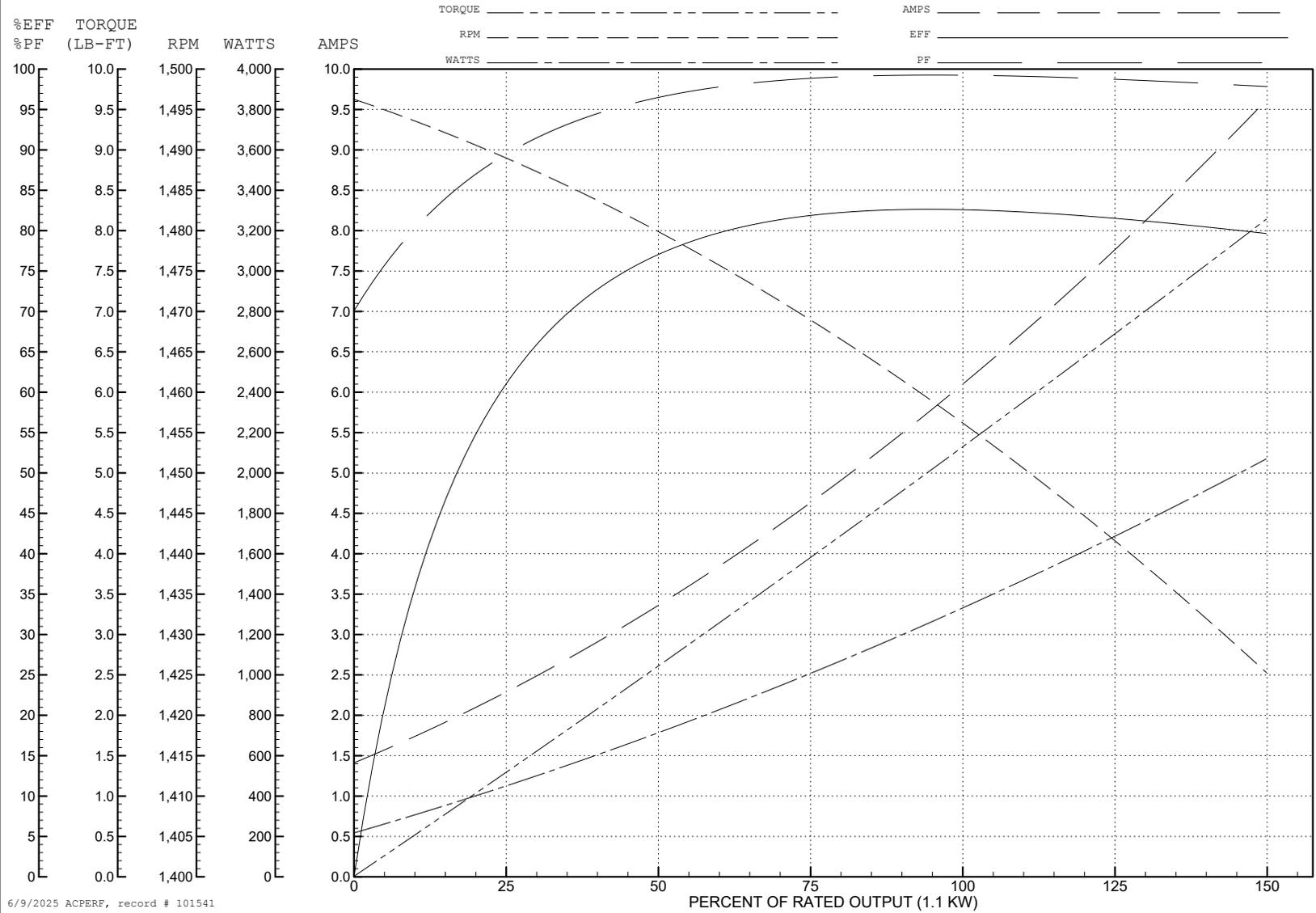
ABB Motors and Mechanical Inc.

WINDING # 35WGG774

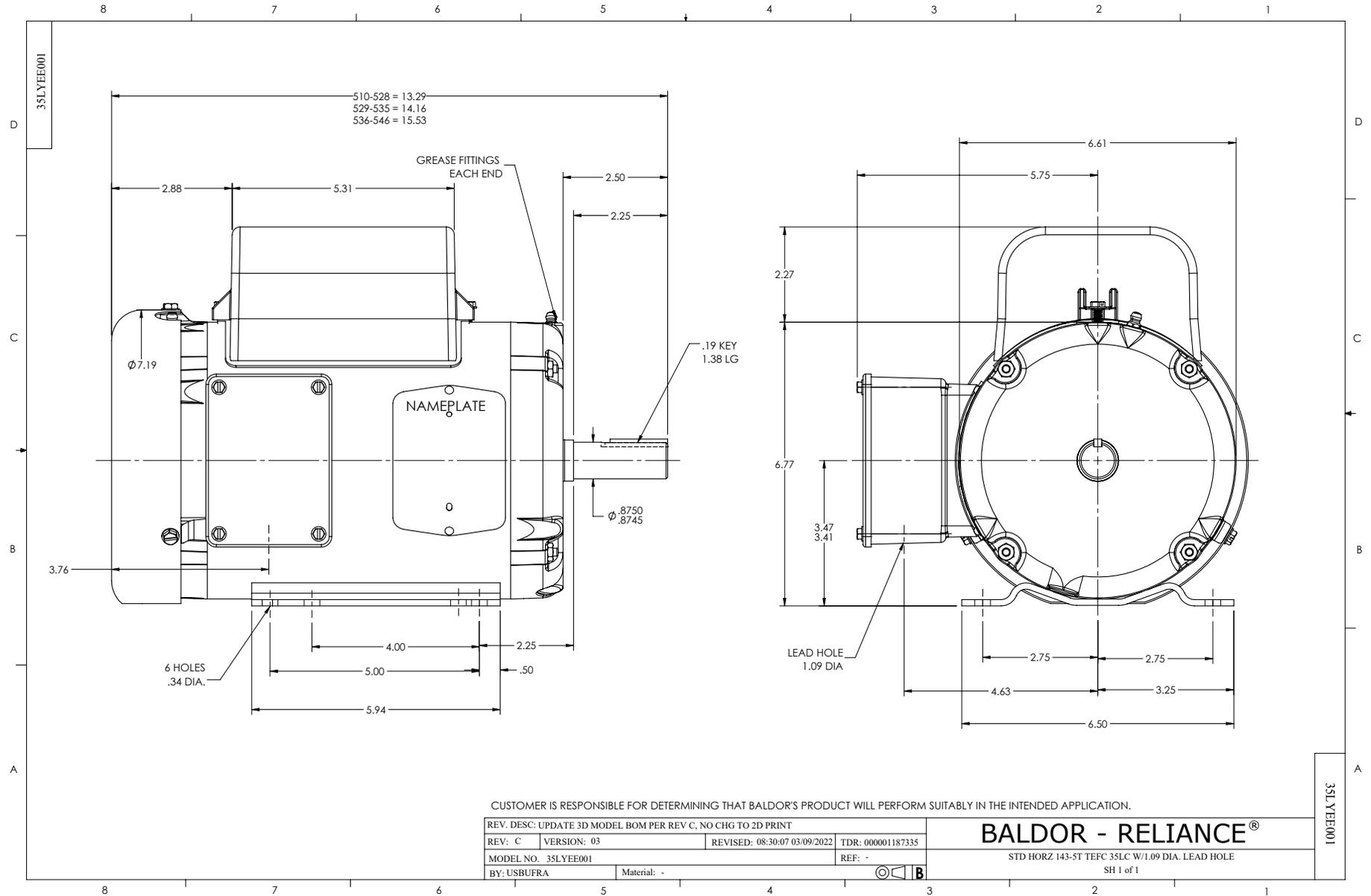
Typical performance - not guaranteed values.

1.1 KW 1 PH 50 HZ 1455 RPM 220 V 3540LC

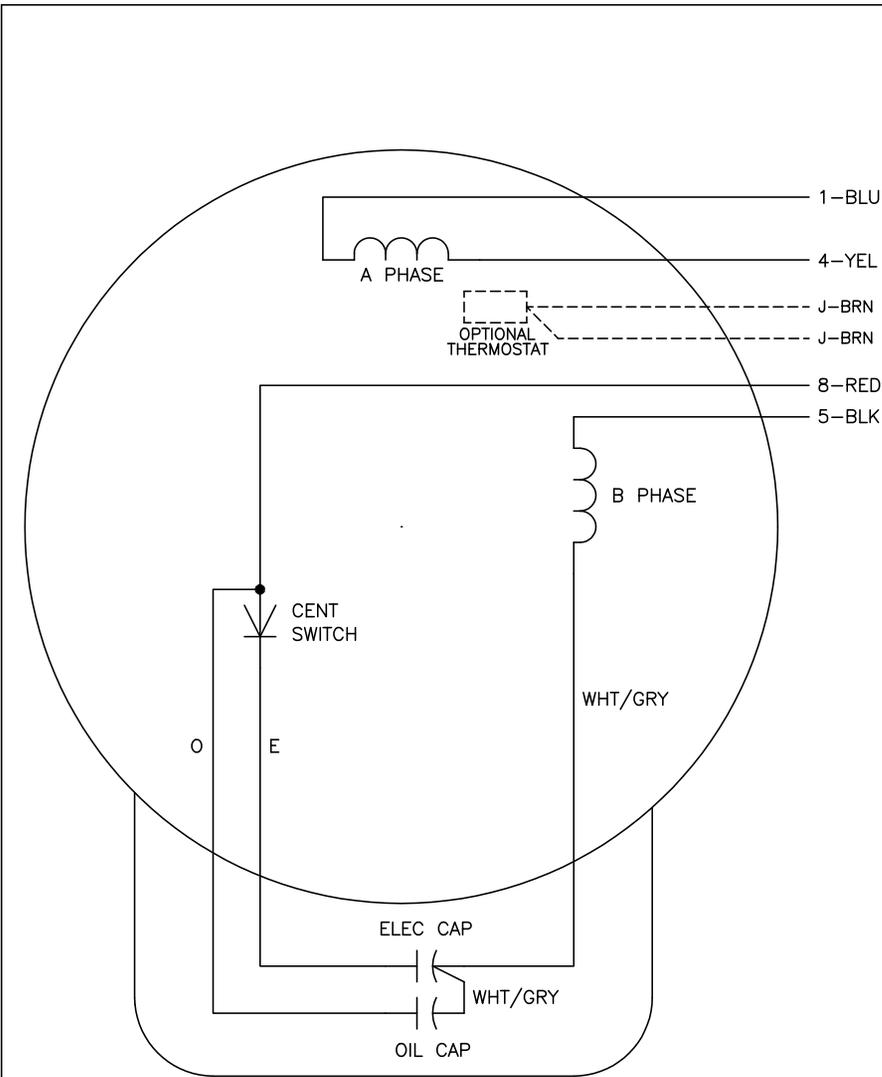
TORQUES (LB-FT): PO=14.3 PU=11.5 LR=14.3 LRA=49.2



6/9/2025 ACPERF, record # 101541



CD0017A02



|     | LINE A | LINE B |
|-----|--------|--------|
| STD | 1,8    | 4,5    |
| OPP | 1,5    | 4,8    |

**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.

CD0017A02

|   |         |                         |              |
|---|---------|-------------------------|--------------|
| REV. DESC: REVISE TO SHOW OPTIONAL COLORS |         |                         |              |
| REV. LTR: B                               | BY: JLP | REVISED: 04/09/99 11:30 | TDR: 0178636 |
| CD0017A02                                 |         | FILE: AAA00007514       | MDL: -       |
|   |         | MTL: -                  |              |

**BALDOR ELECTRIC Co.**

TYPE LC, SV, REV, 4 LEADS