

# ABB BALDOR RELIANCE III

---

## Customer information packet L3351

.08HP, 1725RPM, 1PH, 60HZ, 42, 3310L, TEFC, F1

**Specifications**

|                                       |                                                             |
|---------------------------------------|-------------------------------------------------------------|
| <b>Enclosure</b>                      | TEFC                                                        |
| <b>Frame</b>                          | 42                                                          |
| <b>Frame Material</b>                 | Steel                                                       |
| <b>Frequency</b>                      | 60.00 Hz                                                    |
| <b>Motor Letter Type</b>              | Cap Start, Induction Run                                    |
| <b>Output @ Frequency</b>             | .080 HP @ 60 HZ                                             |
| <b>Phase</b>                          | 1                                                           |
| <b>Synchronous Speed @ Frequency</b>  | 1800 RPM @ 60 HZ                                            |
| <b>Voltage @ Frequency</b>            | 230.0 V @ 60 HZ<br>115.0 V @ 60 HZ                          |
| <b>Agency Approvals</b>               | C UR US<br>CURUS                                            |
| <b>Ambient Temperature</b>            | 40 °C                                                       |
| <b>Auxiliary Box</b>                  | NO AUXILLARY BOX                                            |
| <b>Auxiliary Box Lead Termination</b> | None                                                        |
| <b>Base Indicator</b>                 | Rigid                                                       |
| <b>Bearing Grease Type</b>            | Polyrex EM (-20F +300F)                                     |
| <b>Blower</b>                         | None                                                        |
| <b>Current @ Voltage</b>              | 1.000 A @ 230.0 V<br>1.150 A @ 208.0 V<br>2.000 A @ 115.0 V |
| <b>Design Code</b>                    | -                                                           |
| <b>Drip Cover</b>                     | No Drip Cover                                               |
| <b>Duty Rating</b>                    | CONT                                                        |
| <b>Efficiency @ 100% Load</b>         | 44.0 %                                                      |
| <b>Electrically Isolated Bearing</b>  | Not Electrically Isolated                                   |
| <b>Feedback Device</b>                | NO FEEDBACK                                                 |
| <b>Feedback Signal</b>                | NONE                                                        |
| <b>Front Face Code</b>                | Standard                                                    |
| <b>Front Shaft Indicator</b>          | None                                                        |
| <b>Heater Indicator</b>               | No Heater                                                   |
| <b>High Voltage Full Load Amps</b>    | 1.0 a                                                       |

**Part Detail**

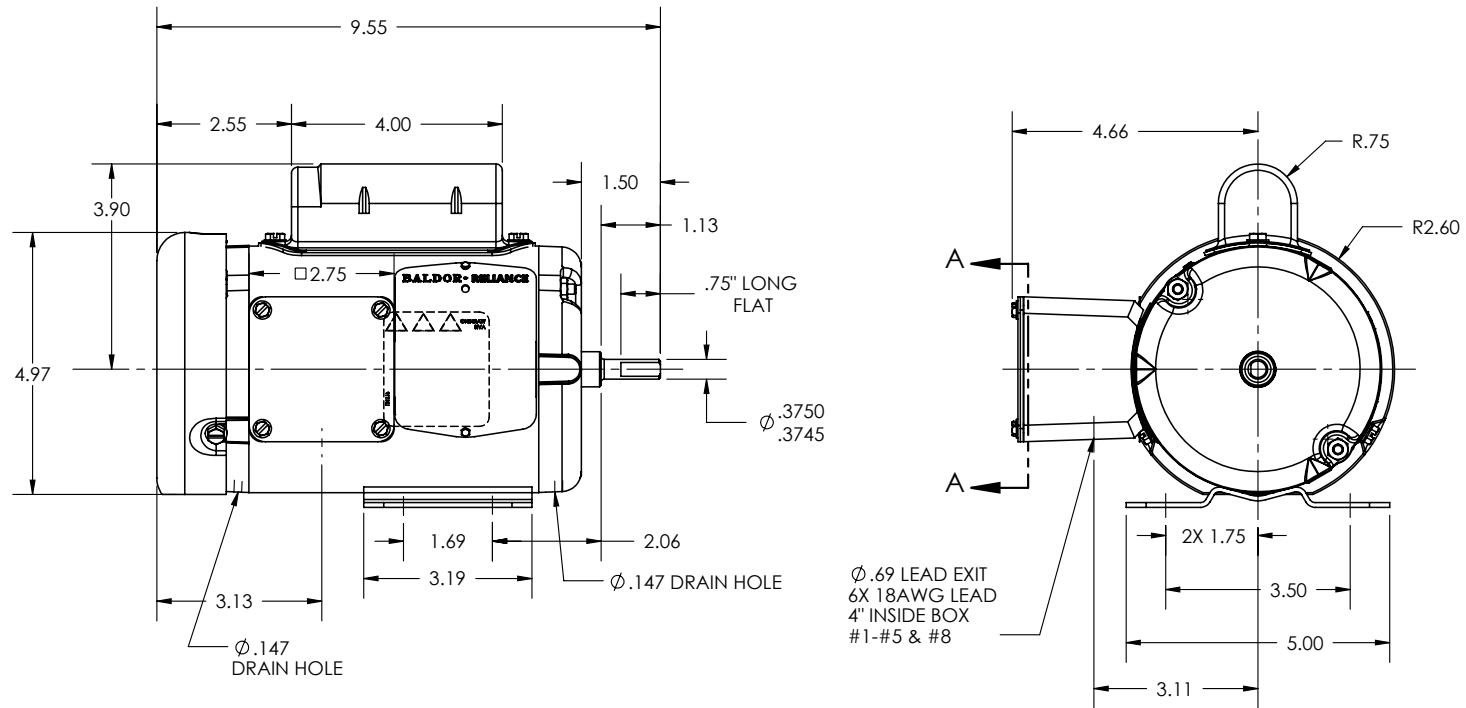
|                     |            |
|---------------------|------------|
| <b>Revision</b>     | AS         |
| <b>Type</b>         | AC         |
| <b>Mech. spec.</b>  | 33-850     |
| <b>Base</b>         |            |
| <b>Status</b>       | PRD/A      |
| <b>Elec. spec.</b>  | 33WG0933   |
| <b>Layout</b>       | 33LY0850   |
| <b>Eff. date</b>    | 10-24-2024 |
| <b>CD Diagram</b>   | CD0001A10  |
| <b>Poles</b>        | 04         |
| <b>Leads</b>        | 6#18       |
| <b>Proprietary</b>  | False      |
| <b>Created date</b> | 06-25-2007 |

|                                      |                            |
|--------------------------------------|----------------------------|
| <b>Insulation Class</b>              | <b>B</b>                   |
| <b>Inverter Code</b>                 | <b>Not Inverter</b>        |
| <b>KVA Code</b>                      | <b>M</b>                   |
| <b>Lifting Lugs</b>                  | <b>No Lifting Lugs</b>     |
| <b>Locked Bearing Indicator</b>      | <b>No Locked Bearing</b>   |
| <b>Motor Lead Exit</b>               | <b>Ko Box</b>              |
| <b>Motor Lead Quantity/Wire Size</b> | <b>6 @ 18 AWG</b>          |
| <b>Motor Lead Termination</b>        | <b>Flying Leads</b>        |
| <b>Motor Standards</b>               | <b>NEMA</b>                |
| <b>Motor Type</b>                    | <b>3310L</b>               |
| <b>Mounting Arrangement</b>          | <b>F1</b>                  |
| <b>Number of Poles</b>               | <b>4</b>                   |
| <b>Overall Length</b>                | <b>9.56 IN</b>             |
| <b>Power Factor</b>                  | <b>52</b>                  |
| <b>Product Family</b>                | <b>General Purpose</b>     |
| <b>Pulley End Bearing Type</b>       | <b>Ball</b>                |
| <b>Pulley Face Code</b>              | <b>Standard</b>            |
| <b>Pulley Shaft Indicator</b>        | <b>Standard</b>            |
| <b>Rodent Screen</b>                 | <b>None</b>                |
| <b>RoHS Status</b>                   | <b>ROHS COMPLIANT</b>      |
| <b>Service Factor</b>                | <b>1.40</b>                |
| <b>Shaft Diameter</b>                | <b>0.375 IN</b>            |
| <b>Shaft Extension Location</b>      | <b>Pulley End</b>          |
| <b>Shaft Ground Indicator</b>        | <b>No Shaft Grounding</b>  |
| <b>Shaft Rotation</b>                | <b>Reversible</b>          |
| <b>Shaft Slinger Indicator</b>       | <b>No Slinger</b>          |
| <b>Speed</b>                         | <b>1725 rpm</b>            |
| <b>Speed Code</b>                    | <b>Single Speed</b>        |
| <b>Starting Method</b>               | <b>Direct on line</b>      |
| <b>Thermal Device - Bearing</b>      | <b>None</b>                |
| <b>Thermal Device - Winding</b>      | <b>None</b>                |
| <b>Vibration Sensor Indicator</b>    | <b>No Vibration Sensor</b> |
| <b>Winding Thermal 1</b>             | <b>None</b>                |
| <b>Winding Thermal 2</b>             | <b>None</b>                |

**Nameplate**

| NP1256L      |              |      |     |      |   |       |    |   |  |
|--------------|--------------|------|-----|------|---|-------|----|---|--|
| CAT.NO.      | L3351        |      |     |      |   |       |    |   |  |
| SPEC.        | 33-850-933   |      |     |      |   |       |    |   |  |
| HP           | .08          |      |     |      |   |       |    |   |  |
| VOLTS        | 115/230      |      |     |      |   |       |    |   |  |
| AMP          | 2/1          |      |     |      |   |       |    |   |  |
| RPM          | 1725         |      |     |      |   |       |    |   |  |
| FRAME        | 42           |      | HZ  | 60   |   |       | PH | 1 |  |
| SER.F.       | 1.40         | CODE | M   | DES  | - | CLASS | B  |   |  |
| NEMA-NOM-EFF | 44           | PF   | 52  |      |   |       |    |   |  |
| RATING       | 40C AMB-CONT |      |     |      |   |       |    |   |  |
| CC           |              |      |     |      |   |       |    |   |  |
| DE           | 6203         |      | ODE | 6203 |   |       |    |   |  |
| ENCL         | TEFC         | SN   |     |      |   |       |    |   |  |
|              | SFA 2.2/1.1  |      |     |      |   |       |    |   |  |

33-850-933



### SECTION A-A

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION

REV. DESC: NO CHANGES, OPENED FOR CUSTOMER DXF EXPORT

REV: B VERSION: 02 REVISED: 09:19:57 09/03/2014 TDR: 000000869165

33-850-933

MODEL NO. 33-850

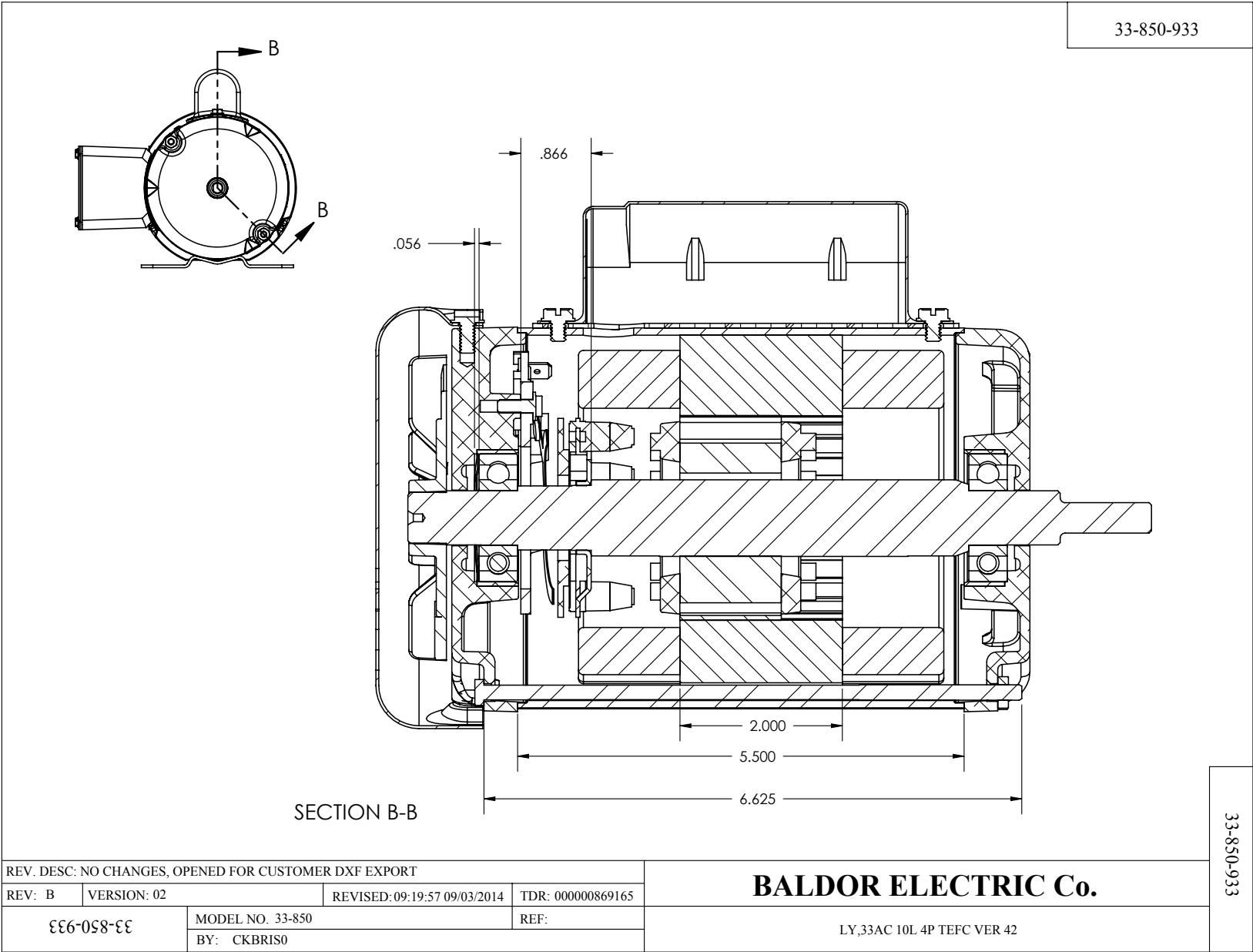
BY: CKBRIS0

REF:

**BALDOR**

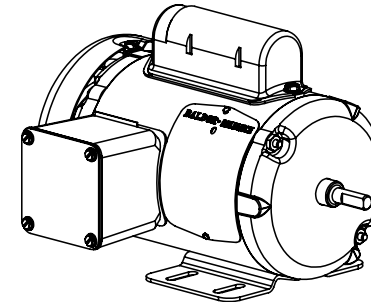
LY\_33AC 10L 4P TEFC VER 42

33-850-933



| ITEM NO. | PART NUMBER    | 33-850-933/QTY. |
|----------|----------------|-----------------|
| 1        | 33EP3100A02    | 1               |
| 2        | 33SH7158A01    | 1               |
| 3        | BG6203         | 2               |
| 4        | 33RA4110A00A01 | 1               |
| 5        | RS9005         | 1               |
| 6        | 33SA9210A32    | 1               |
| 7        | 33EP3100A01    | 1               |
| 8        | HW5100A03      | 1               |
| 9        | SP5073         | 1               |
| 10       | 51XB1016A07    | 2               |
| 11       | 51XB1016A04    | 2               |
| 12       | NS2512A01      | 1               |
| 13       | HA3100A        | 2               |
| 14       | 34CB3002A64    | 1               |
| 15       | 11XW1032G06    | 1               |
| 16       | 34GS1031A01    | 1               |
| 17       | 34CB4517       | 1               |
| 18       | 34GS3000       | 1               |
| 19       | 34CB4800       | 1               |
| 20       | NS2500A01      | 1               |
| 21       | 33FN3000       | 1               |
| 22       | 12XN0832A16    | 1               |
| 23       | XY1032A02      | 3               |
| 24       | HW1003A08      | 1               |
| 25       | 33FH4001A01    | 1               |
| 26       | LB1119         | 1               |
| 27       | 51XT0832A07    | 6               |
| 28       | 99XM0440S01    | 2               |
| 29       | NP1256         | 1               |
| 30       | 33 Frame A01   | 1               |
| 31       | 51XB1016A06    | 3               |

33-850-933



33-850-933

REV. DESC: NO CHANGES, OPENED FOR CUSTOMER DXF EXPORT

REV: B    VERSION: 02    REVISED: 09:19:57 09/03/2014    TDR: 000000869165

££6-058-££

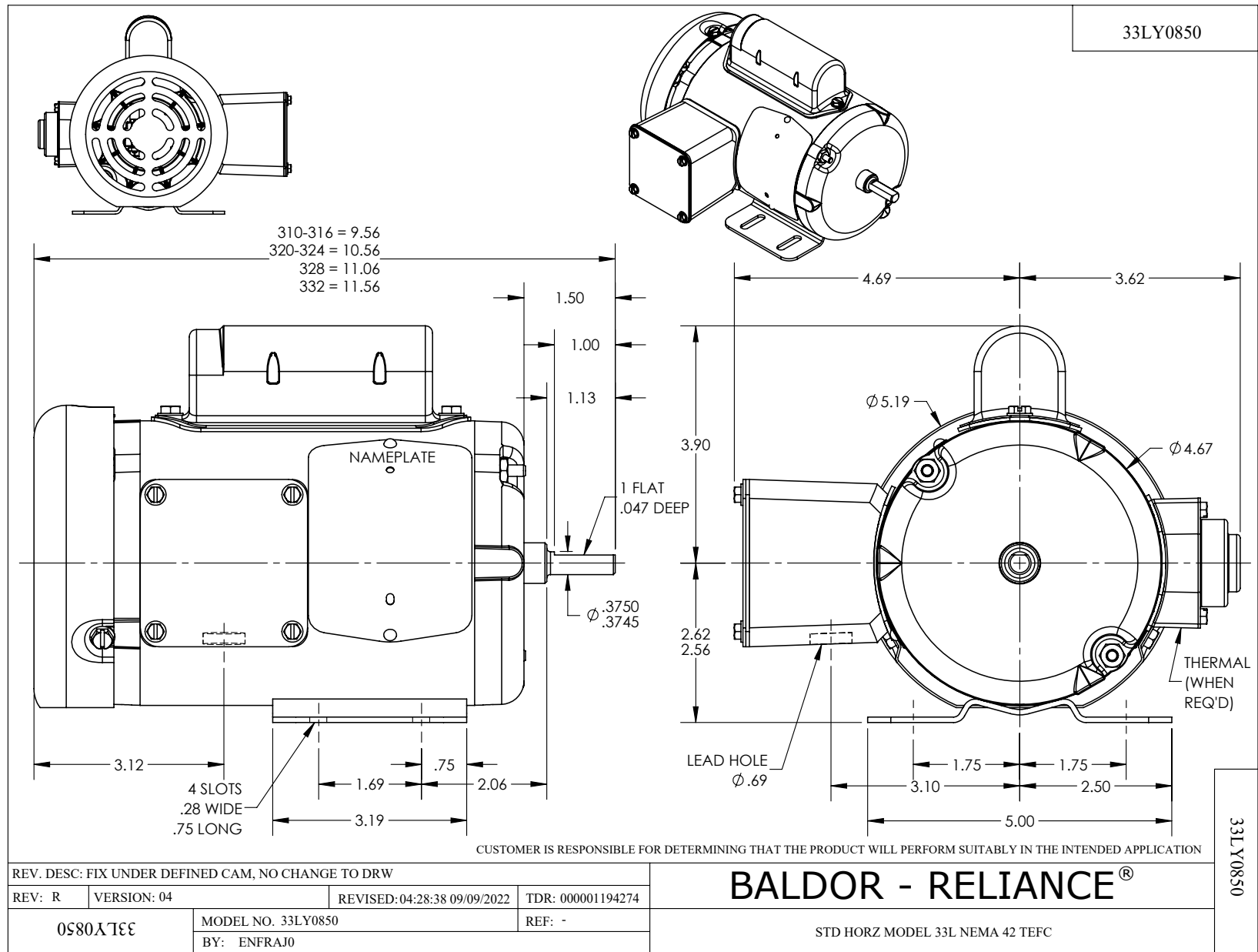
MODEL NO. 33-850

BY: CKBRIS0

REF:

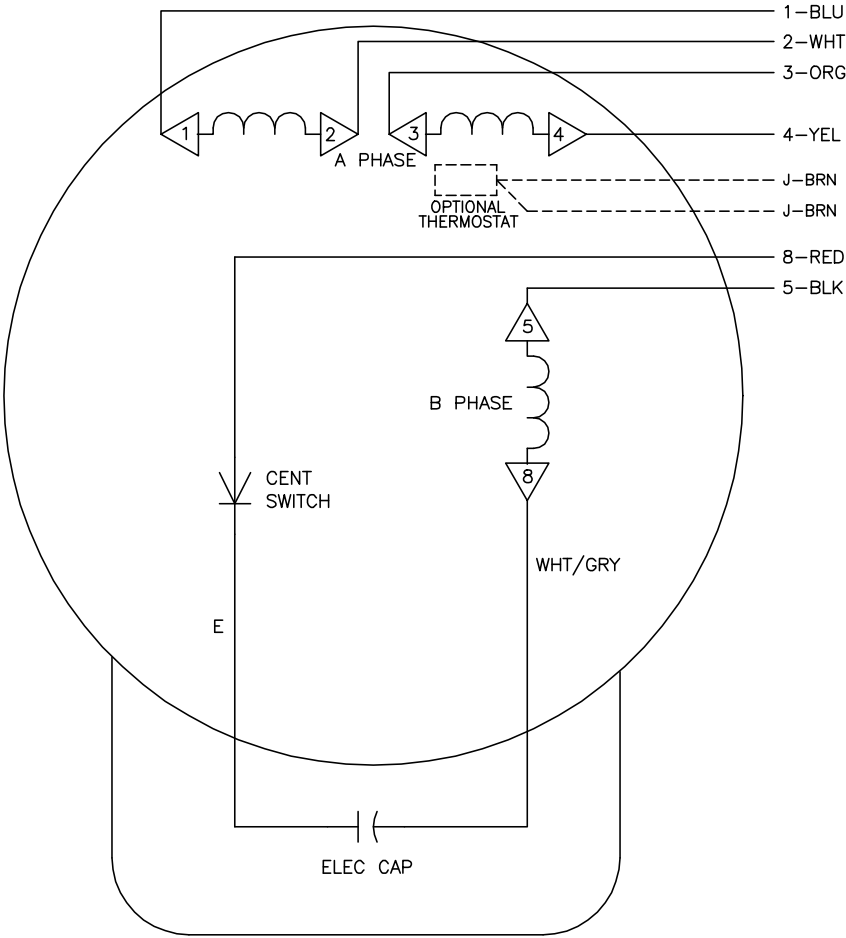
**BALDOR ELECTRIC Co.**

LY\_33AC 10L 4P TEFC VER 42





CD0001A10



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

- NOTES:
1. STANDARD ROTATION IS CCW FACING LEAD END
  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.
  5. = MAGNET WIRE COIL END WITH I.D. NUMBER

|                |                      |                              |
|----------------|----------------------|------------------------------|
| REV. DESC: NEW | VERSION: 00          | TDR: 000000435106            |
| REV. LTR: —    | FILE: \CKA\00032\277 | REVISED: 10:15:16 06/19/2007 |
| 01A10000C      | MTL: —               | BY: CKNATLO                  |

**Baldor • Dodge • Reliance**

TYPE L, DV, REV, 6 LD, CK

CD0001A10