

# ABB BALDOR RELIANCE III

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## Customer information packet

### ECS100T2H3EF4

3HP, 1800RPM, 3PH, 60HZ, 182T, 3624B, TEFC, F1

Class - None

Division - Not Applicable

**Specifications**

|                                |                            |
|--------------------------------|----------------------------|
| Enclosure                      | TEFC                       |
| Frame                          | 182T                       |
| 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             | 3.000 HP @ 60 HZ           |
| Phase                          | 3                          |
| Synchronous Speed @ Frequency  | 1800 RPM @ 60 HZ           |
| Voltage @ Frequency            | 230.0 V @ 60 HZ            |
| Agency Approvals               | BLUETOOTH<br>WEEE<br>CULUS |
| 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                       |
| Constant Torque Speed Range    | 6                          |
| Current @ Voltage              | 7.300 A @ 230.0 V          |
| Drip Cover                     | No Drip Cover              |
| Duty Rating                    | CONT                       |
| Efficiency @ 100% Load         | 92.8 %                     |
| Electrically Isolated Bearing  | Not Electrically Isolated  |
| Feedback Device                | NO FEEDBACK                |
| Heater Indicator               | No Heater                  |
| High Voltage Full Load Amps    | 7.3 a                      |
| Insulation Class               | F                          |
| Inverter Code                  | Inverter Duty              |
| Lifting Lugs                   | Standard Lifting Lugs      |

**Part Detail**

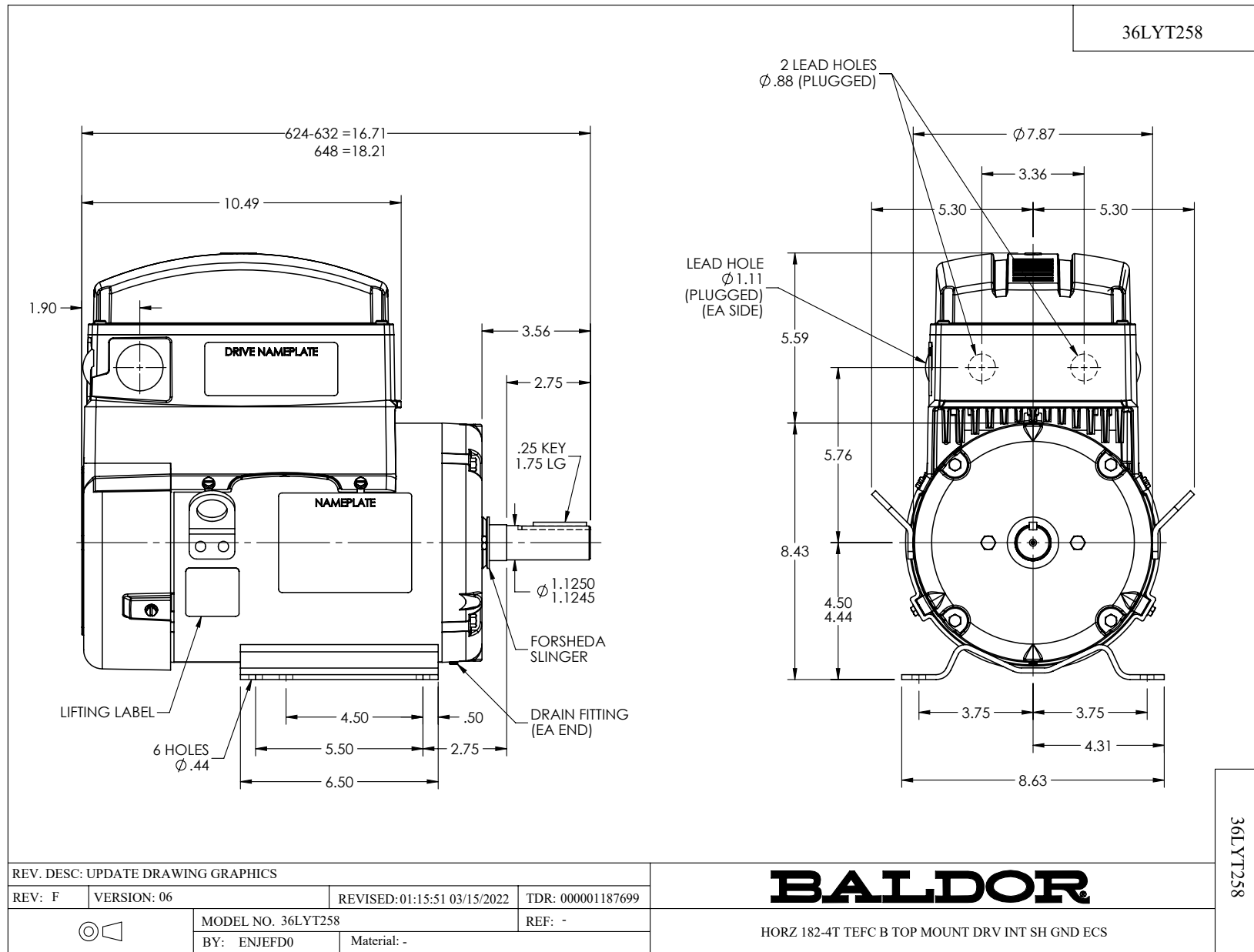
|              |                     |
|--------------|---------------------|
| Revision     | -                   |
| Type         | AC                  |
| Mech. spec.  |                     |
| Base         |                     |
| Status       | PRD/A               |
| Elec. spec.  | 36WGA0023           |
| Layout       | 36LYT258            |
| Eff. date    | 05-05-2025          |
| CD Diagram   | CD0006B03           |
| Poles        | 04                  |
| Leads        | 3#14 19" LONG LEADS |
| Proprietary  | False               |
| Created date | 04-30-2025          |

|                                   |                     |
|-----------------------------------|---------------------|
| <b>Locked Bearing Indicator</b>   | No Locked Bearing   |
| <b>Motor Lead Termination</b>     | Flying Leads        |
| <b>Motor Standards</b>            | NEMA                |
| <b>Motor Type</b>                 | 3624B               |
| <b>Mounting Arrangement</b>       | F1                  |
| <b>Number of Poles</b>            | 4                   |
| <b>Overall Length</b>             | 16.71 IN            |
| <b>Power Factor</b>               | 97                  |
| <b>Product Family</b>             | General Purpose     |
| <b>Pulley Face Code</b>           | Standard            |
| <b>Rodent Screen</b>              | None                |
| <b>Service Factor</b>             | 1.00                |
| <b>Shaft Diameter</b>             | 1.125 IN            |
| <b>Shaft Ground Indicator</b>     | Shaft Grounding     |
| <b>Shaft Rotation</b>             | Reversible          |
| <b>Speed</b>                      | 1800 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                |

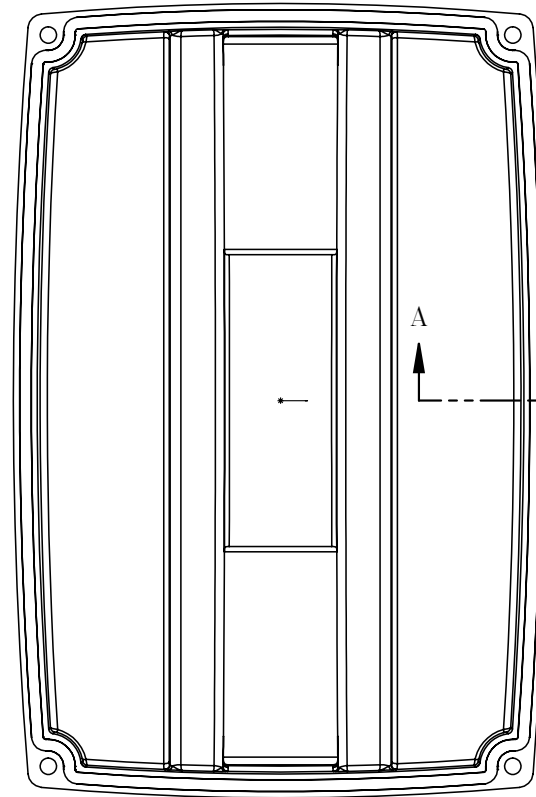
**Nameplate**

| NP3978A01 |           |              |   |    |    |     |
|-----------|-----------|--------------|---|----|----|-----|
| PART NO.  | ECI2A10P5 |              |   |    |    |     |
| U1        | 240       | PH           | 3 | HZ | 60 |     |
| I1        | 9.3       | W/EXT. CHOKE |   |    |    | 7.8 |
| SERIAL #  |           |              |   |    |    |     |

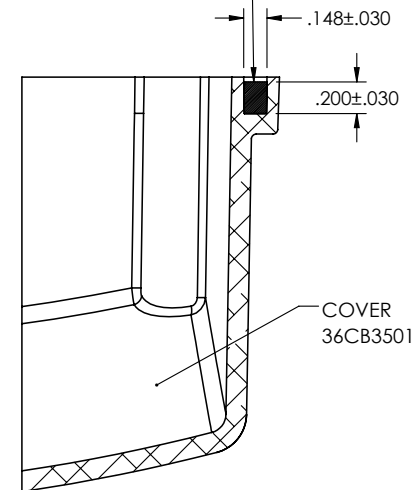
| NP3968A01A01 |               |    |     |           |     |       |      |    |      |     |  |
|--------------|---------------|----|-----|-----------|-----|-------|------|----|------|-----|--|
| CAT.NO.      | ECS100T2H3EF4 |    |     |           |     |       |      |    |      |     |  |
| SPEC.        | 36-0006113    |    |     |           |     |       |      |    |      |     |  |
| FRAME        | 182T          |    |     | ENCL.     |     | TEFC  |      | IP | 54   |     |  |
| HP           | 3             | 40 |     | C AMB     |     |       | CONT |    |      |     |  |
| NOM. EFF.    | 92.8          |    | PF  | 97        |     | SF    |      | 1  |      |     |  |
| VOLTS        | 230           |    |     | FLA       |     | 7.3   |      |    |      |     |  |
| RPM          | 1800          |    |     | RPM-MAX   |     |       | 4000 |    |      |     |  |
| HZ           | 60            |    | PH. |           | 3   | CLASS |      | F  |      |     |  |
| BEMF (V)     | 106           |    |     | RS (OHMS) |     |       |      |    | 0.97 |     |  |
| LD (MH)      | 14.4          |    |     | LQ (MH)   |     |       |      |    | 54.4 |     |  |
| VPWM         | CHP           | 60 | TO  |           | 133 |       |      |    |      |     |  |
| CT           | 6             | TO |     | 60        |     | VT    | 1    | TO |      | 133 |  |
| MATCHED INV  | ECI2A10P5     |    |     |           |     |       |      |    |      |     |  |
| DE           | 6206          |    |     | ODE       |     | 6205  |      |    |      |     |  |
| SERIAL #     |               |    |     |           |     |       |      |    |      |     |  |



36CB3501A00



MATERIAL: RAMPF, RAKU-PUR 32-3280-51L



SECTION A-A

REV. DESC: UPDATE MATERIAL

|        |             |                              |                   |
|--------|-------------|------------------------------|-------------------|
| REV: A | VERSION: 01 | REVISED: 10:46:37 03/29/2019 | TDR: 000001101646 |
|--------|-------------|------------------------------|-------------------|



MODEL NO. 36CB3501A00

REF: -

BY: ENMARS0

Material: -

**BALDOR - RELIANCE®**

36 & 37 FRAME TOP ECM COVER WITH FOAM SEAL

36CB3501A00

