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# Customer information packet

## ECS100T4H7EF4

7.5HP, 1800RPM, 3PH, 60HZ, 184T, TEFC, TOP

Class - None

Division - Not Applicable

## Specifications

|                                |                           |
|--------------------------------|---------------------------|
| Enclosure                      | TEFC                      |
| Frame                          | 184T                      |
| Frame Material                 | Steel                     |
| Frequency                      | 60.00 Hz                  |
| Haz Area Class and Group       | None                      |
| Haz Area Division              | Not Applicable            |
| Motor Letter Type              | Three Phase               |
| Phase                          | 3                         |
| Agency Approvals               | UL<br>WEEE                |
| 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                         |
| Design Code                    | B                         |
| Drip Cover                     | No Drip Cover             |
| Electrically Isolated Bearing  | Not Electrically Isolated |
| Feedback Device                | NO FEEDBACK               |
| Heater Indicator               | No Heater                 |
| Inverter Code                  | Inverter Duty             |
| IP Rating                      | NONE                      |
| Lifting Lugs                   | Standard Lifting Lugs     |
| Locked Bearing Indicator       | Locked Bearing            |
| Motor Lead Quantity/Wire Size  | 3 @ 14 AWG                |
| Motor Lead Termination         | Flying Leads              |
| Motor Standards                | NEMA                      |
| Motor Type                     | 3648B                     |
| Mounting Arrangement           | F1                        |
| Number of Poles                | 4                         |
| Overall Length                 | 18.21 IN                  |

## Part detail

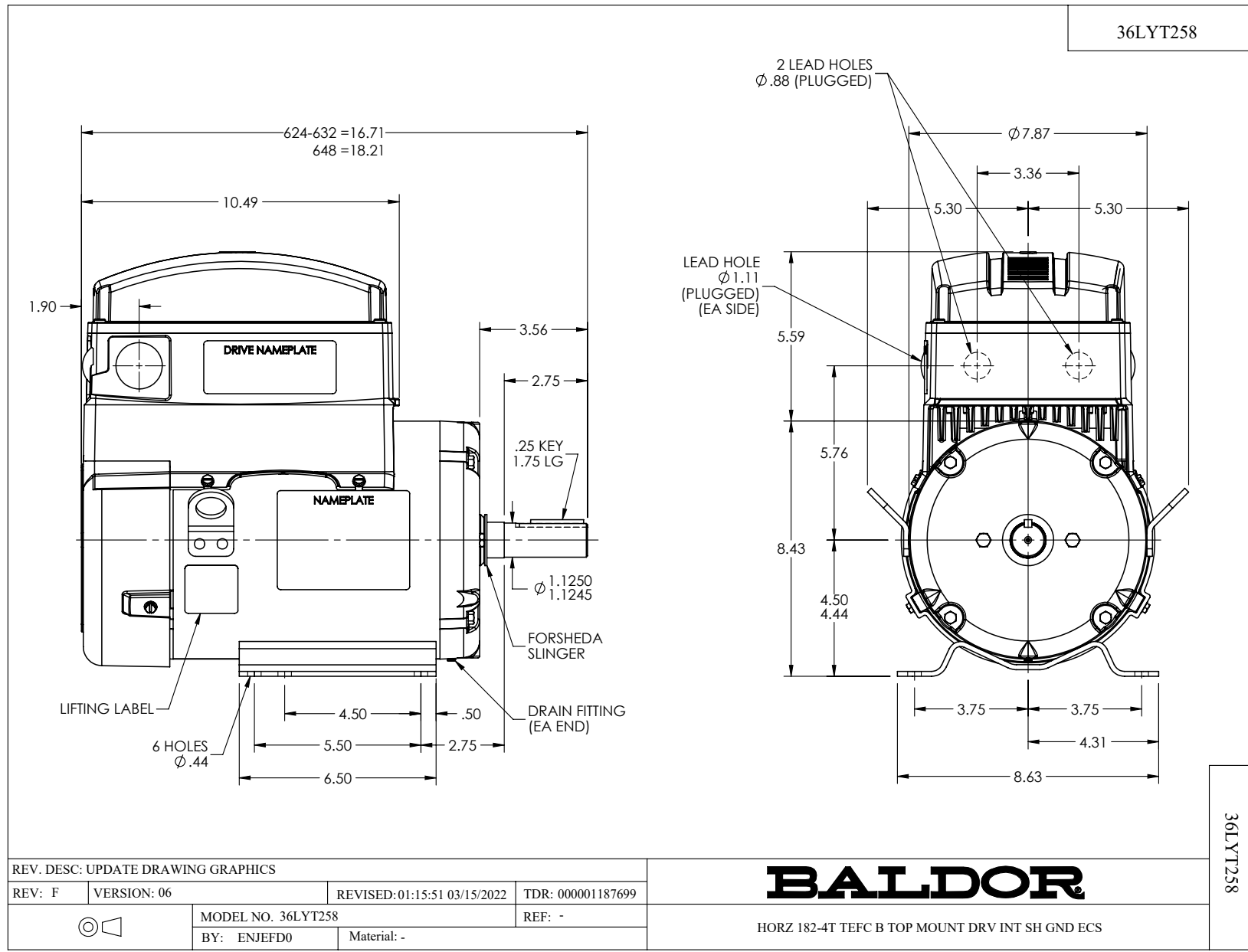
|              |            |
|--------------|------------|
| Revision     | R          |
| Type         | AC         |
| Mech. spec.  | 36T258     |
| Base         |            |
| Status       | PRD/A      |
| Elec. spec.  | 36WGL111   |
| Layout       | 36LYT258   |
| Eff. date    | 06-03-2025 |
| CD Diagram   | CD0006     |
| Poles        | 04         |
| Leads        | 3#14       |
| Proprietary  | False      |
| Created date | 12-27-2019 |

|                                   |                     |
|-----------------------------------|---------------------|
| <b>Product Family</b>             | General Purpose     |
| <b>Pulley Face Code</b>           | Standard            |
| <b>Rodent Screen</b>              | None                |
| <b>RoHS Status</b>                | ROHS COMPLIANT      |
| <b>Shaft Diameter</b>             | 1.125 IN            |
| <b>Shaft Ground Indicator</b>     | Shaft Grounding     |
| <b>Shaft Rotation</b>             | Reversible          |
| <b>Speed Code</b>                 | Single Speed        |
| <b>Starting Method</b>            | INVERTER SPECIAL    |
| <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                |

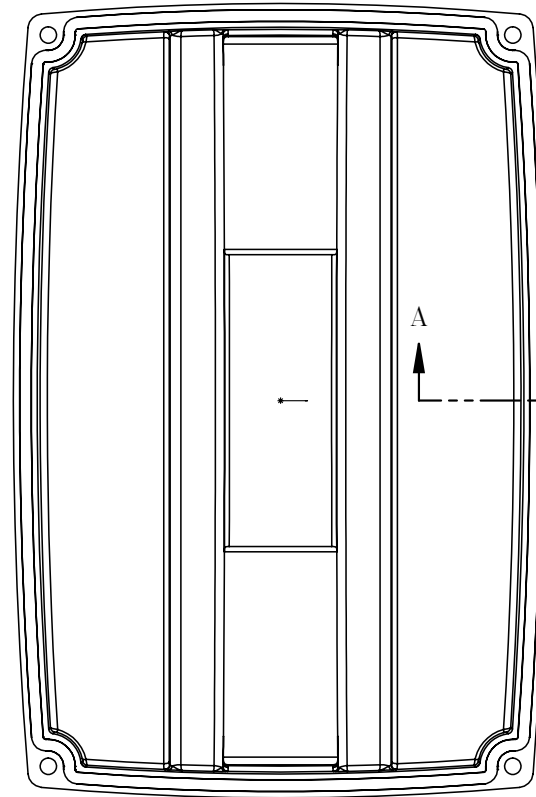
## Nameplate

| NP3968A01A01 |               |    |         |           |         |       |      |     |       |    |
|--------------|---------------|----|---------|-----------|---------|-------|------|-----|-------|----|
| CAT.NO.      | ECS100T4H7EF4 |    |         |           |         |       |      |     |       |    |
| SPEC.        | 36T258L111G1  |    |         |           |         |       |      |     |       |    |
| FRAME        | 184T          |    |         | ENCL.     |         | TEFC  |      | IP  |       | 54 |
| HP           | 7.5           |    | 40      | C AMB     |         |       | CONT |     |       |    |
| NOM. EFF.    | 94.0%         |    | PF      | 94.3%     |         | SF    |      | 1.0 |       |    |
| VOLTS        | 460           |    |         | FLA       |         | 9.2   |      |     |       |    |
| RPM          | 1800          |    | RPM-MAX |           |         | 4000  |      |     |       |    |
| HZ           | 60            |    | PH.     |           | 3       | CLASS |      | F   |       |    |
| BEMF (V)     | 212           |    |         | RS (OHMS) |         |       |      |     | 1.26  |    |
| LD (MH)      | 25.0          |    |         |           | LQ (MH) |       |      |     | 91.6  |    |
| VPWM         | CHP           |    | 60      | TO        |         | 133   |      |     |       |    |
| CT           | 6             | TO |         | 60        |         | VT    |      | 1   | TO 60 |    |
| MATCHED INV  | ECI4A9P5      |    |         |           |         |       |      |     |       |    |
| DE           | 6206          |    |         | ODE       |         | 6205  |      |     |       |    |
| SERIAL #     |               |    |         |           |         |       |      |     |       |    |

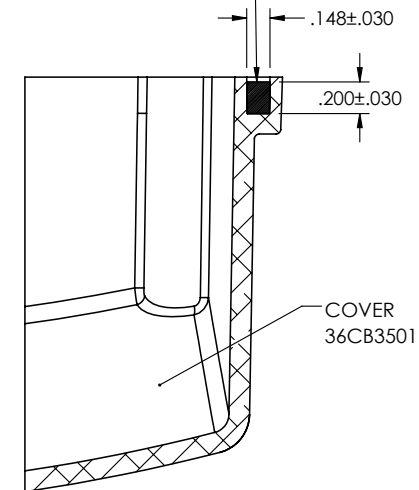
| NP3978A01 |          |              |   |    |     |
|-----------|----------|--------------|---|----|-----|
| PART NO.  | ECI4A9P5 |              |   |    |     |
| U1        | 480      | PH           | 3 | HZ | 60  |
| I1        | 10.0     | W/EXT. CHOKE |   |    | 8.4 |
| SERIAL #  |          |              |   |    |     |



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: -

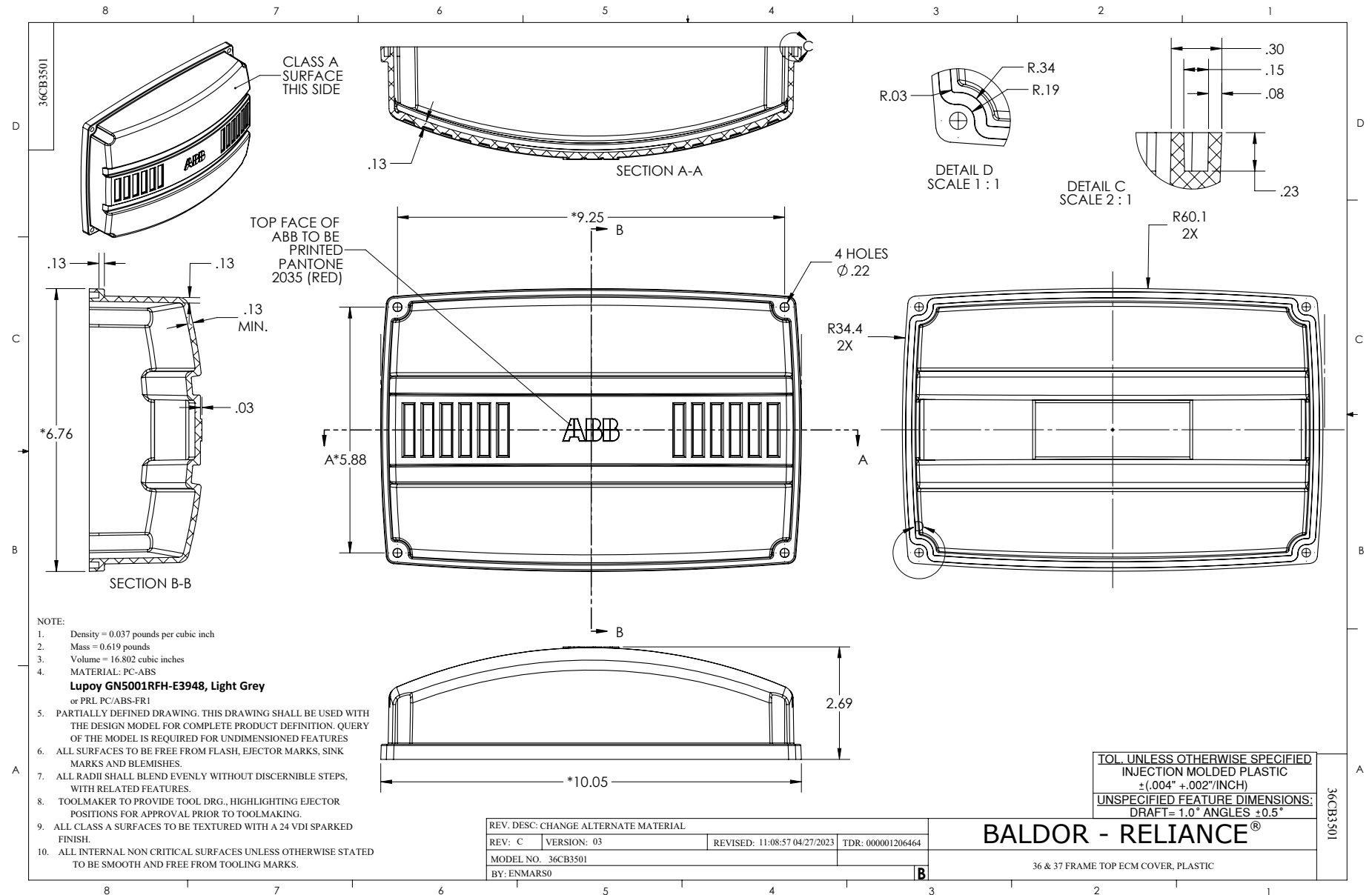
BY: ENMARS0

Material: -

BALDOR - RELIANCE®

36 &amp; 37 FRAME TOP ECM COVER WITH FOAM SEAL

36CB3501A00



CD0006



- NOTES:
- 1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
  - 2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
  - 3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
  - 4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
  - 5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

CD0006

|                                   |                                |                   |
|-----------------------------------|--------------------------------|-------------------|
| REV. DESC: ADD CLASS CONN00000007 |                                |                   |
| REV. LTR: E                       | VERSION: 01                    | TDR: 000001099922 |
| FILE: \AAA\00005\141              | REVISED: 10: 24: 49 02/19/2019 | BY: ENBRIRO       |
| MTL: —                            |                                |                   |

BALDOR - RELIANCE®

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

SH 1 of 1