

# ABB BALDOR RELIANCE III

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## Customer information packet

### ECS101A2H3EF4

3HP, 1800RPM, 3PH, 60HZ, 182T, TEFC, AXIAL

Class - None

Division - Not Applicable

**Specifications**

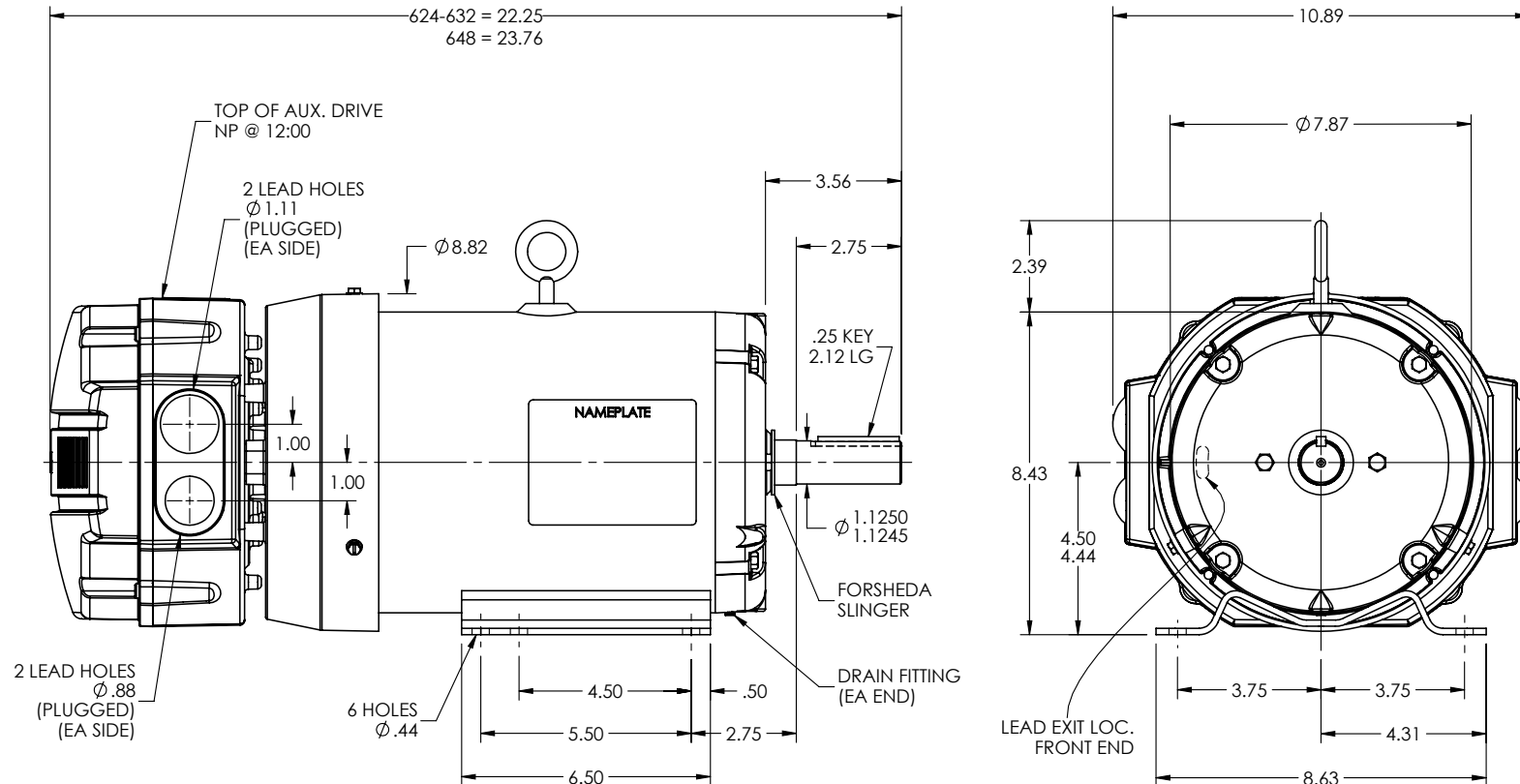
|                                |                           |
|--------------------------------|---------------------------|
| Enclosure                      | TEFC                      |
| Frame                          | 182T                      |
| Frame Material                 | Steel                     |
| 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               | UL<br>WEEE                |
| 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             |
| IP Rating                      | NONE                      |
| Lifting Lugs                   | Standard Lifting Lugs     |

**Part Detail**

|              |                     |
|--------------|---------------------|
| Revision     | J                   |
| Type         | AC                  |
| Mech. spec.  |                     |
| Base         |                     |
| Status       | PRD/A               |
| Elec. spec.  | 36WGA0023           |
| Layout       | 36LYT259            |
| Eff. date    | 10-23-2025          |
| CD Diagram   | CD0006B03           |
| Poles        | 04                  |
| Leads        | 3#14 15" LONG LEADS |
| Proprietary  | False               |
| Created date | 07-13-2020          |

|                                   |                     |
|-----------------------------------|---------------------|
| <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>             | 22.25 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                |

36LYT259



REV. DESC: UPDATE DRAWING GRAPHICS

REV: E VERSION: 05 REVISED: 09:37:18 03/16/2022 TDR: 000001187699



MODEL NO. 36LYT259

BY: ENJEFD0

Material: -

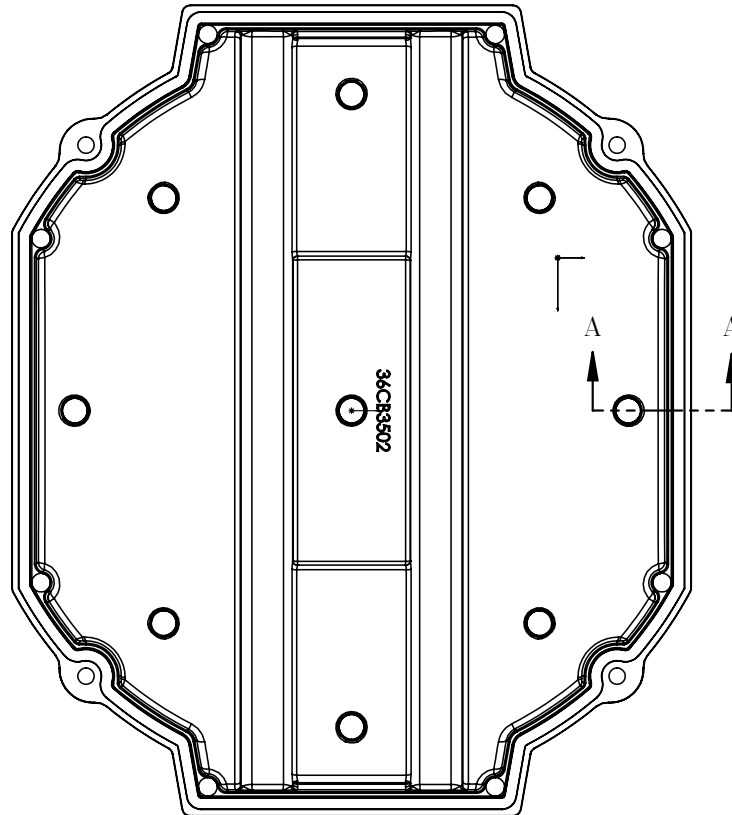
REF: -

**BALDOR**

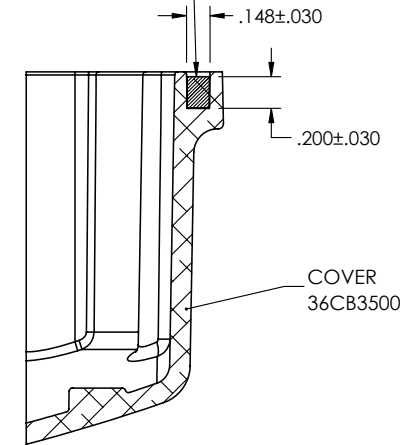
HOR 182-4T TEFC B ODE MOUNT DRV INT SH GND ECS

36LYT259

36CB3502A00



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



SECTION A-A

36CB3502A00

REV. DESC: NEW

REV: -

VERSION: 00

REVISED: 09:16:43 01/15/2020

TDR: 000001129989



MODEL NO. 36CB3502A00

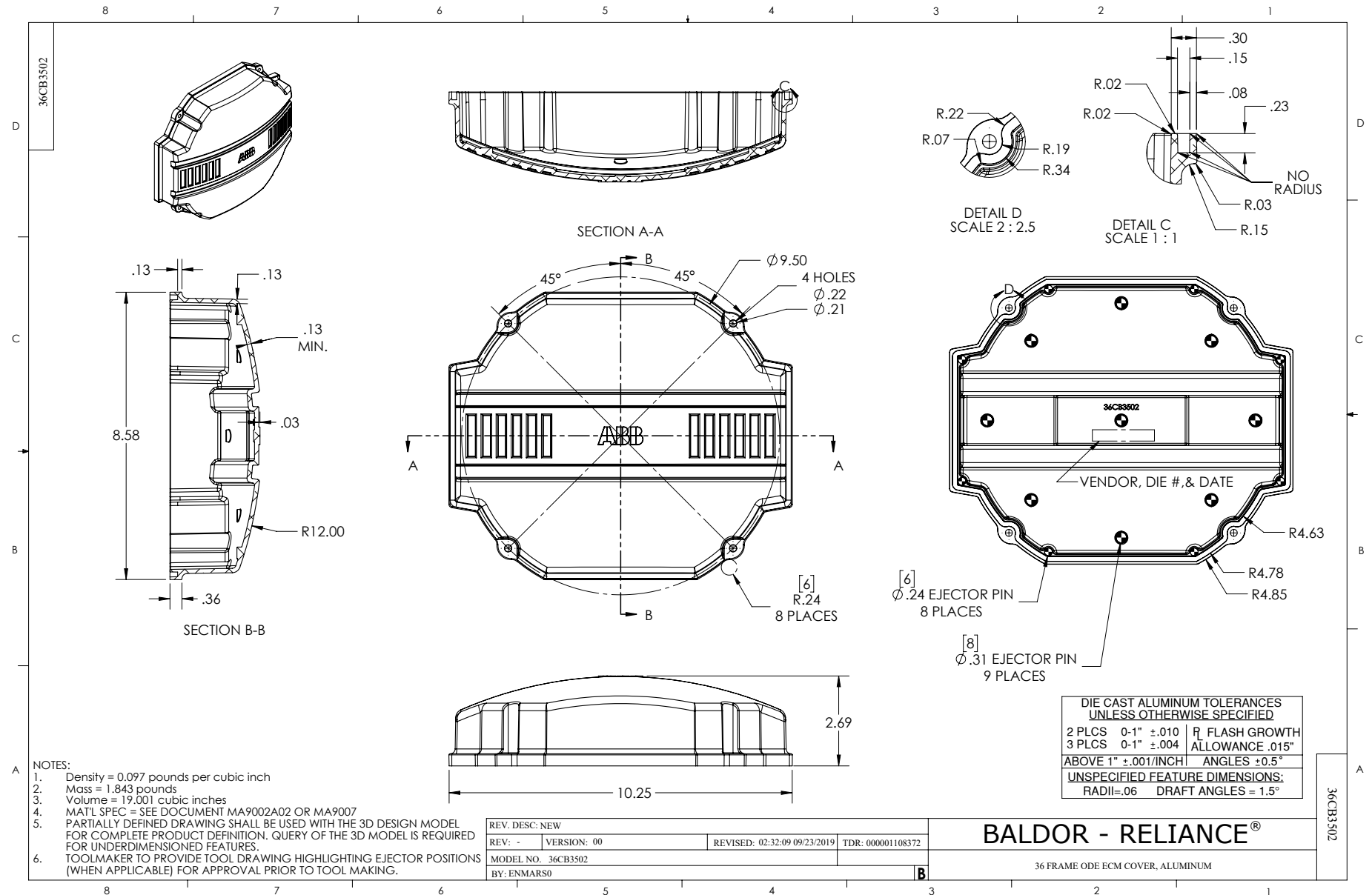
REF: -

BY: ENMARS0

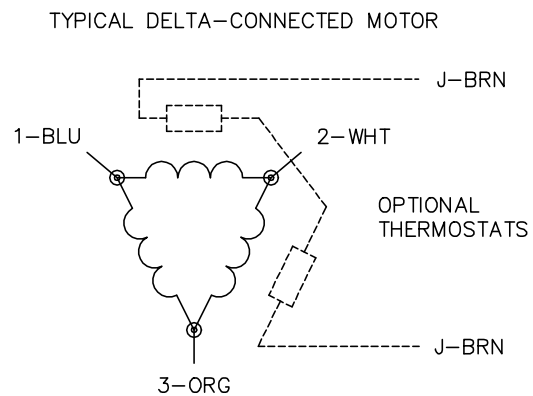
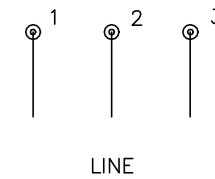
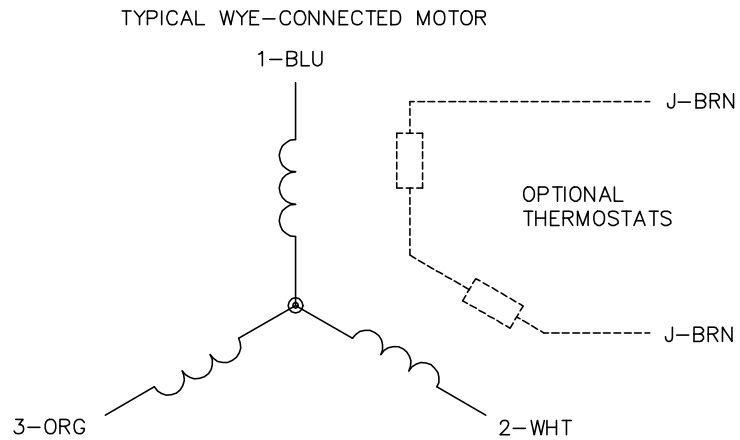
Material: -

**BALDOR - RELIANCE®**

36 FRAME ODE ECM ALUMINUM COVER WITH FOAM SEAL



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

