

# ABB BALDOR RELIANCE III

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## Customer information packet

ECC101M0H10FF4

10HP, 1800RPM, 3PH, 60HZ, 215T, 3740B, TEFC, F1

Class - None

Division - Not Applicable

**Specifications**

|                                       |                                          |
|---------------------------------------|------------------------------------------|
| <b>Enclosure</b>                      | TEFC                                     |
| <b>Frame</b>                          | 215T                                     |
| <b>Frame Material</b>                 | Steel                                    |
| <b>Frequency</b>                      | 60.00 Hz                                 |
| <b>Haz Area Class and Group</b>       | None                                     |
| <b>Haz Area Division</b>              | Not Applicable                           |
| <b>Motor Letter Type</b>              | Three Phase                              |
| <b>Output @ Frequency</b>             | 10.000 HP @ 60 HZ                        |
| <b>Phase</b>                          | 3                                        |
| <b>Synchronous Speed @ Frequency</b>  | 1800 RPM @ 60 HZ                         |
| <b>Voltage @ Frequency</b>            | 230.0 V @ 60 HZ<br>460.0 V @ 60 HZ       |
| <b>Agency Approvals</b>               | WEEE<br>UL                               |
| <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>Constant Torque Speed Range</b>    | 6                                        |
| <b>Current @ Voltage</b>              | 11.000 A @ 460.0 V<br>22.000 A @ 230.0 V |
| <b>Drip Cover</b>                     | No Drip Cover                            |
| <b>Duty Rating</b>                    | CONT                                     |
| <b>Efficiency @ 100% Load</b>         | 94.8 %                                   |
| <b>Electrically Isolated Bearing</b>  | Not Electrically Isolated                |
| <b>Feedback Device</b>                | NO FEEDBACK                              |
| <b>Heater Indicator</b>               | No Heater                                |
| <b>High Voltage Full Load Amps</b>    | 11.0 a                                   |
| <b>Insulation Class</b>               | F                                        |
| <b>Inverter Code</b>                  | Inverter Duty                            |

**Part Detail**

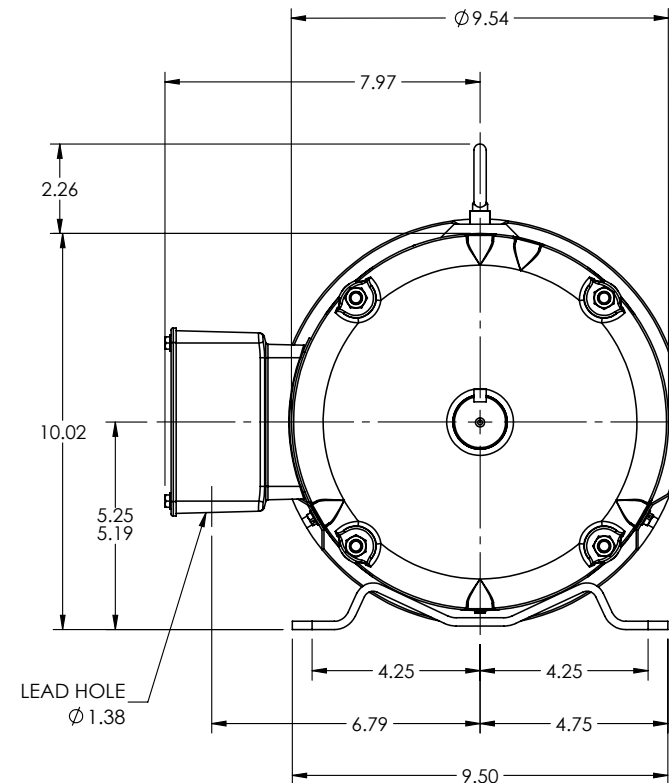
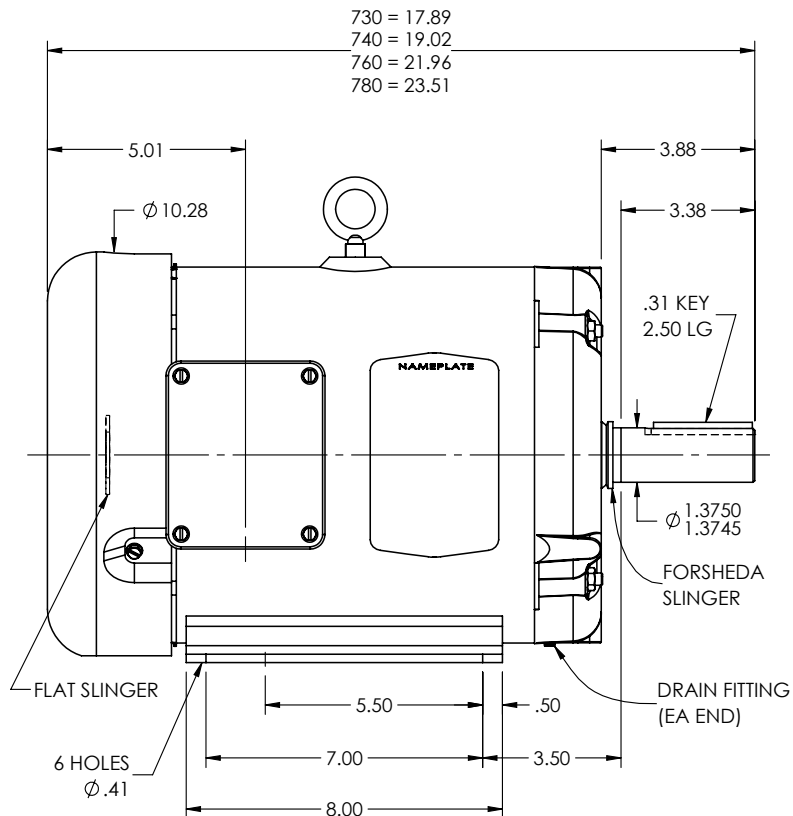
|                     |              |
|---------------------|--------------|
| <b>Revision</b>     | C            |
| <b>Type</b>         | AC           |
| <b>Mech. spec.</b>  |              |
| <b>Base</b>         |              |
| <b>Status</b>       | PRD/A        |
| <b>Elec. spec.</b>  | 37WGA0017    |
| <b>Layout</b>       | 37LY-000-406 |
| <b>Eff. date</b>    | 01-28-2025   |
| <b>CD Diagram</b>   | CD0005A25    |
| <b>Poles</b>        | 04           |
| <b>Leads</b>        | 9#12         |
| <b>Proprietary</b>  | False        |
| <b>Created date</b> | 08-07-2022   |

| Lifting Lugs               | Standard Lifting Lugs |
|----------------------------|-----------------------|
| Locked Bearing Indicator   | Locked Bearing        |
| Max Speed                  | 3000 rpm              |
| Motor Lead Termination     | Flying Leads          |
| Motor Standards            | NEMA                  |
| Motor Type                 | 3740B                 |
| Mounting Arrangement       | F1                    |
| Number of Poles            | 4                     |
| Overall Length             | 19.02 IN              |
| Power Factor               | 94                    |
| Product Family             | General Purpose       |
| Pulley Face Code           | Standard              |
| Rodent Screen              | None                  |
| Service Factor             | 1.50                  |
| Shaft Diameter             | 1.375 IN              |
| Shaft Ground Indicator     | Shaft Grounding       |
| Shaft Rotation             | Reversible            |
| Speed                      | 1800 rpm              |
| Speed Code                 | Single Speed          |
| Starting Method            | Direct on line        |
| Thermal Device - Bearing   | None                  |
| Thermal Device - Winding   | None                  |
| Vibration Sensor Indicator | No Vibration Sensor   |
| Winding Thermal 1          | None                  |
| Winding Thermal 2          | None                  |

Nameplate

| NP4246N15M03 |                            |     |      |        |       |           |              |             |           |      |    |  |  |
|--------------|----------------------------|-----|------|--------|-------|-----------|--------------|-------------|-----------|------|----|--|--|
| CAT #        | ECC101M0H10FF4             |     |      |        |       |           | WGT          | 131         | LBS       |      |    |  |  |
| SPEC         | 37-0000-0479               |     |      |        |       |           | ENCL         | TEFC        |           |      |    |  |  |
| SER #        |                            |     |      |        | FRAME | 215T      |              |             |           | IP   | 54 |  |  |
| HP           | 10                         |     |      | RATING |       |           | 40C AMB-CONT |             |           |      |    |  |  |
| NOM.EFF.     | 94.8                       | PF  | 94   | HZ     | 60    | PH        |              | 3           | CLASS     | F    |    |  |  |
| VOLTS        | 230/460                    |     |      |        |       | AMPS      | 22.44/11.22  |             |           |      |    |  |  |
| SER.F.       | 1.50                       | RPM | 1800 |        |       |           | MAX RPM      |             |           | 3000 |    |  |  |
| BEMF (V)     | 121/241                    |     |      |        |       | RS (OHMS) |              |             | 0.23/0.93 |      |    |  |  |
| LD(MH)       | 5.83/23.214                |     |      |        |       | LQ(MH)    |              | 19.01/75.93 |           |      |    |  |  |
| VPWM         | CHP                        | 60  |      |        | TO    | 100       |              |             |           |      |    |  |  |
| CT           | 6                          | TO  |      | 60     | VT    | 1         | TO           |             | 100       |      |    |  |  |
| MATCHED INV  | ACS380-04XX-[N/A] / 12A6-4 |     |      |        |       |           |              |             |           |      |    |  |  |
| DE           | 6307                       |     |      |        | ODE   | 6206      |              |             | YR:       |      |    |  |  |
|              |                            |     |      |        |       |           |              |             |           |      |    |  |  |
|              |                            |     |      |        |       |           |              |             |           |      |    |  |  |

37LY-000-406



REV. DESC: CHG'D TO HA3104A59, 37GS1002A01, 37GS1008A01

REV: A    VERSION: 01    REVISED: 09:06:06 06/05/2025    TDR: 000001256072

37LY-000-406

MODEL NO. 37LY-000-406

BY: USEROLI

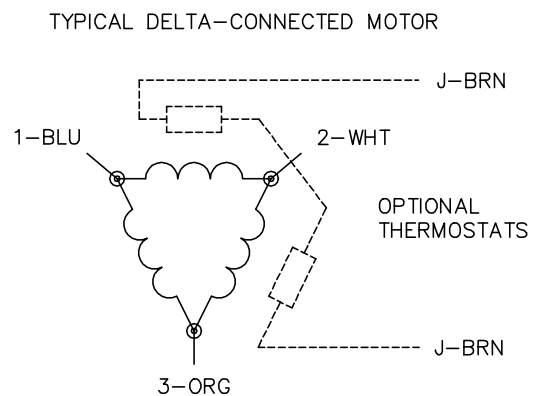
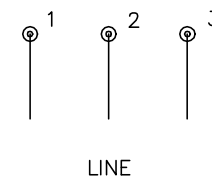
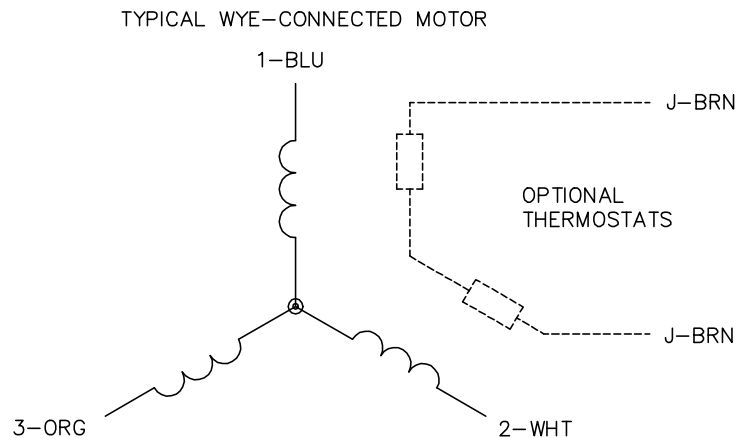
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**BALDOR - RELIANCE®**

HORZ 213-5T TEFC B ECS

37LY-000-406

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

