

# ABB BALDOR RELIANCE III

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## Customer information packet

### EM3313T

10HP, 1768RPM, 3PH, 60HZ, 215T, 3738M, OPSB, F1

Class - None

Division - Not Applicable

**Specifications**

|                                       |                                                                |
|---------------------------------------|----------------------------------------------------------------|
| <b>Enclosure</b>                      | OPSB                                                           |
| <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>               | CURUSEEV<br>NEMA PREMIUM                                       |
| <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>              | 12.700 A @ 460.0 V<br>25.400 A @ 230.0 V<br>28.000 A @ 208.0 V |
| <b>Design Code</b>                    | B                                                              |
| <b>Drip Cover</b>                     | No Drip Cover                                                  |
| <b>Duty Rating</b>                    | CONT                                                           |
| <b>Efficiency @ 100% Load</b>         | 91.7 %                                                         |
| <b>Electrically Isolated Bearing</b>  | Not Electrically Isolated                                      |
| <b>Feedback Device</b>                | NO FEEDBACK                                                    |
| <b>Front Shaft Indicator</b>          | None                                                           |
| <b>Heater Indicator</b>               | No Heater                                                      |
| <b>High Voltage Full Load Amps</b>    | 12.7 a                                                         |

**Part Detail**

|                     |            |
|---------------------|------------|
| <b>Revision</b>     | A          |
| <b>Type</b>         | AC         |
| <b>Mech. spec.</b>  | 37F614     |
| <b>Base</b>         |            |
| <b>Status</b>       | PRD/A      |
| <b>Elec. spec.</b>  | 37WGZ710   |
| <b>Layout</b>       | 37LYF614   |
| <b>Eff. date</b>    | 01-22-2026 |
| <b>CD Diagram</b>   | CD0005     |
| <b>Poles</b>        | 04         |
| <b>Leads</b>        | 9#14       |
| <b>Proprietary</b>  | False      |
| <b>Created date</b> | 11-07-2025 |

|                                      |                       |
|--------------------------------------|-----------------------|
| <b>Insulation Class</b>              | F                     |
| <b>Inverter Code</b>                 | Inverter Ready        |
| <b>KVA Code</b>                      | H                     |
| <b>Lifting Lugs</b>                  | Standard Lifting Lugs |
| <b>Locked Bearing Indicator</b>      | No Locked Bearing     |
| <b>Motor Lead Quantity/Wire Size</b> | 9 @ 14 AWG            |
| <b>Motor Lead Termination</b>        | Flying Leads          |
| <b>Motor Standards</b>               | NEMA                  |
| <b>Motor Type</b>                    | 3738M                 |
| <b>Mounting Arrangement</b>          | F1                    |
| <b>Number of Poles</b>               | 4                     |
| <b>Overall Length</b>                | 17.45 IN              |
| <b>Power Factor</b>                  | 81                    |
| <b>Product Family</b>                | General Purpose       |
| <b>Pulley End Bearing Type</b>       | Ball                  |
| <b>Pulley Face Code</b>              | Standard              |
| <b>Pulley Shaft Indicator</b>        | Standard              |
| <b>Rodent Screen</b>                 | None                  |
| <b>RoHS Status</b>                   | ROHS COMPLIANT        |
| <b>Service Factor</b>                | 1.15                  |
| <b>Shaft Diameter</b>                | 1.375 IN              |
| <b>Shaft Ground Indicator</b>        | No Shaft Grounding    |
| <b>Shaft Rotation</b>                | Reversible            |
| <b>Shaft Slinger Indicator</b>       | No Slinger            |
| <b>Speed</b>                         | 1768 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**

| NP3553LUA                 |                                |      |    |      |   |       |   |  |       |
|---------------------------|--------------------------------|------|----|------|---|-------|---|--|-------|
| CAT.NO.                   | EM3313T                        |      |    |      |   |       |   |  |       |
| SPEC.                     | 37F614Z710                     |      |    |      |   |       |   |  |       |
| HP                        | 10                             |      |    |      |   |       |   |  |       |
| VOLTS                     | 230/460                        |      |    |      |   |       |   |  |       |
| AMPS                      | 25.4/12.7                      |      |    |      |   |       |   |  |       |
| RPM                       | 1768                           |      |    |      |   |       |   |  |       |
| FRAME                     | 215T                           |      | HZ | 60   |   | PH    | 3 |  |       |
| SF                        | 1.15                           | CODE | H  | DES  | B | CLASS | F |  |       |
| NEMA NOM. EFF             | 91.7                           | PF   | 81 |      |   |       |   |  |       |
| RATING                    | 40C AMB-CONT                   |      |    |      |   |       |   |  |       |
| CC                        | 010A                           |      |    |      |   |       |   |  |       |
| ENCL                      | OPSB                           | SN   |    |      |   |       |   |  |       |
| DE                        | 6307                           | ODE  |    | 6206 |   |       |   |  |       |
| VPWM INVERTER READY       | SFA 28.8/14.4                  |      |    |      |   |       |   |  |       |
| CT30-60(2:1) VT3-60(20:1) |                                |      |    |      |   |       |   |  |       |
| USABLE AT                 | 50HZ 7.5HP 190/380V 23.4/11.7A |      |    |      |   |       |   |  |       |
|                           |                                |      |    |      |   |       |   |  | SF1.0 |

**Accessories**

| Part number | Description | Multiplier |
|-------------|-------------|------------|
| 37-1404     | C FACE KIT  | A8         |

ABB Motors and Mechanical Inc.

WINDING # 37WGZ710

Typical performance - not guaranteed values.

10 HP 3 PH 60 HZ 1768 RPM 460 V 3738M

TORQUES (LB-FT): PO=108 PU=40.7 LR=52.3 LRA=87.6





