

# ABB BALDOR RELIANCE III

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## Customer information packet

### SPJMM3311T

7.5HP, 1775RPM, 3PH, 60HZ, 213JM, 3750M, OPSB

Class - None

Division - Not Applicable

**Specifications**

|                                       |                                          |
|---------------------------------------|------------------------------------------|
| <b>Enclosure</b>                      | OPSB                                     |
| <b>Frame</b>                          | 213JM                                    |
| <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>             | 7.500 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                                     |
| <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>              | 10.000 A @ 460.0 V<br>20.000 A @ 230.0 V |
| <b>Design Code</b>                    | A                                        |
| <b>Drip Cover</b>                     | No Drip Cover                            |
| <b>Duty Rating</b>                    | CONT                                     |
| <b>Efficiency @ 100% Load</b>         | 92.4 %                                   |
| <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>    | 10.0 a                                   |
| <b>Insulation Class</b>               | F                                        |
| <b>Inverter Code</b>                  | Inverter Duty                            |

**Part Detail**

|                     |            |
|---------------------|------------|
| <b>Revision</b>     | A          |
| <b>Type</b>         | AC         |
| <b>Mech. spec.</b>  | 37EE002    |
| <b>Base</b>         |            |
| <b>Status</b>       | PRD/A      |
| <b>Elec. spec.</b>  | 37WGZ670   |
| <b>Layout</b>       | 37LYEE002  |
| <b>Eff. date</b>    | 11-19-2025 |
| <b>CD Diagram</b>   | CD0005     |
| <b>Poles</b>        | 04         |
| <b>Leads</b>        | 9#14       |
| <b>Proprietary</b>  | False      |
| <b>Created date</b> | 08-13-2025 |

|                                      |                              |
|--------------------------------------|------------------------------|
| <b>KVA Code</b>                      | <b>L</b>                     |
| <b>Lifting Lugs</b>                  | <b>Standard Lifting Lugs</b> |
| <b>Locked Bearing Indicator</b>      | <b>Locked Bearing</b>        |
| <b>Max Speed</b>                     | <b>2700 rpm</b>              |
| <b>Motor Lead Quantity/Wire Size</b> | <b>9 @ 14 AWG</b>            |
| <b>Motor Lead Termination</b>        | <b>Flying Leads</b>          |
| <b>Motor Standards</b>               | <b>NEMA</b>                  |
| <b>Motor Type</b>                    | <b>3750M</b>                 |
| <b>Mounting Arrangement</b>          | <b>F1</b>                    |
| <b>Number of Poles</b>               | <b>4</b>                     |
| <b>Overall Length</b>                | <b>20.07 IN</b>              |
| <b>Power Factor</b>                  | <b>78</b>                    |
| <b>Product Family</b>                | <b>General Purpose</b>       |
| <b>Pulley End Bearing Type</b>       | <b>Ball</b>                  |
| <b>Pulley Face Code</b>              | <b>C-Face</b>                |
| <b>Pulley Shaft Indicator</b>        | <b>Tapped &amp; Key</b>      |
| <b>Rodent Screen</b>                 | <b>Included</b>              |
| <b>RoHS Status</b>                   | <b>ROHS NON-COMPLIANT</b>    |
| <b>Service Factor</b>                | <b>1.25</b>                  |
| <b>Shaft Diameter</b>                | <b>0.875 IN</b>              |
| <b>Shaft Ground Indicator</b>        | <b>No Shaft Grounding</b>    |
| <b>Shaft Rotation</b>                | <b>Reversible</b>            |
| <b>Shaft Slinger Indicator</b>       | <b>No Slinger</b>            |
| <b>Speed</b>                         | <b>1775 rpm</b>              |
| <b>Speed Code</b>                    | <b>Single Speed</b>          |
| <b>Starting Method</b>               | <b>Direct on line</b>        |
| <b>Thermal Device - Bearing</b>      | <b>None</b>                  |
| <b>Thermal Device - Winding</b>      | <b>None</b>                  |
| <b>Vibration Sensor Indicator</b>    | <b>No Vibration Sensor</b>   |
| <b>Winding Thermal 1</b>             | <b>None</b>                  |
| <b>Winding Thermal 2</b>             | <b>None</b>                  |

**Nameplate**

| NP4423A01A01L |               |         |         |   |      |               |       |     |      |   |      |       |
|---------------|---------------|---------|---------|---|------|---------------|-------|-----|------|---|------|-------|
| CAT #         | SPJMM3311T    |         |         |   |      | WGT           | 158   | LBS |      |   |      |       |
| SPEC          | 37EE002Z670   |         |         |   |      | ENCL          | OPSB  |     |      |   |      |       |
| SER #         |               |         |         |   |      | CC            | 010A  | IP  | 23   |   |      |       |
| HP            | 7.5           | MAG CUR |         |   |      | 9.8/4.9       |       |     |      |   |      |       |
| VOLTS         | 230/460       |         |         |   |      | NEMA NOM. EFF |       |     |      |   | 92.4 |       |
| AMPS          | 20/10         |         |         |   |      |               | PF    | 78  |      |   |      |       |
| RATING        | 40C AMB-CONT  |         |         |   |      |               |       |     |      |   |      |       |
| RPM           | 1775          |         |         |   |      | MAX RPM       |       |     | 2700 |   |      |       |
| FRAME         | 213JM         | HZ      | 60      |   | CODE | L             | CLASS |     |      | F |      |       |
| SER.F.        | 1.25          | SF AMP  | 25/12.5 |   |      |               | PH    | 3   | DES  | A |      |       |
| DE            | 6309          |         | ODE     |   | 6206 |               |       |     |      |   |      |       |
| LUBRICATION   | POLYREX EM    |         |         |   |      |               |       |     |      |   |      |       |
| ID LOGO       | INVERTER TYPE |         |         |   | VPWM |               | CHP   | 60  | TO   |   | 90   | 1.5:1 |
| ID LOGO       | WK2           | 1.18    | CT      | 6 | TO   | 60            | 10:1  |     |      |   |      |       |
| ID LOGO       | SL HZ         | 0.8     | VT      | 3 | TO   | 60            | 20:1  |     |      |   |      |       |
|               |               |         |         |   |      |               |       |     |      |   |      |       |
|               |               |         |         |   |      |               |       |     |      |   |      |       |
|               |               |         |         |   |      |               |       |     |      |   |      |       |
|               |               |         |         |   |      |               | QR    |     |      |   |      |       |
| YR            |               |         |         |   |      |               |       |     |      |   |      |       |



