

# ABB BALDOR RELIANCE III

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## Customer information packet

### EM31157

2HP, 1750RPM, 3PH, 60HZ, 56H, 3526M, ODP, F1, N

Class - None

Division - Not Applicable

**Specifications**

|                                       |                                                             |
|---------------------------------------|-------------------------------------------------------------|
| <b>Enclosure</b>                      | ODP                                                         |
| <b>Frame</b>                          | 56H                                                         |
| <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>             | 2.000 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                                                    |
| <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>              | 2.600 A @ 460.0 V<br>5.200 A @ 230.0 V<br>5.800 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>         | 86.5 %                                                      |
| <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>    | 2.6 a                                                       |
| <b>Insulation Class</b>               | F                                                           |

**Part Detail**

|                     |            |
|---------------------|------------|
| <b>Revision</b>     | -          |
| <b>Type</b>         | AC         |
| <b>Mech. spec.</b>  | 35J382     |
| <b>Base</b>         |            |
| <b>Status</b>       | PRD/A      |
| <b>Elec. spec.</b>  | 35WGZ165   |
| <b>Layout</b>       | 35LYJ382   |
| <b>Eff. date</b>    | 02-19-2026 |
| <b>CD Diagram</b>   | CD0005     |
| <b>Poles</b>        | 04         |
| <b>Leads</b>        | 9#18       |
| <b>Proprietary</b>  | False      |
| <b>Created date</b> | 11-06-2025 |

|                                      |                            |
|--------------------------------------|----------------------------|
| <b>Inverter Code</b>                 | <b>Inverter Ready</b>      |
| <b>KVA Code</b>                      | <b>K</b>                   |
| <b>Lifting Lugs</b>                  | <b>No Lifting Lugs</b>     |
| <b>Locked Bearing Indicator</b>      | <b>No Locked Bearing</b>   |
| <b>Motor Lead Quantity/Wire Size</b> | <b>9 @ 18 AWG</b>          |
| <b>Motor Lead Termination</b>        | <b>Flying Leads</b>        |
| <b>Motor Standards</b>               | <b>NEMA</b>                |
| <b>Motor Type</b>                    | <b>3526M</b>               |
| <b>Mounting Arrangement</b>          | <b>F1</b>                  |
| <b>Number of Poles</b>               | <b>4</b>                   |
| <b>Overall Length</b>                | <b>11.75 IN</b>            |
| <b>Power Factor</b>                  | <b>82</b>                  |
| <b>Product Family</b>                | <b>General Purpose</b>     |
| <b>Pulley End Bearing Type</b>       | <b>Ball</b>                |
| <b>Pulley Face Code</b>              | <b>Standard</b>            |
| <b>Pulley Shaft Indicator</b>        | <b>Standard</b>            |
| <b>Rodent Screen</b>                 | <b>None</b>                |
| <b>RoHS Status</b>                   | <b>ROHS COMPLIANT</b>      |
| <b>Service Factor</b>                | <b>1.15</b>                |
| <b>Shaft Diameter</b>                | <b>0.625 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>1750 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

| NP3155LUA      |                            |      |     |      |   |       |    |       |  |
|----------------|----------------------------|------|-----|------|---|-------|----|-------|--|
| CAT.NO.        | EM31157                    |      |     |      |   |       |    |       |  |
| SPEC.          | 35J382Z165                 |      |     |      |   |       |    |       |  |
| HP             | 2                          |      |     |      |   |       |    |       |  |
| VOLTS          | 230/460                    |      |     |      |   |       |    |       |  |
| AMPS           | 5.6/2.8                    |      |     |      |   |       |    |       |  |
| RPM            | 1760                       |      |     |      |   |       |    |       |  |
| FRAME          | 56H                        |      | HZ  | 60   |   |       | PH | 3     |  |
| SF             | 1.15                       | CODE | K   | DES  | B | CLASS | F  |       |  |
| F.L. AVG. EFF. | 86.5                       | PF   | 78  |      |   |       |    |       |  |
| RATING         | 40C AMB-CONT               |      |     |      |   |       |    |       |  |
| CC             |                            |      |     |      |   |       |    |       |  |
| DE             | 6205                       |      | ODE | 6203 |   |       |    |       |  |
| ENCL           | ODP                        | SN   |     |      |   |       |    |       |  |
| USABLE AT      | 2HP 50HZ 190/380V 6.6/3.3A |      |     |      |   |       |    | SF1.0 |  |

**Parts List**

| <b>Part number</b> | <b>Description</b>                       | <b>Quantity</b> |
|--------------------|------------------------------------------|-----------------|
| SA444239           | SA 35J382Z165                            | 1.000 ea        |
| RA436765           | RA 35J382Z165                            | 1.000 ea        |
| NS2512A01          | INSULATOR, CONDUIT BOX X                 | 1.000 ea        |
| 35CB3007           | 35 CB CASTING W/.88 DIA. LEAD HOLE       | 1.000 ea        |
| 51XB1016A06        | 10-16X3/8 HXWSSLD SERTYB                 | 2.000 ea        |
| 11XW1032G06        | 10-32 X .38, TAPTITE II, HEX WSHR SLTD U | 1.000 ea        |
| 35EP3209G00        | MASTER ODE,203 BRG                       | 1.000 ea        |
| HW5100A03          | WAVY WASHER (W1543-017)                  | 1.000 ea        |
| 35EP3210B00        | MASTER DE,205 BRG,1.000SH                | 1.000 ea        |
| XY1032A02          | 10-32 HEX NUT DIRECTIONAL SERRATION      | 4.000 ea        |
| 35CB4521           | 35 LIPPED CB LID (GALV & PHOSPH)         | 1.000 ea        |
| 51XW0832A07        | 8-32 X .44, TAPTITE II, HEX WSHR SLTD SE | 4.000 ea        |
| HW2501D13          | KEY, 3/16 SQ X 1.375                     | 1.000 ea        |
| HA7000A04          | KEY RETAINER 0.625 DIA SHAFTS            | 1.000 ea        |
| 85XU0407S04        | 4X1/4 U DRIVE PIN STAINLESS              | 2.000 ea        |
| MJ1000A02          | GREASE, POLYREX EM EXXON                 | 0.050 lb        |
| MG1050Y01          | CELEROL BALDOR GOLD *5 GALLON BUCKET*    | 0.017 ga        |
| HA3100A18          | THRUBOLT 10-32 X 9.250                   | 4.000 ea        |
| LC0005E01          | CONN.DIA./WARNING LABEL (LC0005/LB1119N) | 1.000 ea        |
| MN416A01           | TAG-INSTAL-MAINT no wire (2500 bx)11/25  | 1.000 ea        |
| NP3155LUA          | ALUM SUPER-E UL CC "SEMS" "USABLE AT" VE | 1.000 ea        |
| 35PA1066           | PKG GRP, PRINT PK1008A07                 | 1.000 ea        |
| FE-0000001         | ZRTG FE ASSEMBLY                         | 1.000 ea        |
| PE-0000001         | ZRTG PE ASSEMBLY                         | 1.000 ea        |



