

# ABB BALDOR RELIANCE III

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## Customer information packet

### GNEM31157-G

2/1.5KWHP, 1765//1460RPM, 3PH, 60//50HZ, 56

Class - None

Division - Not Applicable

**Specifications**

|                                       |                                                                                             |
|---------------------------------------|---------------------------------------------------------------------------------------------|
| <b>Enclosure</b>                      | OPSB                                                                                        |
| <b>Frame</b>                          | 56                                                                                          |
| <b>Frame Material</b>                 | Steel                                                                                       |
| <b>Frequency</b>                      | 50.00 Hz<br>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<br>2.000 HP @ 50 HZ                                                        |
| <b>Phase</b>                          | 3                                                                                           |
| <b>Synchronous Speed @ Frequency</b>  | 1800 RPM @ 60 HZ                                                                            |
| <b>Voltage @ Frequency</b>            | 190.0 V @ 50 HZ<br>208.0 V @ 60 HZ<br>230.0 V @ 60 HZ<br>380.0 V @ 50 HZ<br>460.0 V @ 60 HZ |
| <b>Agency Approvals</b>               | CE<br>WEEE<br>UKCA<br>CURUSEEV<br>IE3<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>              | 6.400 A @ 190.0 V<br>5.700 A @ 208.0 V<br>5.600 A @ 230.0 V                                 |

**Part Detail**

|                     |            |
|---------------------|------------|
| <b>Revision</b>     | D          |
| <b>Type</b>         | AC         |
| <b>Mech. spec.</b>  | 35Z946     |
| <b>Base</b>         |            |
| <b>Status</b>       | PRD/A      |
| <b>Elec. spec.</b>  | 35WGZ806   |
| <b>Layout</b>       | 35LYZ946   |
| <b>Eff. date</b>    | 05-08-2024 |
| <b>CD Diagram</b>   | CD0005     |
| <b>Poles</b>        | 04         |
| <b>Leads</b>        | 9#18       |
| <b>Proprietary</b>  | False      |
| <b>Created date</b> | 08-24-2023 |

|                               |                           |
|-------------------------------|---------------------------|
|                               | 3.200 A @ 380.0 V         |
|                               | 2.800 A @ 460.0 V         |
| Design Code                   | B                         |
| Drip Cover                    | No Drip Cover             |
| Duty Rating                   | CONT                      |
| Efficiency @ 100% Load        | 86.5 %                    |
| Electrically Isolated Bearing | Not Electrically Isolated |
| Feedback Device               | NO FEEDBACK               |
| Front Shaft Indicator         | None                      |
| Heater Indicator              | No Heater                 |
| High Voltage Full Load Amps   | 2.8 a                     |
| Insulation Class              | F                         |
| Inverter Code                 | Inverter Duty             |
| KVA Code                      | L                         |
| Lifting Lugs                  | No Lifting Lugs           |
| Locked Bearing Indicator      | Locked Bearing            |
| Motor Lead Quantity/Wire Size | 9 @ 18 AWG                |
| Motor Lead Termination        | Flying Leads              |
| Motor Standards               | NEMA                      |
| Motor Type                    | 3530M                     |
| Mounting Arrangement          | F1                        |
| Number of Poles               | 4                         |
| Overall Length                | 12.94 IN                  |
| Power Factor                  | 77                        |
| Product Family                | General Purpose           |
| Pulley End Bearing Type       | Ball                      |
| Pulley Face Code              | Standard                  |
| Pulley Shaft Indicator        | Standard                  |
| Rodent Screen                 | None                      |
| RoHS Status                   | ROHS COMPLIANT            |
| Service Factor                | 1.15                      |
| Shaft Diameter                | 0.625 IN                  |
| Shaft Ground Indicator        | Shaft Grounding           |
| Shaft Rotation                | Reversible                |

|                            |                     |
|----------------------------|---------------------|
| Shaft Slinger Indicator    | No Slinger          |
| Speed                      | 1460 rpm            |
|                            | 1765 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**

| NP4304L        |                              |               |          |        |    |       |      |  |    |
|----------------|------------------------------|---------------|----------|--------|----|-------|------|--|----|
| CAT.NO.        | GNEM31157-G                  |               |          |        |    |       |      |  |    |
| SPEC.          | 35Z946Z806G1                 |               |          |        |    |       |      |  |    |
| HP             | 2/1.5KW                      |               |          |        |    | PH    | 3    |  |    |
| VOLTS          | 208-230/460//190/380         |               |          |        |    |       |      |  |    |
| AMPS           | 5.7-5.6/2.8//6.4/3.2         |               |          |        |    |       |      |  |    |
| R.P.M. (1/MIN) | 1765//1460                   |               |          |        |    | WT.   | 22KG |  | KG |
| FRAME          | 56                           |               | HZ       | 60//50 |    | I.P.  | 22   |  |    |
| SER.F.         | 1.15                         | CODE          | L        | DES.   | B  | CLASS | H    |  |    |
| NOM.EFF.       | 86.5//85.3                   |               | % (100%) |        |    |       |      |  |    |
| P.F.           | 77                           | IC01, 10:1 VT |          |        |    |       |      |  |    |
| RATING         | 40C AMB-S1 CONT              |               |          |        | CC | 010A  |      |  |    |
| DE             | 6205                         |               | ODE      | 6203   |    |       |      |  |    |
| ENCL           | OPSB                         | SN            |          |        |    |       |      |  |    |
|                | SFA 6.5-6.3/3.15//7.4/3.7    |               |          |        |    |       |      |  |    |
|                | IE3-50HZ-86.6(75%),86.0(50%) |               |          |        |    |       |      |  |    |
|                | IE3-60HZ-86.9(75%),85.1(50%) |               |          |        |    |       |      |  |    |



