

# ABB BALDOR RELIANCE III

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## Customer information packet

### ECS101M0H5DB4

5HP, 1800RPM, 3PH, 60HZ, 145TC, 3548B, TEFC, F1

Class - None

Division - Not Applicable

**Specifications**

|                                |                                         |
|--------------------------------|-----------------------------------------|
| Enclosure                      | TEFC                                    |
| Frame                          | 145TC                                   |
| Frame Material                 | Steel                                   |
| Frequency                      | 60.00 Hz                                |
| Haz Area Class and Group       | None                                    |
| Haz Area Division              | Not Applicable                          |
| Motor Letter Type              | Brushless Wound Field PM Rotor          |
| Output @ Frequency             | 5.000 HP @ 60 HZ                        |
| Phase                          | 3                                       |
| Synchronous Speed @ Frequency  | 1800 RPM @ 60 HZ                        |
| Voltage @ Frequency            | 230.0 V @ 60 HZ<br>460.0 V @ 60 HZ      |
| Agency Approvals               | WEEE<br>CULUS                           |
| Ambient Temperature            | 40 °C                                   |
| Auxiliary Box                  | NO AUXILLARY BOX                        |
| Auxiliary Box Lead Termination | None                                    |
| Base Indicator                 | Rigid                                   |
| Bearing Grease Type            | Polyrex EM (-20F +300F)                 |
| Blower                         | None                                    |
| Constant Torque Speed Range    | 6                                       |
| Current @ Voltage              | 10.400 A @ 230.0 V<br>5.200 A @ 460.0 V |
| Design Code                    | -                                       |
| Drip Cover                     | No Drip Cover                           |
| Duty Rating                    | CONT                                    |
| Efficiency @ 100% Load         | 93.0 %                                  |
| Electrically Isolated Bearing  | Not Electrically Isolated               |
| Feedback Device                | NO FEEDBACK                             |
| Heater Indicator               | No Heater                               |
| High Voltage Full Load Amps    | 5.2 a                                   |
| Insulation Class               | H                                       |

**Part Detail**

|              |            |
|--------------|------------|
| Revision     | C          |
| Type         | AC         |
| Mech. spec.  | 35E5263    |
| Base         |            |
| Status       | PRD/A      |
| Elec. spec.  | 35WGG930   |
| Layout       | 35LYE5263  |
| Eff. date    | 02-12-2026 |
| CD Diagram   | CD0005A25  |
| Poles        | 04         |
| Leads        | 9#14       |
| Proprietary  | False      |
| Created date | 03-15-2024 |

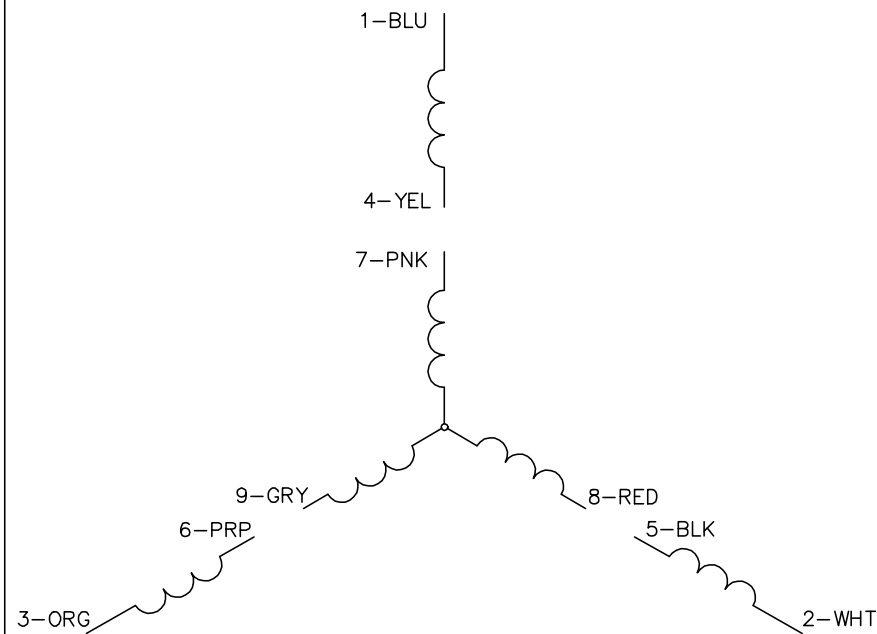
| Inverter Code                 | Inverter Duty       |
|-------------------------------|---------------------|
| KVA Code                      | -                   |
| Lifting Lugs                  | No Lifting Lugs     |
| Locked Bearing Indicator      | Locked Bearing      |
| Motor Lead Quantity/Wire Size | 9 @ 14 AWG          |
| Motor Lead Termination        | Flying Leads        |
| Motor Standards               | NEMA                |
| Motor Type                    | 3548B               |
| Mounting Arrangement          | F1                  |
| Number of Poles               | 4                   |
| Overall Length                | 15.54 IN            |
| Power Factor                  | 97                  |
| Product Family                | General Purpose     |
| Pulley Face Code              | C-Face              |
| Rodent Screen                 | None                |
| RoHS Status                   | Y                   |
| Service Factor                | 1.15                |
| Shaft Diameter                | 0.875 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**

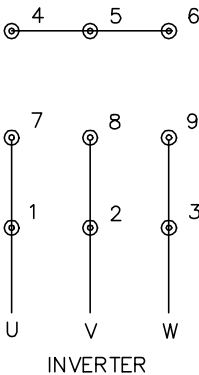
| NP3968A01A01 |                             |    |           |         |          |           |         |    |  |
|--------------|-----------------------------|----|-----------|---------|----------|-----------|---------|----|--|
| CAT.NO.      | ECS101M0H5DB4               |    |           |         |          |           |         |    |  |
| SPEC.        | 35E5263G930                 |    |           |         |          |           |         |    |  |
| FRAME        | 145TC                       |    | ENCL.     |         | TEFC     |           | IP      | 54 |  |
| HP           | 5                           | 40 | C AMB     |         |          | CONT      |         |    |  |
| NOM. EFF.    | 93                          | PF | 97        | SF      |          | 1.4       |         |    |  |
| VOLTS        | 230/460                     |    | FLA       |         | 10.4/5.2 |           |         |    |  |
| RPM          | 1800                        |    | RPM-MAX   |         |          | 4000      |         |    |  |
| HZ           | 60                          |    | PH.       | 3       | CLASS    |           | H       |    |  |
| BEMF (V)     | 113/227                     |    | RS (OHMS) |         |          | 0.79/3.18 |         |    |  |
| LD (MH)      | 4.2/16.8                    |    |           | LQ (MH) |          |           | 18.5/74 |    |  |
| VPWM         | CHP                         | 60 | TO        |         | 133      |           |         |    |  |
| CT           | 6                           | TO | 60        |         | VT       | 6         | TO      | 60 |  |
| MATCHED INV  | ACS380-04XX-12A2-1 / 07A2-4 |    |           |         |          |           |         |    |  |
| DE           | 6205                        |    | ODE       |         | 6203     |           |         |    |  |
| SERIAL #     |                             |    |           |         |          |           |         |    |  |



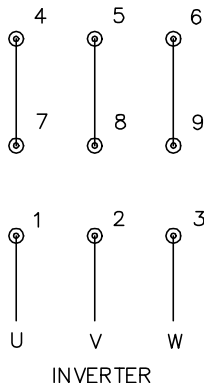
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LOW VOLTAGE  
(2Y)



HIGH VOLTAGE  
(1Y)



- NOTES:
- 1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
  - 2. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
  - 3. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

|                      |                              |                   |
|----------------------|------------------------------|-------------------|
| REV. DESC: NEW       |                              |                   |
| REV. LTR: -          | VERSION: 00                  | TDR: 000001135746 |
| FILE: \AAA\00253\082 | REVISED: 01:10:57 03/30/2020 | BY: ENMARSO       |
| MTL: -               | © □                          |                   |

**BALDOR - RELIANCE®**

3PH, DV, 9 LEADS, ECS  
SH 1 of 1

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