

# ABB BALDOR RELIANCE III

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## Customer information packet

### CHC365A

.5HP, 1100RPM, 1PH, 60HZ, 56YZ, 3428C, TEAO, F1

Class - None

Division - Not Applicable

**Specifications**

|                                |                                                             |
|--------------------------------|-------------------------------------------------------------|
| Enclosure                      | TEAO                                                        |
| Frame                          | 56YZ                                                        |
| Frame Material                 | Steel                                                       |
| Frequency                      | 60.00 Hz                                                    |
| Haz Area Class and Group       | None                                                        |
| Haz Area Division              | Not Applicable                                              |
| Motor Letter Type              | Oil Capacitor Start and Run                                 |
| Output @ Frequency             | .500 HP @ 60 HZ                                             |
| Phase                          | 1                                                           |
| Synchronous Speed @ Frequency  | 1200 RPM @ 60 HZ                                            |
| Voltage @ Frequency            | 115.0 V @ 60 HZ<br>230.0 V @ 60 HZ                          |
| Agency Approvals               | UR<br>CSA                                                   |
| Ambient Temperature            | 40 °C                                                       |
| Auxiliary Box                  | NO AUXILLARY BOX                                            |
| Auxiliary Box Lead Termination | None                                                        |
| Base Indicator                 | Resilient                                                   |
| Bearing Grease Type            | Polyrex EM (-20F +300F)                                     |
| Blower                         | None                                                        |
| Current @ Voltage              | 3.200 A @ 230.0 V<br>3.300 A @ 208.0 V<br>6.400 A @ 115.0 V |
| Drip Cover                     | No Drip Cover                                               |
| Duty Rating                    | CONT                                                        |
| Electrically Isolated Bearing  | Not Electrically Isolated                                   |
| Feedback Device                | NO FEEDBACK                                                 |
| Front Face Code                | Resilient Mount                                             |
| Front Shaft Indicator          | None                                                        |
| Heater Indicator               | No Heater                                                   |
| High Voltage Full Load Amps    | 3.2 a                                                       |
| Insulation Class               | B                                                           |

**Part Detail**

|              |            |
|--------------|------------|
| Revision     | L          |
| Type         | AC         |
| Mech. spec.  | 34M244     |
| Base         |            |
| Status       | PRD/A      |
| Elec. spec.  | 34WGR229   |
| Layout       | 34LYM244   |
| Eff. date    | 10-28-2024 |
| CD Diagram   | CD0804     |
| Poles        | 06         |
| Leads        | 7#18       |
| Proprietary  | False      |
| Created date | 10-16-2014 |

|                                      |                                |
|--------------------------------------|--------------------------------|
| <b>Inverter Code</b>                 | Not Inverter                   |
| <b>KVA Code</b>                      | E                              |
| <b>Lifting Lugs</b>                  | No Lifting Lugs                |
| <b>Locked Bearing Indicator</b>      | No Locked Bearing              |
| <b>Motor Lead Exit</b>               | Terminal Panel Or Lead Hole    |
| <b>Motor Lead Quantity/Wire Size</b> | 7 @ 18 AWG                     |
| <b>Motor Lead Termination</b>        | None                           |
| <b>Motor Standards</b>               | NEMA                           |
| <b>Motor Type</b>                    | 3428C                          |
| <b>Mounting Arrangement</b>          | F1                             |
| <b>Number of Poles</b>               | 6                              |
| <b>Overall Length</b>                | 13.58 IN                       |
| <b>Product Family</b>                | General Purpose                |
| <b>Pulley End Bearing Type</b>       | Ball                           |
| <b>Pulley Face Code</b>              | Resilient Mount                |
| <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>                | 0.625 IN                       |
| <b>Shaft Extension Location</b>      | Pulley End                     |
| <b>Shaft Ground Indicator</b>        | No Shaft Grounding             |
| <b>Shaft Rotation</b>                | Reversible: Connected Standard |
| <b>Shaft Slinger Indicator</b>       | No Slinger                     |
| <b>Speed</b>                         | 1100 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>             | Automatic Thermal Overload     |
| <b>Winding Thermal 1 Location</b>    | WG                             |

**Nameplate**

| NP1257L      |              |      |      |     |   |    |   |  |  |
|--------------|--------------|------|------|-----|---|----|---|--|--|
| CAT.NO.      | CHC365A      |      |      |     |   |    |   |  |  |
| SPEC.        | 34M244R229G1 |      |      |     |   |    |   |  |  |
| HP           | .5           |      |      |     |   |    |   |  |  |
| VOLTS        | 115/230      |      |      |     |   |    |   |  |  |
| AMP          | 6.4/3.2      |      |      |     |   |    |   |  |  |
| RPM          | 1100         |      |      |     |   |    |   |  |  |
| FRAME        | 56YZ         |      | HZ   | 60  |   | PH | 1 |  |  |
| SER.F.       | 1.15         | CODE | E    | DES | - | CL | B |  |  |
| NEMA-NOM-EFF |              | PF   |      |     |   |    |   |  |  |
| RATING       | 40C AMB-CONT |      |      |     |   |    |   |  |  |
| CC           |              |      |      |     |   |    |   |  |  |
| DE           | 6203         | ODE  | 6203 |     |   |    |   |  |  |
| ENCL         | TEAO         | SN   |      |     |   |    |   |  |  |

**Parts List**

| Part number   | Description                              | Quantity |
|---------------|------------------------------------------|----------|
| SA288423      | SA 34M244R229G1                          | 1.000 ea |
| RA274614      | RA 34M244R229G1                          | 1.000 ea |
| OC3020F12SP   | CAPACITORS 20 MFD 370 VAC                | 1.000 ea |
| 11XW0832G06   | #8-32 X 3/8, TAPTITE II, HEX WSHR SLTD   | 1.000 ea |
| LD5000A52     | LEAD ASSY W/INTERNAL STAR RING TERMINALS | 1.000 ea |
| 11XT1032A06   | 10-32 X 3/8 HX WSHR HD SLTD TYPE 23      | 2.000 ea |
| 34EP3204A01SP | FR ENDPLATE, MACH                        | 1.000 ea |
| WD4100A01     | DP-875 HEYCO PLUG OR 62MP0875 MICRO PLAS | 1.000 ea |
| RM1001A01     | GROMMET "MIDSTATES"                      | 1.000 ea |
| 51XW0832A07   | 8-32 X .44, TAPTITE II, HEX WSHR SLTD SE | 3.000 ea |
| RM1000A03     | CUSHION RING, MDL 17-33-34               | 1.000 ea |
| HA6004A01A    | CLAMP CUSHION RING ASSY                  | 1.000 ea |
| 34GS5003A01   | FOAM SLEEVE, ID = 2 1/16" X 4 3/8"       | 1.000 ea |
| 51XB1016A05   | 10-16X5/16HX WA SL SR TYB (F/S)          | 2.000 ea |
| HW5100A03     | WAVY WASHER (W1543-017)                  | 1.000 ea |
| 34EP3205B01   | PU ENDPLATE, MACH                        | 1.000 ea |
| RM1000A03     | CUSHION RING, MDL 17-33-34               | 1.000 ea |
| HA6004A01A    | CLAMP CUSHION RING ASSY                  | 1.000 ea |
| XY0832A02     | 8-32 HEX NUT                             | 4.000 ea |
| 34CB4501SP    | TERMINAL BOX LID, STAMPED X (PLATED)     | 1.000 ea |
| 34GS1005      | GASKET, TERM PLATE LID                   | 1.000 ea |
| 51XW0832A07   | 8-32 X .44, TAPTITE II, HEX WSHR SLTD SE | 2.000 ea |
| HW2501D13     | KEY, 3/16 SQ X 1.375                     | 1.000 ea |
| HA7000A04     | KEY RETAINER 0.625 DIA SHAFTS            | 1.000 ea |
| HW1000A08     | #8 SAE FLAT WASHER                       | 8.000 ea |
| WD1000A16     | 2-520128-2 AMP FLAG TERMINAL(4M/RL)      | 7.000 ea |
| MG1050G01     | CELEROL MEDIUM CHARCOAL METALLIC GRAY    | 0.014 ga |
| 85XU0407S04   | 4X1/4 U DRIVE PIN STAINLESS              | 2.000 ea |
| 34BA4003G01   | RESILIENT BASE                           | 1.000 ea |
| SP5076SP      | MODEL 34 TERMINAL PANEL WITH QUICK CONNE | 1.000 ea |
| 33CB4800A02   | CAPACITOR COVER, STAMPED                 | 1.000 ea |

|             |                                         |          |
|-------------|-----------------------------------------|----------|
| 35GS3001A02 | GASKET, CA.COVER, 5.38 LONG .06 CS301   | 1.000 ea |
| HA3169A16   | THRUBOLT #8-32 THDS X 9.937"LG TDR#1    | 4.000 ea |
| LB1118      | LABEL,WARNING (ROLL LABEL)              | 1.000 ea |
| MN416A01    | TAG-INSTAL-MAINT no wire (2500 bx)11/25 | 1.000 ea |
| LC0052      | CONNECTION LABEL                        | 1.000 ea |
| NP1257L     | ALUM UL CC THERMAL REV MTG              | 1.000 ea |
| 36PA1000    | PKG GRP, PRINT PK1016A08                | 1.000 ea |

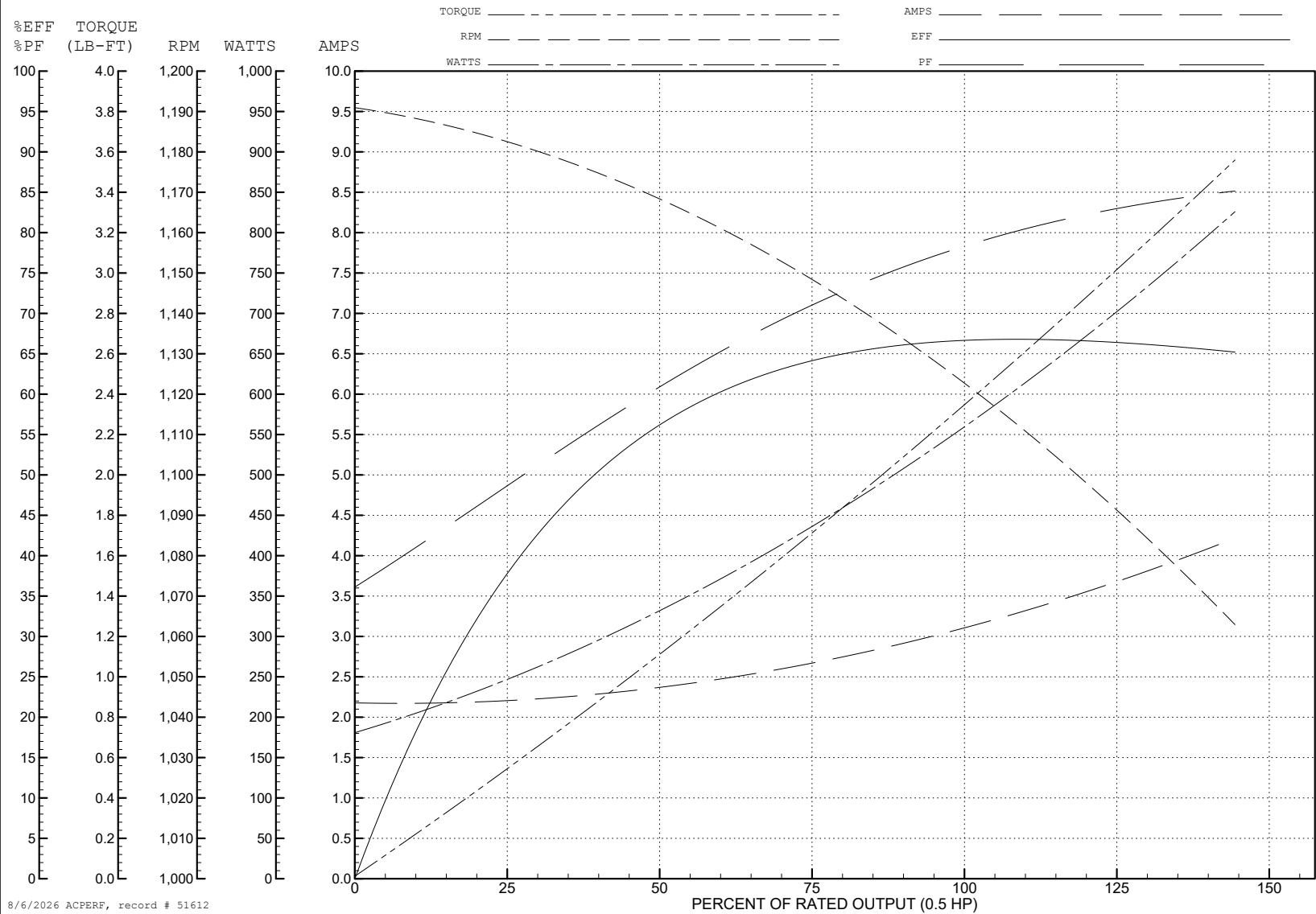
ABB Motors and Mechanical Inc.

WINDING # 34WGR229

Typical performance - not guaranteed values.

0.5 HP 1 PH 60 HZ 1100 RPM 230 V 3428C

TORQUES (LB-FT): PO=4.67 PU=1.01 LR=1.39 LRA=10.4





CD0804

