

# ABB BALDOR RELIANCE III

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## Customer information packet

### ECTM4314T

60HP, 1780RPM, 3PH, 60HZ, 364T, 1462M, TEAO, F1

Class - None

Division - Not Applicable

**Specifications**

|                               |                                           |
|-------------------------------|-------------------------------------------|
| Enclosure                     | TEAO                                      |
| Frame                         | 364T                                      |
| Frame Material                | Iron                                      |
| Frequency                     | 60.00 Hz                                  |
| Haz Area Class and Group      | None                                      |
| Haz Area Division             | Not Applicable                            |
| Motor Letter Type             | Three Phase                               |
| Output @ Frequency            | 60.000 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              | CSA EEV                                   |
| Ambient Temperature           | 40 °C                                     |
| Auxiliary Box                 | NO AUXILLARY BOX                          |
| Base Indicator                | Rigid                                     |
| Bearing Grease Type           | Polyrex EM (-20F +300F)                   |
| Current @ Voltage             | 136.000 A @ 230.0 V<br>68.000 A @ 460.0 V |
| Design Code                   | B                                         |
| Drip Cover                    | No Drip Cover                             |
| Duty Rating                   | CONT                                      |
| Efficiency @ 100% Load        | 95.0 %                                    |
| Feedback Device               | NO FEEDBACK                               |
| Heater Indicator              | No Heater                                 |
| High Voltage Full Load Amps   | 68.0 a                                    |
| Insulation Class              | F                                         |
| Inverter Code                 | Not Inverter                              |
| KVA Code                      | G                                         |
| Lifting Lugs                  | Standard Lifting Lugs                     |
| Motor Lead Quantity/Wire Size | 3 @ 4 AWG                                 |
| Motor Standards               | NEMA                                      |

**Part Detail**

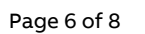
|              |            |
|--------------|------------|
| Revision     | Q          |
| Type         | AC         |
| Mech. spec.  |            |
| Base         |            |
| Status       | PRD/A      |
| Elec. spec.  | A36WG4075  |
| Layout       | 617431-836 |
| Eff. date    | 02-13-2025 |
| CD Diagram   | CD0180     |
| Poles        | 04         |
| Leads        | 3#4,6#6 Y  |
| Proprietary  | False      |
| Created date | 10-19-2010 |

|                                 |                    |
|---------------------------------|--------------------|
| <b>Motor Type</b>               | A36062M            |
| <b>Mounting Arrangement</b>     | F1                 |
| <b>Number of Poles</b>          | 4                  |
| <b>Overall Length</b>           | 29.70 IN           |
| <b>Power Factor</b>             | 87                 |
| <b>Pulley End Bearing Type</b>  | Ball               |
| <b>Pulley Face Code</b>         | Standard           |
| <b>Service Factor</b>           | 1.15               |
| <b>Shaft Ground Indicator</b>   | No Shaft Grounding |
| <b>Shaft Rotation</b>           | Reversible         |
| <b>Shaft Slinger Indicator</b>  | No Slinger         |
| <b>Speed</b>                    | 1780 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               |

**Nameplate**

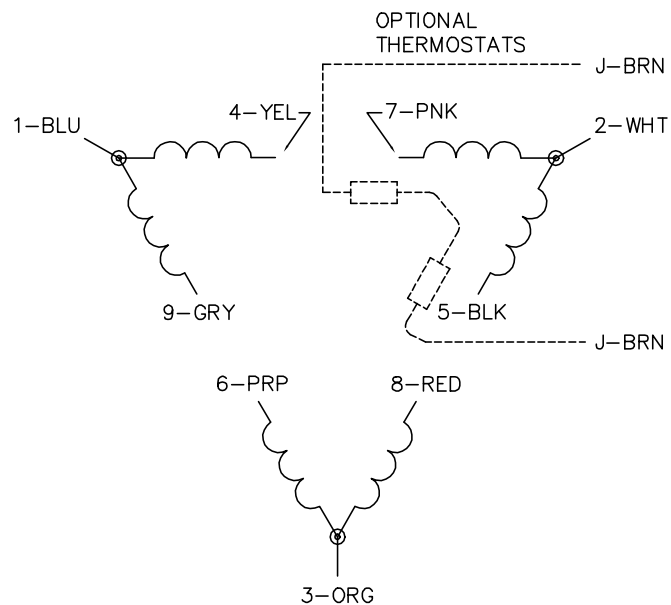
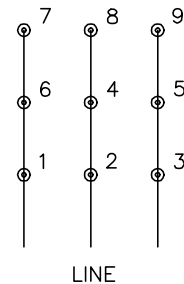
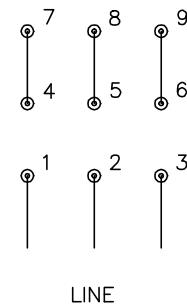
| NP4486            |              |      |                         |               |   |              |      |          |      |                       |    |    |      |      |
|-------------------|--------------|------|-------------------------|---------------|---|--------------|------|----------|------|-----------------------|----|----|------|------|
| CAT.NO.           | ECTM4314T    |      |                         |               |   | SPEC NO.     |      | P36G3418 |      |                       |    |    |      |      |
| HP                | 60HP         | AMPS |                         | 140/70        |   | VOLTS        |      | 230/460  |      | DESIGN                |    | B  |      |      |
| FRAME             | 364T         | RPM  |                         | 1780          |   | HZ           |      | 60       | AMB  |                       | 40 | SF | 1.15 |      |
| DRIVE END BEARING | 65BC03JGG30A |      |                         | PH            | 3 | DUTY         |      | CONT     |      | INSUL.CLASS           |    | F  |      |      |
| OPP D.E. BEARING  | 65BC03JGG30A |      |                         | TYPE          |   | P            | ENCL |          | TEAO | CODE                  |    | G  |      |      |
| D.E.BRG.DATA      | 6313         |      |                         | POWER FACTOR  |   |              |      | 84       |      | NEMA NOM EFFICIENCY   |    |    |      | 95   |
| O.D.E.BRG.DATA    | 6313         |      |                         | MAX CORR KVAR |   |              |      | 15.00    |      | GUARANTEED EFFICIENCY |    |    |      | 94.1 |
| 3/4 LOAD EFF.     | 95           |      | NEMA NOM/CSA QUOTED EFF |               |   |              |      |          |      |                       |    |    |      |      |
| SER.NO.           |              |      |                         |               |   | MOTOR WEIGHT |      |          | 835  |                       |    |    |      |      |

| 000901002AAA                   |                |
|--------------------------------|----------------|
| 1000 MIN FPM @ RATED HP AND SF | AIR OVER MOTOR |
| INV DUTY 20:1VT                |                |
|                                |                |
|                                |                |





CD0180


 LOW VOLTAGE  
(2D)

 HIGH VOLTAGE  
(1D)

**NOTES:**

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

CD0180

REV. DESC: ADD CLASS CONN00000007

REV. LTR: D

VERSION: 01

TDR: 000001099922

FILE: \AAA\00005\148

REVISED: 10: 25: 29 02/19/2019

BY: ENBRIRO

MTL: -


**BALDOR - RELIANCE®**

3PH, DV, 9 LEADS, DELTA CONNECTION

SH 1 of 1