

# ABB BALDOR RELIANCE III

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## Customer information packet

### EM3607T-G

1.5HP, 1165RPM, 3PH, 60HZ, 182T, 3632M, TEFC, F

Class - None

Division - Not Applicable

**Specifications**

|                                       |                                                             |
|---------------------------------------|-------------------------------------------------------------|
| <b>Enclosure</b>                      | TEFC                                                        |
| <b>Frame</b>                          | 182T                                                        |
| <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>             | 1.500 HP @ 60 HZ                                            |
| <b>Phase</b>                          | 3                                                           |
| <b>Synchronous Speed @ Frequency</b>  | 1200 RPM @ 60 HZ                                            |
| <b>Voltage @ Frequency</b>            | 460.0 V @ 60 HZ<br>230.0 V @ 60 HZ                          |
| <b>Agency Approvals</b>               | CSA<br>CSA EEV<br>UR                                        |
| <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>              | 4.800 A @ 230.0 V<br>5.000 A @ 208.0 V<br>2.400 A @ 460.0 V |
| <b>Design Code</b>                    | B                                                           |
| <b>Drip Cover</b>                     | No Drip Cover                                               |
| <b>Duty Rating</b>                    | CONT                                                        |
| <b>Efficiency @ 100% Load</b>         | 87.5 %                                                      |
| <b>Electrically Isolated Bearing</b>  | Not Electrically Isolated                                   |
| <b>Feedback Device</b>                | NO FEEDBACK                                                 |
| <b>Front Face Code</b>                | Standard                                                    |
| <b>Front Shaft Indicator</b>          | None                                                        |

**Part Detail**

|                     |            |
|---------------------|------------|
| <b>Revision</b>     | U          |
| <b>Type</b>         | AC         |
| <b>Mech. spec.</b>  | 36M524     |
| <b>Base</b>         |            |
| <b>Status</b>       | PRD/A      |
| <b>Elec. spec.</b>  | 36WGS916   |
| <b>Layout</b>       | 36LYM524   |
| <b>Eff. date</b>    | 02-19-2026 |
| <b>CD Diagram</b>   | CD0005     |
| <b>Poles</b>        | 06         |
| <b>Leads</b>        | 9#16       |
| <b>Proprietary</b>  | False      |
| <b>Created date</b> | 05-16-2012 |

|                                      |                     |
|--------------------------------------|---------------------|
| <b>Heater Indicator</b>              | No Heater           |
| <b>High Voltage Full Load Amps</b>   | 2.4 a               |
| <b>Insulation Class</b>              | H                   |
| <b>Inverter Code</b>                 | Inverter Ready      |
| <b>KVA Code</b>                      | K                   |
| <b>Lifting Lugs</b>                  | No Lifting Lugs     |
| <b>Locked Bearing Indicator</b>      | Locked Bearing      |
| <b>Motor Lead Exit</b>               | Ko Box              |
| <b>Motor Lead Quantity/Wire Size</b> | 9 @ 16 AWG          |
| <b>Motor Lead Termination</b>        | Flying Leads        |
| <b>Motor Standards</b>               | NEMA                |
| <b>Motor Type</b>                    | 3632M               |
| <b>Mounting Arrangement</b>          | F1                  |
| <b>Number of Poles</b>               | 6                   |
| <b>Overall Length</b>                | 16.54 IN            |
| <b>Power Factor</b>                  | 67                  |
| <b>Product Family</b>                | General Purpose     |
| <b>Pulley End Bearing Type</b>       | Ball                |
| <b>Pulley Face Code</b>              | Standard            |
| <b>Pulley Shaft Indicator</b>        | Standard            |
| <b>Rodent Screen</b>                 | None                |
| <b>Service Factor</b>                | 1.15                |
| <b>Shaft Diameter</b>                | 1.125 IN            |
| <b>Shaft Extension Location</b>      | Pulley End          |
| <b>Shaft Ground Indicator</b>        | Shaft Grounding     |
| <b>Shaft Rotation</b>                | Reversible          |
| <b>Shaft Slinger Indicator</b>       | No Slinger          |
| <b>Speed</b>                         | 1165 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>             | None                |

Winding Thermal 2

None

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Nameplate

| NP3441LUA                    |              |      |     |    |      |   |       |  |       |
|------------------------------|--------------|------|-----|----|------|---|-------|--|-------|
| CAT.NO.                      | EM3607T-G    |      |     |    |      |   |       |  |       |
| SPEC                         | 36M524S916G1 |      |     |    |      |   |       |  |       |
| HP                           | 1.5          |      |     |    |      |   |       |  |       |
| VOLTS                        | 208-230/460  |      |     |    |      |   |       |  |       |
| AMPS                         | 5-4.8/2.4    |      |     |    |      |   |       |  |       |
| RPM                          | 1170         |      |     |    |      |   |       |  |       |
| FRAME                        | 182T         |      | HZ  |    | 60   |   | PH    |  | 3     |
| SF                           | 1.15         | CODE |     | K  | DES  | B | CLASS |  | H     |
| NEMA NOM. EFF                | 87.5         | PF   |     | 67 |      |   |       |  |       |
| RATING                       | 40C AMB-CONT |      |     |    |      |   |       |  |       |
| CC                           | 010A         |      |     |    |      |   |       |  |       |
| ENCL                         | TEFC         | SER  |     |    |      |   |       |  |       |
| DE                           | 6206         |      | ODE |    | 6205 |   |       |  |       |
| VPWM INVERTER READY          |              |      |     |    |      |   |       |  |       |
| CT6-60H(10:1)VT3-60H(20:1    |              |      |     |    |      |   |       |  |       |
| 50HZ 1.5HP 190/380V 4.8/2.4A |              |      |     |    |      |   |       |  | SF1.0 |

**Parts List**

| <b>Part number</b> | <b>Description</b>                       | <b>Quantity</b> |
|--------------------|------------------------------------------|-----------------|
| SA245062           | SA 36M524S916G1                          | 1.000 ea        |
| RA231949           | RA 36M524S916G1                          | 1.000 ea        |
| 36FN3000C01SP      | EXFN, PLASTIC, 5.25 OD, .912 ID          | 1.000 ea        |
| 36CB3004           | 36 CB CASTING W/1.09 DIA LEAD HOLE @ 6:0 | 1.000 ea        |
| 36GS1000SP         | GASKET-CONDUIT BOX, .06 THICK #SV-330 LE | 1.000 ea        |
| 51XB1016A08        | 10-16X 1/2HXWSSLD SERTYB                 | 2.000 ea        |
| 11XW1032G06        | 10-32 X .38, TAPTITE II, HEX WSHR SLTD U | 1.000 ea        |
| 36EP3104A01        | FREP MACH W/GRSR, RAISED FH PADS         | 1.000 ea        |
| HW5100A05          | WVY WSHR F/205 & 304 BRGS                | 1.000 ea        |
| 36EP3100A56        | ENDPLATE, MACH                           | 1.000 ea        |
| 10XN2520A24        | 1/4-20X 1 1/2 HEX HD X                   | 2.000 ea        |
| HW1001A25          | LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I | 2.000 ea        |
| HW4500A01          | 1641B(ALEMITE)400 UNIV, GREASE FITT      | 1.000 ea        |
| XY2520A12          | 1/4-20 HEX NUT, DIRECTIONAL SERRATIONS   | 4.000 ea        |
| 36FH4009A102       | IEC FH GREASER PRIMED                    | 1.000 ea        |
| 51XW1032A06        | 10-32 X .38, TAPTITE II, HEX WSHR SLTD S | 3.000 ea        |
| 36CB4516           | 750LIPPED CB LID - GALVANNEAL            | 1.000 ea        |
| 37GS1001SP         | GASKET, CONDUIT BOX LID, .06 THICK LEXID | 1.000 ea        |
| 51XW0832A07        | 8-32 X .44, TAPTITE II, HEX WSHR SLTD SE | 4.000 ea        |
| HW2501E16          | KEY, 1/4 SQ X 1.750                      | 1.000 ea        |
| HA7000A02          | KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA  | 1.000 ea        |
| 85XU0407S04        | 4X1/4 U DRIVE PIN STAINLESS              | 2.000 ea        |
| LB1459             | AEGIS SGR LABEL "AEGISLBL-100"           | 1.000 ea        |
| HW3200A01          | 3/8-16X3/4 EYEBOLT WELDED F/S            | 1.000 ea        |
| MJ1000A02          | GREASE, POLYREX EM EXXON                 | 0.050 lb        |
| 51XB1214A16        | 12-14X1.00 HXWSSLD SERTYB                | 1.000 ea        |
| MG1050Y01          | CELEROL BALDOR GOLD *5 GALLON BUCKET*    | 0.022 ga        |
| HA3101A25          | THRUBOLT 1/4-20 X 11.000 OHIO ROD        | 4.000 ea        |
| LC0005             | CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING  | 1.000 ea        |
| LB1624             | COMBINED WARNING LABEL, ISO/ANSI PICTOGR | 1.000 ea        |
| NP3441LUA          | AL SUPER-E VPWM INV RDY,UL EEV,NEMA PREM | 1.000 ea        |

|            |                                         |          |
|------------|-----------------------------------------|----------|
| 36PA1001   | PKG GRP, PRINT PK1017A07                | 1.000 ea |
| MN416A01   | TAG-INSTAL-MAINT no wire (2500 bx)11/25 | 1.000 ea |
| HW4500A01  | 1641B(ALEMITE)400 UNIV, GREASE FITT     | 1.000 ea |
| PE-0000001 | ZRTG PE ASSEMBLY                        | 1.000 ea |
| FE-0000001 | ZRTG FE ASSEMBLY                        | 1.000 ea |

Typical performance - not guaranteed values

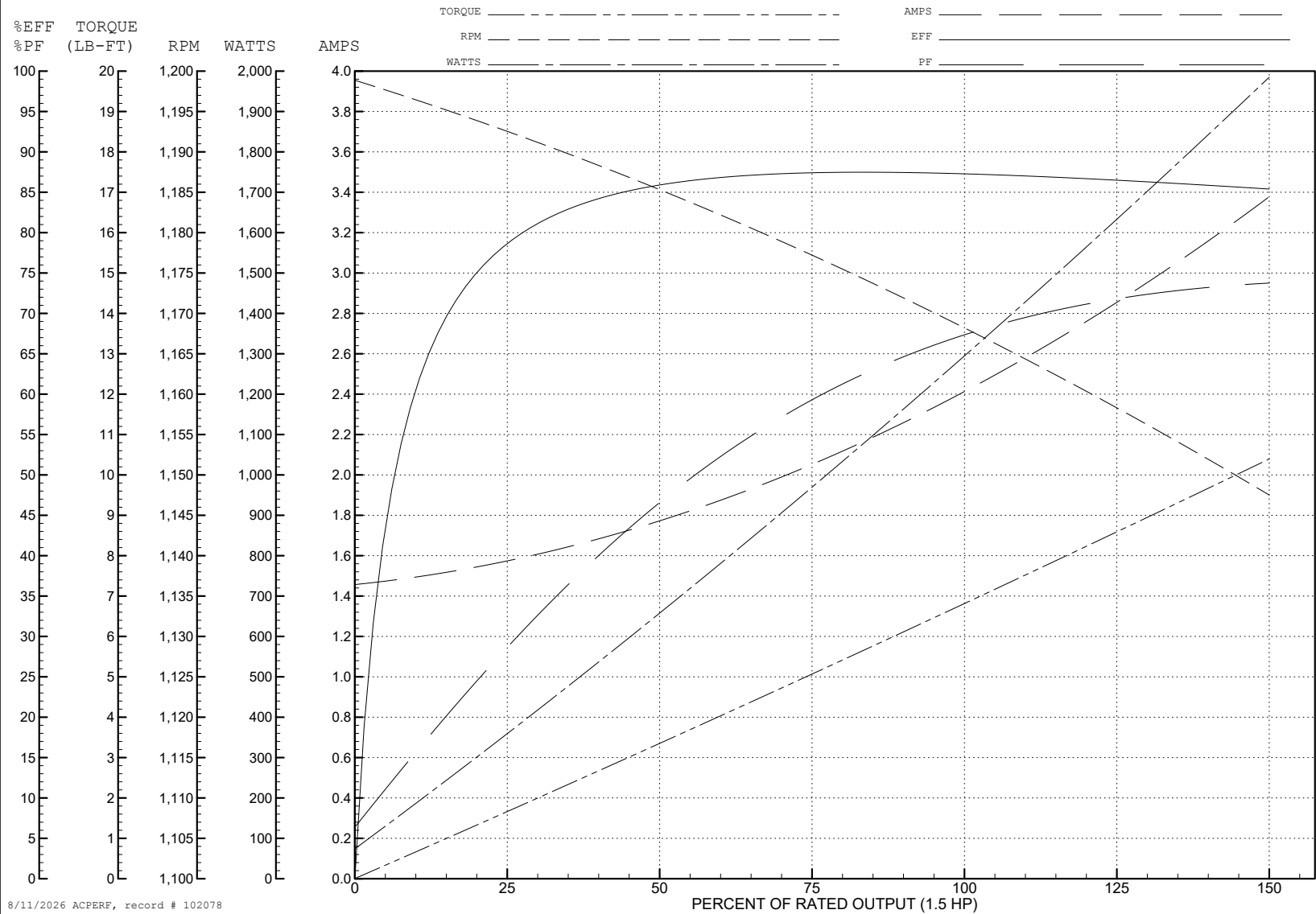
ABB Motors and Mechanical Inc.

WINDING # 36WGS916

Typical performance - not guaranteed values.

1.5 HP 3 PH 60 HZ 1170 RPM 460 V 3632M

TORQUES (LB-FT): PO=23.8 PU=12.5 LR=15.3 LRA=15.8





CD0005



- 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.

|                                           |         |                         |              |
|-------------------------------------------|---------|-------------------------|--------------|
| REV. DESC: REVISE TO SHOW OPTIONAL COLORS |         |                         |              |
| REV. LTR: E                               | BY: JLP | REVISED: 01/19/99 10:15 | TDR: 0171435 |
| S00000                                    |         | FILE: AAA00005140       | MDL: -       |
|                                           |         | MTL: -                  |              |

**BALDOR ELECTRIC Co.**

3PH, DV, 9 LEADS

CD0005