

# ABB BALDOR RELIANCE III

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## Customer information packet

### EBM3611T

3HP, 1764RPM, 3PH, 60HZ, 182T, 3630M, TEFC, F1

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>             | 3.000 HP @ 60 HZ                                            |
| <b>Phase</b>                          | 3                                                           |
| <b>Synchronous Speed @ Frequency</b>  | 1800 RPM @ 60 HZ                                            |
| <b>Voltage @ Frequency</b>            | 230.0 V @ 60 HZ<br>460.0 V @ 60 HZ                          |
| <b>Agency Approvals</b>               | CURUSEEV<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>              | 4.160 A @ 460.0 V<br>8.320 A @ 230.0 V<br>8.800 A @ 208.0 V |
| <b>Design Code</b>                    | B                                                           |
| <b>Drip Cover</b>                     | No Drip Cover                                               |
| <b>Duty Rating</b>                    | CONT                                                        |
| <b>Efficiency @ 100% Load</b>         | 89.5 %                                                      |
| <b>Electrically Isolated Bearing</b>  | Not Electrically Isolated                                   |
| <b>Feedback Device</b>                | NO FEEDBACK                                                 |
| <b>Front Shaft Indicator</b>          | None                                                        |
| <b>Heater Indicator</b>               | No Heater                                                   |
| <b>High Voltage Full Load Amps</b>    | 4.2 a                                                       |

**Part Detail**

|                     |            |
|---------------------|------------|
| <b>Revision</b>     | C          |
| <b>Type</b>         | AC         |
| <b>Mech. spec.</b>  | 36R030     |
| <b>Base</b>         |            |
| <b>Status</b>       | PRD/A      |
| <b>Elec. spec.</b>  | 36WGZ650   |
| <b>Layout</b>       | 36LYR030   |
| <b>Eff. date</b>    | 04-16-2026 |
| <b>CD Diagram</b>   | CD0005     |
| <b>Poles</b>        | 04         |
| <b>Leads</b>        | 9#16       |
| <b>Proprietary</b>  | False      |
| <b>Created date</b> | 11-05-2025 |

|                                      |                     |
|--------------------------------------|---------------------|
| <b>Insulation Class</b>              | F                   |
| <b>Inverter Code</b>                 | Inverter Ready      |
| <b>KVA Code</b>                      | K                   |
| <b>Lifting Lugs</b>                  | No Lifting Lugs     |
| <b>Locked Bearing Indicator</b>      | No Locked Bearing   |
| <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>                    | 3630M               |
| <b>Mounting Arrangement</b>          | F1                  |
| <b>Number of Poles</b>               | 4                   |
| <b>Overall Length</b>                | 21.12 IN            |
| <b>Power Factor</b>                  | 74                  |
| <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 Ground Indicator</b>        | No Shaft Grounding  |
| <b>Shaft Rotation</b>                | Reversible          |
| <b>Shaft Slinger Indicator</b>       | No Slinger          |
| <b>Speed</b>                         | 1764 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                |
| <b>Winding Thermal 2</b>             | None                |

**Nameplate**

| NP1259L      |               |      |     |      |   |    |   |    |   |  |  |
|--------------|---------------|------|-----|------|---|----|---|----|---|--|--|
| CAT.NO.      | EBM3611T      |      |     |      |   |    |   |    |   |  |  |
| SPEC.        | 36R030Z650    |      |     |      |   |    |   |    |   |  |  |
| HP           | 3             |      |     |      |   |    |   |    |   |  |  |
| VOLTS        | 230/460       |      |     |      |   |    |   |    |   |  |  |
| AMP          | 8.4/4.2       |      |     |      |   |    |   |    |   |  |  |
| RPM          | 1765          |      |     |      |   |    |   |    |   |  |  |
| FRAME        | 182T          |      | HZ  | 60   |   |    |   | PH | 3 |  |  |
| SER.F.       | 1.15          | CODE | K   | DES  | B | CL | F |    |   |  |  |
| NEMA-NOM-EFF | 89.5          | PF   | 74  |      |   |    |   |    |   |  |  |
| RATING       | 40C AMB-CONT  |      |     |      |   |    |   |    |   |  |  |
| CC           | 010A          |      |     |      |   |    |   |    |   |  |  |
| DE           | 6206          |      | ODE | 6205 |   |    |   |    |   |  |  |
| ENCL         | TEFC          | SN   |     |      |   |    |   |    |   |  |  |
|              | SFA 9.28/4.64 |      |     |      |   |    |   |    |   |  |  |

**Parts List**

| Part number   | Description                              | Quantity |
|---------------|------------------------------------------|----------|
| SA443012      | SA 36R030Z650                            | 1.000 ea |
| RA435508      | RA 36R030Z650                            | 1.000 ea |
| 36FN3000C01SP | EXFN, PLASTIC, 5.25 OD, .912 ID          | 1.000 ea |
| 36CB3000SP    | CONDUIT BOX, CAST                        | 1.000 ea |
| 36GS1000SP    | GASKET-CONDUIT BOX, .06 THICK #SV-330 LE | 1.000 ea |
| 51XB1016A07   | 10-16 X 7/16 HXWSSLD SERTYB              | 2.000 ea |
| 11XW1032G06   | 10-32 X .38, TAPTITE II, HEX WSHR SLTD U | 1.000 ea |
| HW3001B01     | BRASS CUP WASHER, FOR #10 SCREW          | 1.000 ea |
| 36EP1303A50   | FR ENDPLATE, TAP FOR T-BOLT, W/O TIGHTSL | 1.000 ea |
| HW4500A01     | 1641B(ALEMITE)400 UNIV, GREASE FITT      | 1.000 ea |
| HW5100A05     | WVY WSHR F/205 & 304 BRGS                | 1.000 ea |
| 36EP3100A01SP | PUEP ASSEMBLY FOR ROUTING PURPOSES       | 1.000 ea |
| HW4500A01     | 1641B(ALEMITE)400 UNIV, GREASE FITT      | 1.000 ea |
| BR1003A01     | BRAKE RELEASE LEVER                      | 1.000 ea |
| HW2501D08     | KEY, 3/16 SQ X .875 AUTO                 | 1.000 ea |
| 51XB1016A07   | 10-16 X 7/16 HXWSSLD SERTYB              | 1.000 ea |
| 51XB1214A16   | 12-14X1.00 HXWSSLD SERTYB                | 1.000 ea |
| 35FH5000A08   | FAN COVER ASSY FOR BRAKE MTRS,W/ PRIMER  | 1.000 ea |
| HA1014A02SP   | SPL SPACER FOR FAN COVER MTD ON BRAKE    | 3.000 ea |
| 51XW1032A06   | 10-32 X .38, TAPTITE II, HEX WSHR SLTD S | 3.000 ea |
| 35CB4514GX    | CONDUIT BOX LID KIT                      | 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 |
| 85XU0407S04   | 4X1/4 U DRIVE PIN STAINLESS              | 2.000 ea |
| MJ1000A02     | GREASE, POLYREX EM EXXON                 | 0.050 lb |
| 84XN3816J28   | HEX SOC HD, 3/8-16 X 1.75 LONG           | 2.000 ea |
| 35FN3002A05SP | EXFN, PLASTIC, 6.376 OD, .638 ID         | 1.000 ea |
| HA3101A25     | THRUBOLT 1/4-20 X 11.000 OHIO ROD        | 4.000 ea |
| 76BK4100DQF   | 1-056-041-00-DQF BRAKE TDR# 79345        | 1.000 ea |
| MG1050Y01     | CELEROL BALDOR GOLD *5 GALLON BUCKET*    | 0.022 ga |
| LB1404        | BRAKE CONNECTION LABEL                   | 1.000 ea |

|          |                                          |          |
|----------|------------------------------------------|----------|
| LC0005   | CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING  | 1.000 ea |
| NP1259L  | ALUM SUPER-E UL CC NEMA PREMIUM A60      | 1.000 ea |
| LB1624   | COMBINED WARNING LABEL, ISO/ANSI PICTOGR | 1.000 ea |
| GOPA1000 | PKG GRP, PRINT PK1026A06                 | 1.000 ea |
| MN416A01 | TAG-INSTAL-MAINT no wire (2500 bx)11/25  | 1.000 ea |

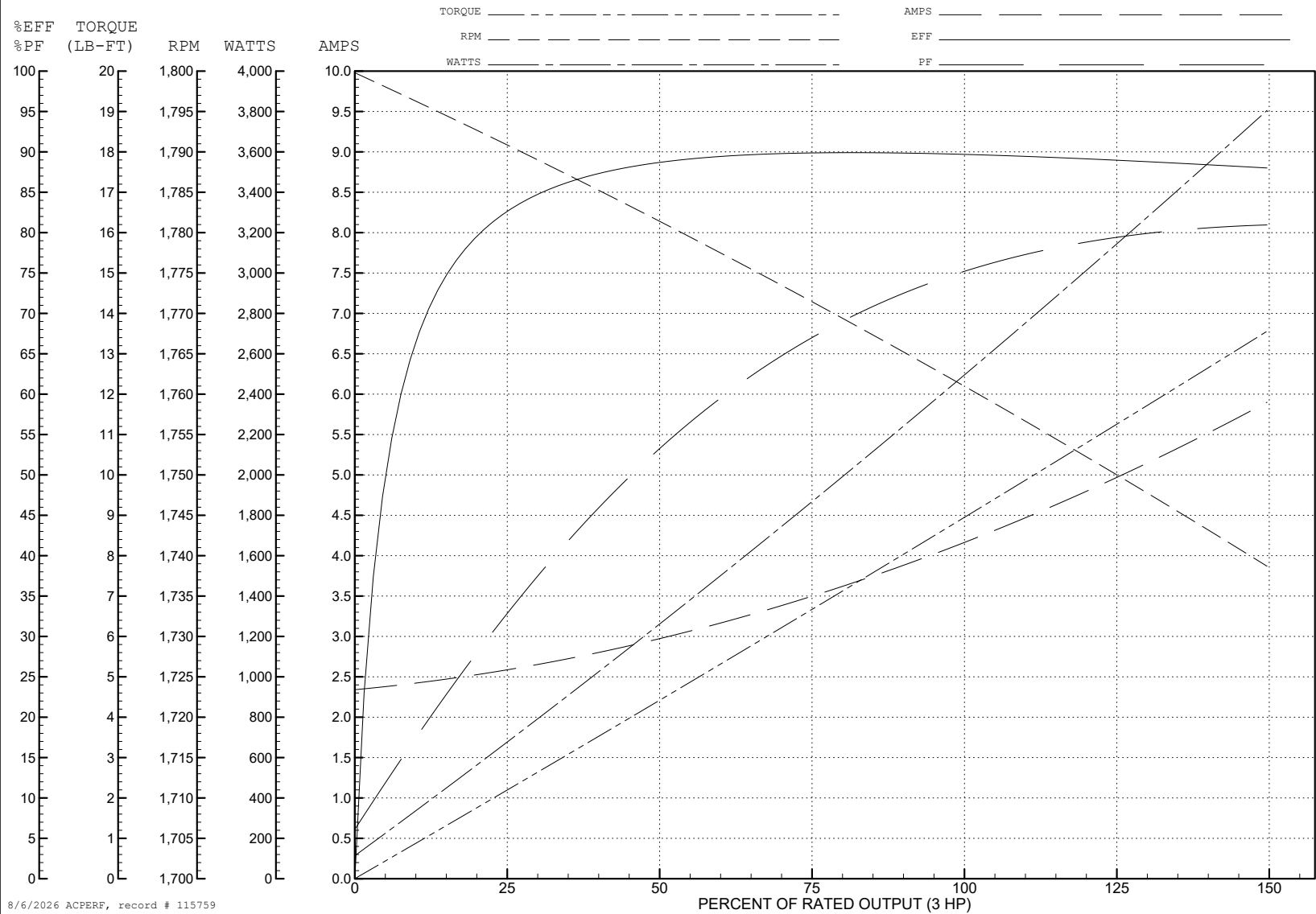
ABB Motors and Mechanical Inc.

WINDING # 36WGZ650

Typical performance - not guaranteed values.

3 HP 3 PH 60 HZ 1765 RPM 460 V 3630M

TORQUES (LB-FT): PO=38.2 PU=19.1 LR=22.4 LRA=32.2



8/6/2026 ACPERF, record # 115759





