

# ABB BALDOR RELIANCE III

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## Customer information packet

### CEWDM3610T

3HP, 3450RPM, 3PH, 60HZ, 182TC, 3532M, TEFC, F1

Class - None

Division - Not Applicable

**Specifications**

|                                       |                                                             |
|---------------------------------------|-------------------------------------------------------------|
| <b>Enclosure</b>                      | TEFC                                                        |
| <b>Frame</b>                          | 182TC                                                       |
| <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>  | 3600 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>              | 7.200 A @ 230.0 V<br>7.900 A @ 208.0 V<br>3.600 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>         | 86.5 %                                                      |
| <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>     | AH         |
| <b>Type</b>         | AC         |
| <b>Mech. spec.</b>  | 35MM213    |
| <b>Base</b>         |            |
| <b>Status</b>       | PRD/A      |
| <b>Elec. spec.</b>  | 35WGQ060   |
| <b>Layout</b>       | 35LYMM213  |
| <b>Eff. date</b>    | 02-14-2024 |
| <b>CD Diagram</b>   | CD0005     |
| <b>Poles</b>        | 02         |
| <b>Leads</b>        | 9#18       |
| <b>Proprietary</b>  | False      |
| <b>Created date</b> | 06-14-2010 |

|                                      |                     |
|--------------------------------------|---------------------|
| <b>Heater Indicator</b>              | No Heater           |
| <b>High Voltage Full Load Amps</b>   | 3.6 a               |
| <b>Insulation Class</b>              | F                   |
| <b>Inverter Code</b>                 | Inverter Ready      |
| <b>KVA Code</b>                      | L                   |
| <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 @ 18 AWG          |
| <b>Motor Lead Termination</b>        | Flying Leads        |
| <b>Motor Standards</b>               | NEMA                |
| <b>Motor Type</b>                    | 3532M               |
| <b>Mounting Arrangement</b>          | F1                  |
| <b>Number of Poles</b>               | 2                   |
| <b>Overall Length</b>                | 15.18 IN            |
| <b>Power Factor</b>                  | 92                  |
| <b>Product Family</b>                | Wash Down           |
| <b>Pulley End Bearing Type</b>       | Sealed Bearing      |
| <b>Pulley Face Code</b>              | C-Face              |
| <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>                | 1.125 IN            |
| <b>Shaft Extension Location</b>      | Pulley End          |
| <b>Shaft Ground Indicator</b>        | No Shaft Grounding  |
| <b>Shaft Rotation</b>                | Reversible          |
| <b>Shaft Slinger Indicator</b>       | Shaft Slinger       |
| <b>Speed</b>                         | 3450 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 |



|                   |      |
|-------------------|------|
| Winding Thermal 1 | None |
| Winding Thermal 2 | None |

**Nameplate**

| NP1669L      |                |      |     |      |   |       |    |   |  |
|--------------|----------------|------|-----|------|---|-------|----|---|--|
| CAT.NO.      | CEWDM3610T     |      |     |      |   |       |    |   |  |
| SPEC.        | 35MM213Q060G1  |      |     |      |   |       |    |   |  |
| HP           | 3              |      |     |      |   |       |    |   |  |
| VOLTS        | 230/460        |      |     |      |   |       |    |   |  |
| AMP          | 7.2/3.6        |      |     |      |   |       |    |   |  |
| RPM          | 3450           |      |     |      |   |       |    |   |  |
| FRAME        | 182TC          |      | HZ  | 60   |   |       | PH | 3 |  |
| SER.F.       | 1.15           | CODE | L   | DES  | B | CLASS | F  |   |  |
| NEMA-NOM-EFF | 86.5           | PF   | 92  |      |   |       |    |   |  |
| RATING       | 40C AMB-CONT   |      |     |      |   |       |    |   |  |
| CC           | 010A           |      |     |      |   |       |    |   |  |
| DE           | 6206           |      | ODE | 6203 |   |       |    |   |  |
| ENCL         | TEFC           | SN   |     |      |   |       |    |   |  |
| BLANK        | 20:1CT, 20:1VT |      |     |      |   |       |    |   |  |

**Parts List**

| Part number   | Description                              | Quantity |
|---------------|------------------------------------------|----------|
| SA198572      | SA 35MM213Q060G1                         | 1.000 ea |
| RA185939      | RA 35MM213Q060G1                         | 1.000 ea |
| 34FN3002B01   | EXTERNAL FAN, PLASTIC, .637/.639 HUB W/  | 1.000 ea |
| NS2512A01     | INSULATOR, CONDUIT BOX X                 | 1.000 ea |
| 35CB3010A01G  | 35 CB .75 NPT @ 6:00 (GRAY)              | 1.000 ea |
| 35GS1040      | 35 MOLDED GASKET W/LIP, LEAD SEAL,       | 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 |
| 35EP3122B00W  | MASTER ODE,203 BRG,.683SH,.125NPT DRNS,F | 1.000 ea |
| HW5100A03     | WAVY WASHER (W1543-017)                  | 1.000 ea |
| HW4072A01     | BLACK DRAIN PLUG FOR .125 NPT            | 3.000 ea |
| HW4032A01     | BLACK DRAIN PLUG FOR WASH DOWN MOTORS    | 3.000 ea |
| HW4600B39SP   | V-RING SLINGER 0.550 X 0.790 X .18 VITON | 1.000 ea |
| 35EP3304A02MW | STD PULLEY 182-4TC ENCL 206 BRG (WHITE)  | 1.000 ea |
| HW4600B50     | SEAL 1.156 X 1.874 X 0.250 SINGLE LIP DB | 1.000 ea |
| 10XN2520S24   | 1/4-20X 1 1/2 HEX HD SS                  | 4.000 ea |
| HW4600B36SP   | V-RING SLINGER 1.188 X 1.380 X .24 VITON | 1.000 ea |
| 35FH4005A32   | IEC FH NO GRSR W/3 HOLES - PRIMED        | 1.000 ea |
| 11XW1032S06   | 10-32 X .38, TAPTITE II, HEX WSHR SLTD U | 3.000 ea |
| 35CB4522      | 35 LIPPED CB LID PRIMED                  | 1.000 ea |
| 35GS1030A02   | 35 GS FOR CB LID - WHITE NEOPRENE        | 1.000 ea |
| 59XW0832S07   | TAPTITE II,HEX WSHR UNSLTD SER,410 S.S., | 4.000 ea |
| MJ5001A27     | 32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL  | 0.001 qt |
| 85XU0407S04   | 4X1/4 U DRIVE PIN STAINLESS              | 2.000 ea |
| LB1164        | LABEL,WARNING AND DRAIN                  | 1.000 ea |
| HA5027A02     | HA4054 T-DRAIN X2 BAGGED WITH LABEL      | 1.000 ea |
| MJ1000A02     | GREASE, POLYREX EM EXXON                 | 0.050 lb |
| MG1025Z02     | ACTIVATOR WILKOFAS 060.02HF 55 GALLON    | 0.010 ga |
| MG1025W01     | WILKOFAS 781.01, SIGNAL WHITE #9003      | 0.017 ga |
| HA3100S15     | THRUBOLT - 10-32 X 9.375                 | 4.000 ea |
| HW2502E16     | #303 SS,SQ KEY 1/4 X 1.750               | 1.000 ea |

|            |                                         |          |
|------------|-----------------------------------------|----------|
| HA7000A02  | KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA | 1.000 ea |
| LC0005     | CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING | 1.000 ea |
| MN416A01   | TAG-INSTAL-MAINT no wire (2500 bx)11/25 | 1.000 ea |
| NP1669L    | SS WD SUPER-E UL PREM REV MTG           | 1.000 ea |
| 36PA1000   | PKG GRP, PRINT PK1016A08                | 1.000 ea |
| FE-0000001 | ZRTG FE ASSEMBLY                        | 1.000 ea |

ABB Motors and Mechanical Inc.

WINDING # 35WGQ060

Typical performance - not guaranteed values.

3 HP 3 PH 60 HZ 3450 RPM 460 V 3532M

TORQUES (LB-FT): PO=18 PU=11 LR=16 LRA=33

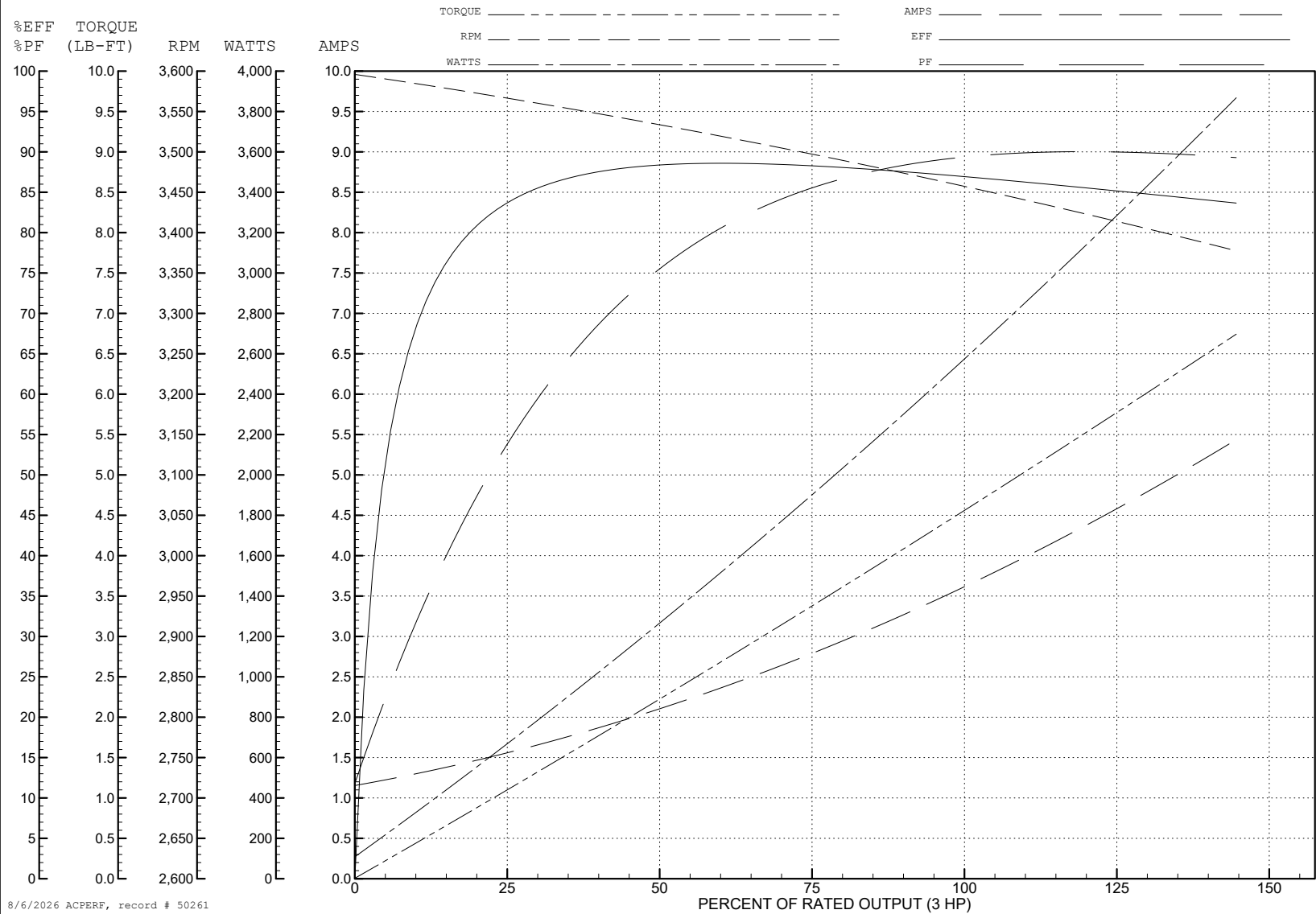


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Typical performance - not guaranteed values.

3 HP 3 PH 60 HZ 3450 RPM 230 V 3532M

TORQUES (LB-FT): PO=18 PU=11 LR=16 LRA=66

