

# ABB BALDOR RELIANCE III

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## Customer information packet

### L3606T

3HP, 3450RPM, 1PH, 60HZ, 182T, 3634L, TEFC, F1

Class - None

Division - Not Applicable

**Specifications**

|                                |                                                                |
|--------------------------------|----------------------------------------------------------------|
| Enclosure                      | TEFC                                                           |
| Frame                          | 182T                                                           |
| Frame Material                 | Steel                                                          |
| Frequency                      | 60.00 Hz                                                       |
| Haz Area Class and Group       | None                                                           |
| Haz Area Division              | Not Applicable                                                 |
| Motor Letter Type              | Cap Start, Induction Run                                       |
| Output @ Frequency             | 3.000 HP @ 60 HZ                                               |
| Phase                          | 1                                                              |
| Synchronous Speed @ Frequency  | 3600 RPM @ 60 HZ                                               |
| Voltage @ Frequency            | 115.0 V @ 60 HZ<br>230.0 V @ 60 HZ                             |
| Agency Approvals               | C UR US                                                        |
| Ambient Temperature            | 40 °C                                                          |
| Auxiliary Box                  | NO AUXILLARY BOX                                               |
| Auxiliary Box Lead Termination | None                                                           |
| Base Indicator                 | Rigid                                                          |
| Bearing Grease Type            | Polyrex EM (-20F +300F)                                        |
| Blower                         | None                                                           |
| Current @ Voltage              | 14.500 A @ 230.0 V<br>15.000 A @ 208.0 V<br>29.000 A @ 115.0 V |
| Design Code                    | L                                                              |
| Drip Cover                     | No Drip Cover                                                  |
| Duty Rating                    | CONT                                                           |
| Efficiency @ 100% Load         | 76.0 %                                                         |
| Electrically Isolated Bearing  | Not Electrically Isolated                                      |
| Feedback Device                | NO FEEDBACK                                                    |
| Front Face Code                | Standard                                                       |
| Front Shaft Indicator          | None                                                           |
| Heater Indicator               | No Heater                                                      |
| High Voltage Full Load Amps    | 14.5 a                                                         |

**Part Detail**

|              |                     |
|--------------|---------------------|
| Revision     | AE                  |
| Type         | AC                  |
| Mech. spec.  | 36C001              |
| Base         |                     |
| Status       | PRD/A               |
| Elec. spec.  | 36WG0201            |
| Layout       | 36LYC001            |
| Eff. date    | 07-23-2026          |
| CD Diagram   | CD0001              |
| Poles        | 02                  |
| Leads        | 4#14 A PH,2#16 B PH |
| Proprietary  | False               |
| Created date | 01-01-0001          |

|                                      |                            |
|--------------------------------------|----------------------------|
| <b>Insulation Class</b>              | <b>F</b>                   |
| <b>Inverter Code</b>                 | <b>Not Inverter</b>        |
| <b>KVA Code</b>                      | <b>G</b>                   |
| <b>Lifting Lugs</b>                  | <b>No Lifting Lugs</b>     |
| <b>Locked Bearing Indicator</b>      | <b>No Locked Bearing</b>   |
| <b>Motor Lead Exit</b>               | <b>Ko Box</b>              |
| <b>Motor Lead Quantity/Wire Size</b> | <b>4 @ 14 AWG, A PH</b>    |
| <b>Motor Lead Termination</b>        | <b>Flying Leads</b>        |
| <b>Motor Standards</b>               | <b>NEMA</b>                |
| <b>Motor Type</b>                    | <b>3634L</b>               |
| <b>Mounting Arrangement</b>          | <b>F1</b>                  |
| <b>Number of Poles</b>               | <b>2</b>                   |
| <b>Overall Length</b>                | <b>16.56 IN</b>            |
| <b>Power Factor</b>                  | <b>87</b>                  |
| <b>Product Family</b>                | <b>General Purpose</b>     |
| <b>Pulley End Bearing Type</b>       | <b>Ball</b>                |
| <b>Pulley Face Code</b>              | <b>Standard</b>            |
| <b>Pulley Shaft Indicator</b>        | <b>Standard</b>            |
| <b>Rodent Screen</b>                 | <b>None</b>                |
| <b>Service Factor</b>                | <b>1.15</b>                |
| <b>Shaft Diameter</b>                | <b>1.125 IN</b>            |
| <b>Shaft Extension Location</b>      | <b>Pulley End</b>          |
| <b>Shaft Ground Indicator</b>        | <b>No Shaft Grounding</b>  |
| <b>Shaft Rotation</b>                | <b>Reversible</b>          |
| <b>Shaft Slinger Indicator</b>       | <b>No Slinger</b>          |
| <b>Speed</b>                         | <b>3450 rpm</b>            |
| <b>Speed Code</b>                    | <b>Single Speed</b>        |
| <b>Starting Method</b>               | <b>Direct on line</b>      |
| <b>Thermal Device - Bearing</b>      | <b>None</b>                |
| <b>Thermal Device - Winding</b>      | <b>None</b>                |
| <b>Vibration Sensor Indicator</b>    | <b>No Vibration Sensor</b> |
| <b>Winding Thermal 1</b>             | <b>None</b>                |
| <b>Winding Thermal 2</b>             | <b>None</b>                |

**Nameplate**

| NP1256L      |              |      |     |      |   |       |    |   |  |
|--------------|--------------|------|-----|------|---|-------|----|---|--|
| CAT.NO.      | L3606T       |      |     |      |   |       |    |   |  |
| SPEC.        | 36C01-201    |      |     |      |   |       |    |   |  |
| HP           | 3            |      |     |      |   |       |    |   |  |
| VOLTS        | 115/230      |      |     |      |   |       |    |   |  |
| AMP          | 29/14.5      |      |     |      |   |       |    |   |  |
| RPM          | 3450         |      |     |      |   |       |    |   |  |
| FRAME        | 182T         |      | HZ  | 60   |   |       | PH | 1 |  |
| SER.F.       | 1.15         | CODE | G   | DES  | L | CLASS | F  |   |  |
| NEMA-NOM-EFF | 76           | PF   | 87  |      |   |       |    |   |  |
| RATING       | 40C AMB-CONT |      |     |      |   |       |    |   |  |
| CC           |              |      |     |      |   |       |    |   |  |
| DE           | 6206         |      | ODE | 6205 |   |       |    |   |  |
| ENCL         | TEFC         | SN   |     |      |   |       |    |   |  |

**Accessories**

| Part number   | Description                             | Multiplier |
|---------------|-----------------------------------------|------------|
| 36-3301       | C FACE KIT                              | A8         |
| 36EP1304A62SP | FLANGE MTD ENDPLATE 182-4TD -ENCL (LESS | A8         |

**AC Induction Motor Performance Data**

Record # 29181

Typical performance - not guaranteed values

| Winding: 36WG0201-R001 |    |              | Type: 3634L                              |                         | Enclosure: TEFC       |          |                              |
|------------------------|----|--------------|------------------------------------------|-------------------------|-----------------------|----------|------------------------------|
| Nameplate Data         |    |              | 230 V, 60 Hz:<br>High Voltage Connection |                         |                       |          |                              |
| Rated Output (HP)      |    | 3            | Full Load Torque                         |                         | 4.5 LB-FT             |          |                              |
| Volts                  |    | 115/230      | Start Configuration                      |                         | direct on line        |          |                              |
| Full Load Amps         |    | 29/14.5      | Breakdown Torque                         |                         | 14 LB-FT              |          |                              |
| R.P.M.                 |    | 3450         | Pull-up Torque                           |                         | 8 LB-FT               |          |                              |
| Hz                     | 60 | Phase        | 1                                        | Locked-rotor Torque     |                       | 10 LB-FT |                              |
| NEMA Design Code       |    | L            | KVA Code                                 | G                       | Starting Current      |          | 86 A                         |
| Service Factor (S.F.)  |    | 1.15         |                                          | No-load Current         |                       | 5.5 A    |                              |
| NEMA Nom. Eff.         |    | 76           | Power Factor                             | 87                      | Line-line Res. @ 25°C |          | 0.588 Ω A Ph<br>0.896 Ω B Ph |
| Rating - Duty          |    | 40C AMB-CONT |                                          | Temp. Rise @ Rated Load |                       | 80°C     |                              |
| S.F. Amps              |    |              |                                          | Temp. Rise @ S.F. Load  |                       | 95°C     |                              |

**Load Characteristics 230 V, 60 Hz, 3 HP**

| % of Rated Load | 25   | 50   | 75   | 100  | 125  | 150  | S.F. |
|-----------------|------|------|------|------|------|------|------|
| Power Factor    | 70   | 83   | 88   | 91   | 92   | 92   | 92   |
| Efficiency      | 61   | 71   | 73.5 | 76   | 75   | 73   | 75.4 |
| Speed           | 3558 | 3526 | 3496 | 3457 | 3407 | 3356 | 3427 |
| Line amperes    | 7    | 9    | 11.5 | 14.5 | 18   | 21.8 | 16.6 |

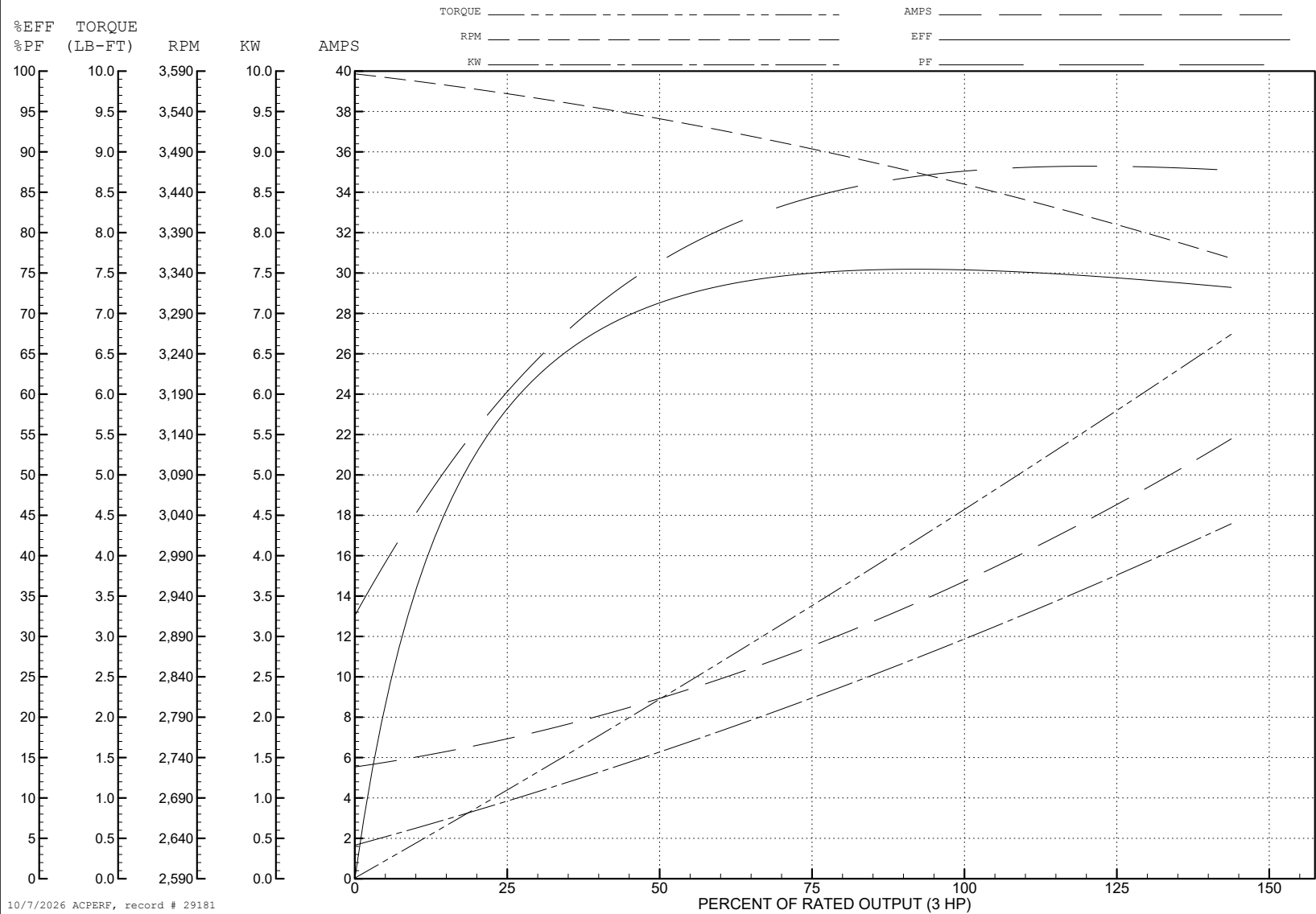
ABB Motors and Mechanical Inc.

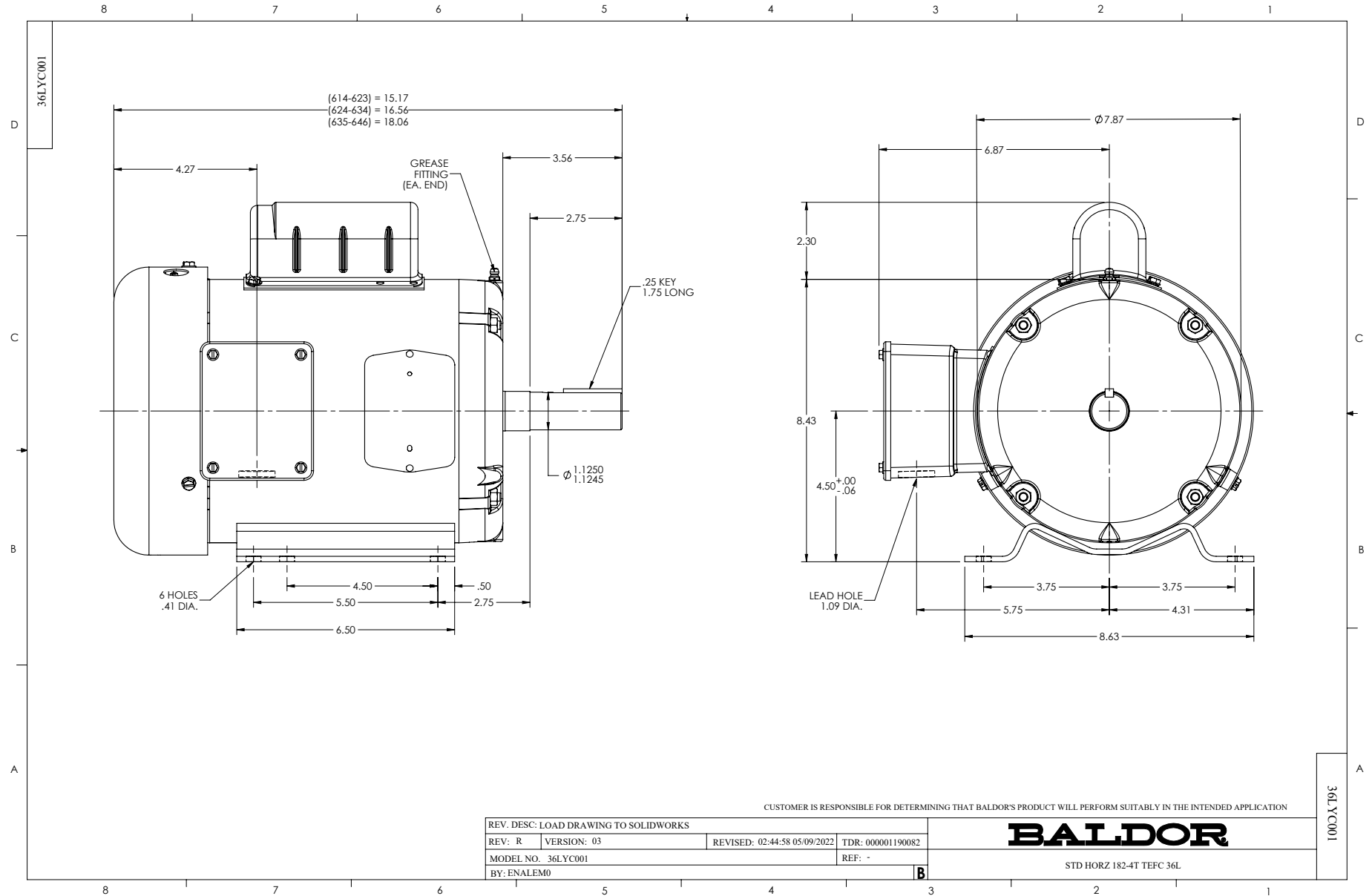
WINDING # 36WG0201

Typical performance - not guaranteed values.

3 HP 1 PH 60 HZ 3450 RPM 230 V 3634L

TORQUES (LB-FT): PO=14 PU=8 LR=10 LRA=86





CD0001

