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# Customer information packet

## L3607

1HP, 1140RPM, 1PH, 60HZ, 184, 3634L, TEFC, F1

Class - None

Division - Not Applicable

## Specifications

|                                |                                         |
|--------------------------------|-----------------------------------------|
| Enclosure                      | TEFC                                    |
| Frame                          | 184                                     |
| 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             | 1.000 HP @ 60 HZ                        |
| Phase                          | 1                                       |
| Synchronous Speed @ Frequency  | 1200 RPM @ 60 HZ                        |
| Voltage @ Frequency            | 115.0 V @ 60 HZ<br>230.0 V @ 60 HZ      |
| Agency Approvals               | UR<br>CSA                               |
| 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              | 14.000 A @ 115.0 V<br>7.000 A @ 230.0 V |
| Design Code                    | L                                       |
| Drip Cover                     | No Drip Cover                           |
| Duty Rating                    | CONT                                    |
| Efficiency @ 100% Load         | 67.0 %                                  |
| 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    | 7.0 a                                   |

## Part detail

|              |            |
|--------------|------------|
| Revision     | AE         |
| Type         | AC         |
| Mech. spec.  | 36C011     |
| Base         |            |
| Status       | PRD/A      |
| Elec. spec.  | 36WG0608   |
| Layout       | 36LYC011   |
| Eff. date    | 05-09-2024 |
| CD Diagram   | CD0001     |
| Poles        | 06         |
| Leads        | 6#16       |
| Proprietary  | False      |
| Created date | 01-01-0001 |

|                               |                     |
|-------------------------------|---------------------|
| Insulation Class              | F                   |
| Inverter Code                 | Not Inverter        |
| KVA Code                      | K                   |
| Lifting Lugs                  | No Lifting Lugs     |
| Locked Bearing Indicator      | No Locked Bearing   |
| Motor Lead Exit               | Ko Box              |
| Motor Lead Quantity/Wire Size | 6 @ 16 AWG          |
| Motor Lead Termination        | Flying Leads        |
| Motor Standards               | NEMA                |
| Motor Type                    | 3634L               |
| Mounting Arrangement          | F1                  |
| Number of Poles               | 6                   |
| Overall Length                | 15.69 IN            |
| Power Factor                  | 67                  |
| Product Family                | General Purpose     |
| Pulley End Bearing Type       | Ball                |
| Pulley Face Code              | Standard            |
| Pulley Shaft Indicator        | Standard            |
| Rodent Screen                 | None                |
| Service Factor                | 1.15                |
| Shaft Diameter                | 0.875 IN            |
| Shaft Extension Location      | Pulley End          |
| Shaft Ground Indicator        | No Shaft Grounding  |
| Shaft Rotation                | Reversible          |
| Shaft Slinger Indicator       | No Slinger          |
| Speed                         | 1140 rpm            |
| Speed Code                    | Single Speed        |
| Starting Method               | Direct on line      |
| Thermal Device - Bearing      | None                |
| Thermal Device - Winding      | None                |
| Vibration Sensor Indicator    | No Vibration Sensor |
| Winding Thermal 1             | None                |
| Winding Thermal 2             | None                |

## Nameplate

| NP1256L      |              |      |     |      |   |       |   |  |  |
|--------------|--------------|------|-----|------|---|-------|---|--|--|
| CAT.NO.      | L3607        |      |     |      |   |       |   |  |  |
| SPEC.        | 36C11-608    |      |     |      |   |       |   |  |  |
| HP           | 1            |      |     |      |   |       |   |  |  |
| VOLTS        | 115/230      |      |     |      |   |       |   |  |  |
| AMP          | 14/7         |      |     |      |   |       |   |  |  |
| RPM          | 1140         |      |     |      |   |       |   |  |  |
| FRAME        | 184          |      | HZ  | 60   |   | PH    | 1 |  |  |
| SER.F.       | 1.15         | CODE | K   | DES  | L | CLASS | F |  |  |
| NEMA-NOM-EFF | 63           | PF   | 67  |      |   |       |   |  |  |
| RATING       | 40C AMB-CONT |      |     |      |   |       |   |  |  |
| CC           |              |      |     |      |   |       |   |  |  |
| DE           | 6206         |      | ODE | 6205 |   |       |   |  |  |
| ENCL         | TEFC         | SN   |     |      |   |       |   |  |  |
|              |              |      |     |      |   |       |   |  |  |

**Accessories**

| Part number   | Description                             | Multiplier |
|---------------|-----------------------------------------|------------|
| 36-1037       | C FACE KIT                              | A8         |
| 36EP1304A62SP | FLANGE MTD ENDPLATE 182-4TD -ENCL (LESS | A8         |

## AC Induction Motor Performance Data

Record # 84295

Typical performance - not guaranteed values

| Winding: 36WG0608-R015 |    |              | Type: 3634L                              |                         | Enclosure: TEFC       |          |                                |
|------------------------|----|--------------|------------------------------------------|-------------------------|-----------------------|----------|--------------------------------|
| Nameplate Data         |    |              | 230 V, 60 Hz:<br>High Voltage Connection |                         |                       |          |                                |
| Rated Output (HP)      |    | 1            | Full Load Torque                         |                         | 4.528 LB-FT           |          |                                |
| Volts                  |    | 115/230      | Start Configuration                      |                         | direct on line        |          |                                |
| Full Load Amps         |    | 14/7         | Breakdown Torque                         |                         | 8.5 LB-FT             |          |                                |
| R.P.M.                 |    | 1140         | Pull-up Torque                           |                         | 7.88 LB-FT            |          |                                |
| Hz                     | 60 | Phase        | 1                                        | Locked-rotor Torque     |                       | 12 LB-FT |                                |
| NEMA Design Code       |    | L            | KVA Code                                 | K                       | Starting Current      |          | 34 A                           |
| Service Factor (S.F.)  |    | 1.15         |                                          | No-load Current         |                       | 5.33 A   |                                |
| NEMA Nom. Eff.         |    | 63           | Power Factor                             | 67                      | Line-line Res. @ 25°C |          | 2.1182 Ω A Ph<br>1.7738 Ω B Ph |
| Rating - Duty          |    | 40C AMB-CONT |                                          | Temp. Rise @ Rated Load |                       | 77°C     |                                |
| S.F. Amps              |    |              |                                          | Temp. Rise @ S.F. Load  |                       | 93°C     |                                |

## Load Characteristics 230 V, 60 Hz, 1 HP

| % of Rated Load | 25   | 50   | 75   | 100  | 125  | 150  | S.F. |
|-----------------|------|------|------|------|------|------|------|
| Power Factor    | 33   | 47   | 57   | 65   | 70   | 73   | 68   |
| Efficiency      | 46.2 | 59.5 | 63.2 | 63.2 | 60.6 | 54.6 | 61.6 |
| Speed           | 1187 | 1175 | 1162 | 1145 | 1123 | 1089 | 1132 |
| Line amperes    | 5.44 | 5.98 | 6.69 | 7.8  | 9.22 | 11.2 | 8.65 |

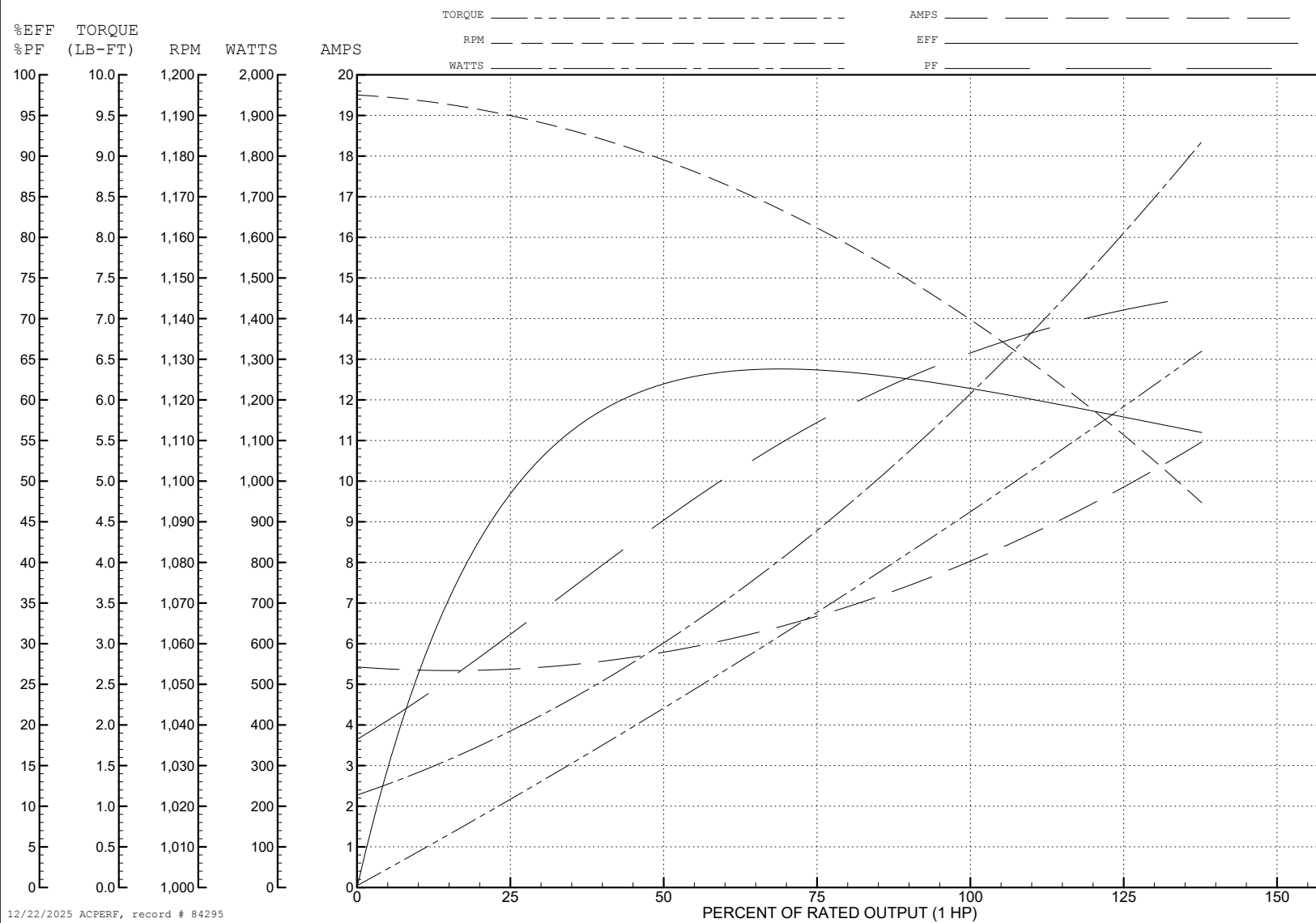
ABB Motors and Mechanical Inc.

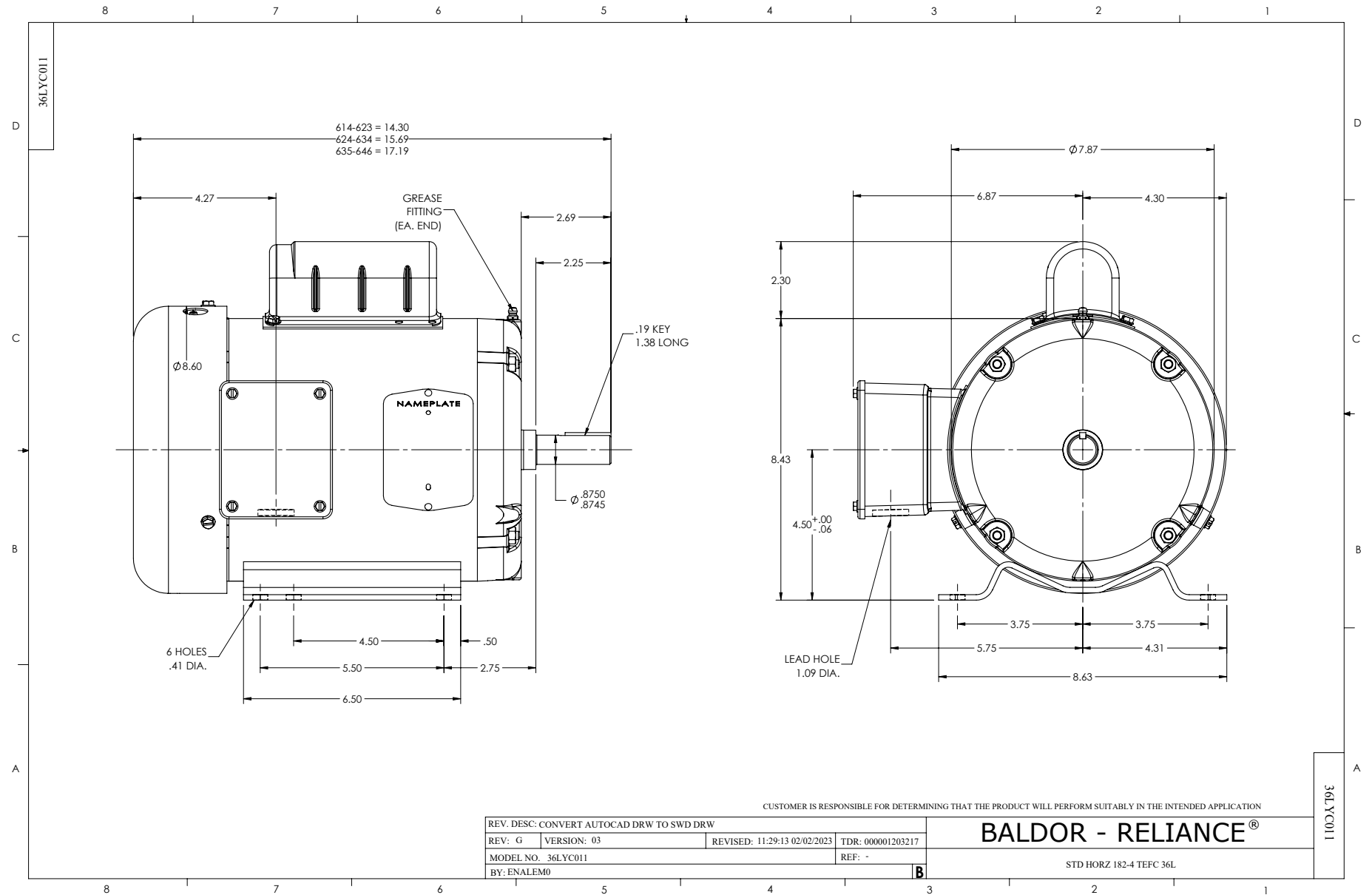
WINDING # 36WG0608

Typical performance - not guaranteed values.

1 HP 1 PH 60 HZ 1140 RPM 230 V 3634L

TORQUES (LB-FT): PO=8.5 PU=7.88 LR=12 LRA=34





CD0001

