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# Customer information packet

## M1208T

5/1.3HP, 1725/850RPM, 3PH, 60HZ, 184T, 3634M

Class - None

Division - Not Applicable

## Specifications

|                                |                                      |
|--------------------------------|--------------------------------------|
| Enclosure                      | OPEN                                 |
| Frame                          | 184T                                 |
| Frame Material                 | Steel                                |
| Frequency                      | 60.00 Hz                             |
| Haz Area Class and Group       | None                                 |
| Haz Area Division              | Not Applicable                       |
| Motor Letter Type              | Three Phase                          |
| Output @ Frequency             | 5.000 HP @ 60 HZ<br>1.300 HP @ 60 HZ |
| Phase                          | 3                                    |
| Synchronous Speed @ Frequency  | 1800 RPM @ 60 HZ                     |
| Voltage @ Frequency            | 460.0 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              | 6.600 A @ 460.0 V                    |
| Design Code                    | B                                    |
| Drip Cover                     | No Drip Cover                        |
| Duty Rating                    | CONT                                 |
| 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    | 2.5 a                                |
| Insulation Class               | F                                    |
| Inverter Code                  | Not Inverter                         |

## Part detail

|              |            |
|--------------|------------|
| Revision     | Z          |
| Type         | AC         |
| Mech. spec.  | 36B001     |
| Base         |            |
| Status       | PRD/A      |
| Elec. spec.  | 36WGW582   |
| Layout       | 36LYB001   |
| Eff. date    | 10-30-2025 |
| CD Diagram   | CD0032     |
| Poles        | 04/08      |
| Leads        | 6#16       |
| Proprietary  | False      |
| Created date | 01-01-0001 |

|                               |                     |
|-------------------------------|---------------------|
| KVA Code                      | J                   |
| 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                    | 3634M               |
| Mounting Arrangement          | F1                  |
| Number of Poles               | 4<br>8              |
| Overall Length                | 15.00 IN            |
| Product Family                | General Purpose     |
| Pulley End Bearing Type       | Ball                |
| Pulley Face Code              | Standard            |
| Pulley Shaft Indicator        | Standard            |
| Rodent Screen                 | None                |
| Service Factor                | 1.00                |
| Shaft Diameter                | 1.125 IN            |
| Shaft Extension Location      | Pulley End          |
| Shaft Ground Indicator        | No Shaft Grounding  |
| Shaft Rotation                | Reversible          |
| Shaft Slinger Indicator       | No Slinger          |
| Speed                         | 1725 rpm<br>850 rpm |
| Speed Code                    | 2S-1W-VT            |
| 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.      | M1208T       |      |     |      |   |       |   |  |  |
| SPEC.        | 36B01W582    |      |     |      |   |       |   |  |  |
| HP           | 5/1.3        |      |     |      |   |       |   |  |  |
| VOLTS        | 460          |      |     |      |   |       |   |  |  |
| AMP          | 6.6/2.5      |      |     |      |   |       |   |  |  |
| RPM          | 1725/850     |      |     |      |   |       |   |  |  |
| FRAME        | 184T         |      | HZ  | 60   |   | PH    | 3 |  |  |
| SER.F.       | 1.15         | CODE | J   | DES  | B | CLASS | F |  |  |
| NEMA-NOM-EFF |              | PF   |     |      |   |       |   |  |  |
| RATING       | 40C AMB-CONT |      |     |      |   |       |   |  |  |
| CC           |              |      |     |      |   |       |   |  |  |
| DE           | 6206         |      | ODE | 6205 |   |       |   |  |  |
| ENCL         | OPEN         | SN   |     |      |   |       |   |  |  |
|              |              |      |     |      |   |       |   |  |  |

**Accessories**

| Part number   | Description  | Multiplier |
|---------------|--------------|------------|
| 36-3403       | C FACE KIT   | A8         |
| 36EP1405A09SP | D-FLANGE KIT | A8         |

## AC Induction Motor Performance Data

Record # 36961

Typical performance - not guaranteed values

| Winding: 36WGW582-R001 |          |          | Type: 3634M                            |   | Enclosure: TEFC         |                       |      |        |
|------------------------|----------|----------|----------------------------------------|---|-------------------------|-----------------------|------|--------|
| Nameplate Data         |          |          | 460 V, 60 Hz:<br>High Speed Connection |   |                         |                       |      |        |
| Rated Output (HP)      |          | 5/1.3    | Full Load Torque                       |   | 15.3 LB-FT              |                       |      |        |
| Volts                  |          | 460      | Start Configuration                    |   | direct on line          |                       |      |        |
| Full Load Amps         |          | 6.6/2.5  | Breakdown Torque                       |   | 50 LB-FT                |                       |      |        |
| R.P.M.                 |          | 1725/850 | Pull-up Torque                         |   | 31 LB-FT                |                       |      |        |
| Hz                     | 60 Phase | 3        | Locked-rotor Torque                    |   | 34 LB-FT                |                       |      |        |
| NEMA Design Code       |          | B        | KVA Code                               | J | Starting Current        |                       | 48 A |        |
| Service Factor (S.F.)  |          | 1        | No-load Current                        |   | 3.2 A                   |                       |      |        |
| NEMA Nom. Eff.         |          | 0        | Power Factor                           |   | 0                       | Line-line Res. @ 25°C |      | 3.95 Ω |
| Rating - Duty          |          | 40C      | AMB-CONT                               |   | Temp. Rise @ Rated Load |                       | 67°C |        |

## Load Characteristics 460 V, 60 Hz, 5 HP

| % of Rated Load | 25   | 50   | 75   | 100  | 125  | 150  |
|-----------------|------|------|------|------|------|------|
| Power Factor    | 48   | 69   | 80   | 86   | 87   | 87   |
| Efficiency      | 72.3 | 80.9 | 83.2 | 82.9 | 81.6 | 80   |
| Speed           | 1780 | 1762 | 1743 | 1720 | 1698 | 1670 |
| Line amperes    | 3.5  | 4.3  | 5.4  | 6.6  | 8.1  | 9.8  |

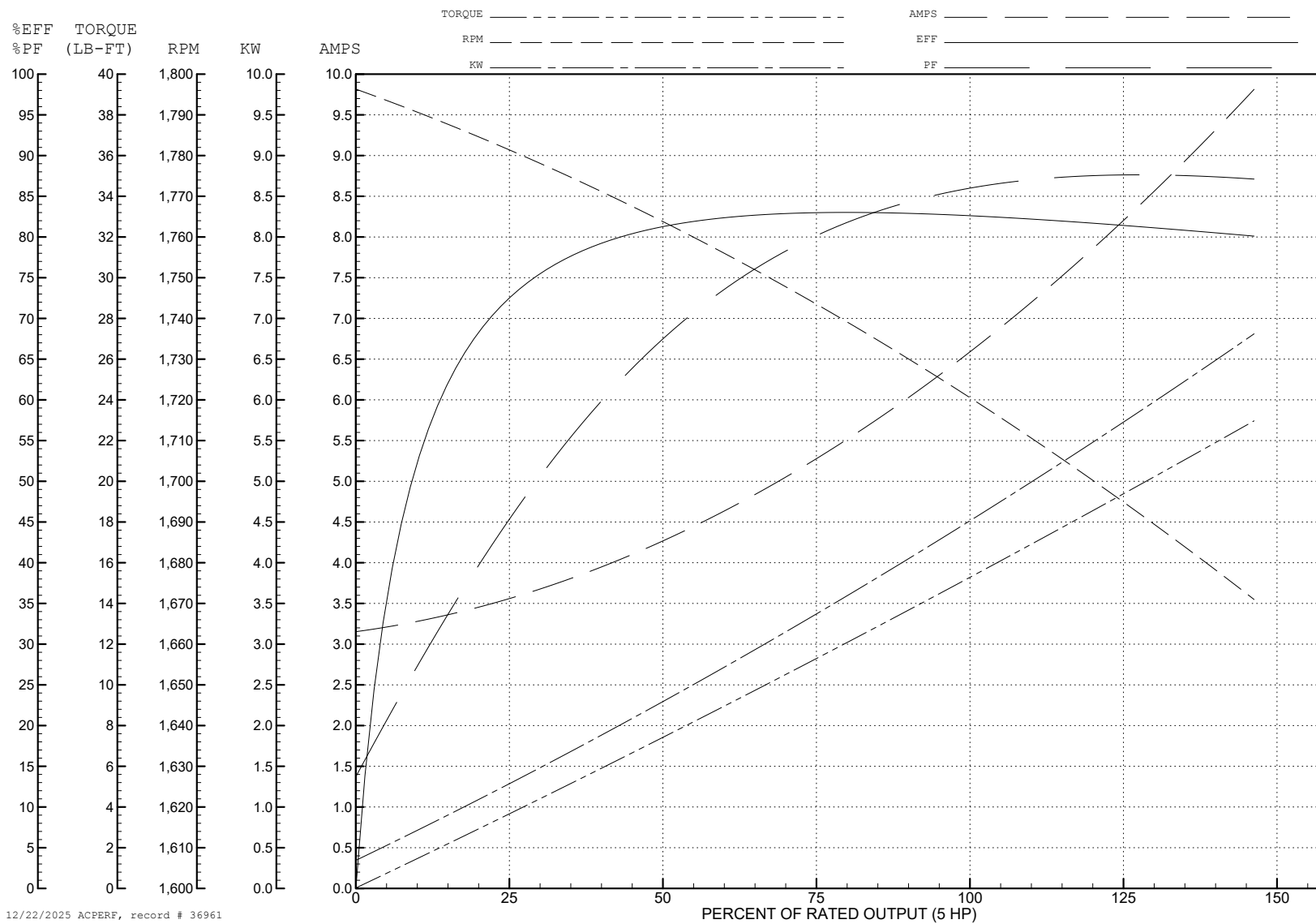
ABB Motors and Mechanical Inc.

WINDING # 36WGW582

Typical performance - not guaranteed values.

5 HP 3 PH 60 HZ 1720 RPM 460 V 3634M

TORQUES (LB-FT): PO=50 PU=31 LR=34 LRA=48



**AC Induction Motor Performance Data**

Record # 36962

Typical performance - not guaranteed values

| Winding: 36WGW582-R001 |    |          | Type: 3634M  |                                       | Enclosure: TEFC         |                |        |
|------------------------|----|----------|--------------|---------------------------------------|-------------------------|----------------|--------|
| Nameplate Data         |    |          |              | 460 V, 60 Hz:<br>Low Speed Connection |                         |                |        |
| Rated Output (HP)      |    | 5/1.3    |              | Full Load Torque                      |                         | 8 LB-FT        |        |
| Volts                  |    | 460      |              | Start Configuration                   |                         | direct on line |        |
| Full Load Amps         |    | 6.6/2.5  |              | Breakdown Torque                      |                         | 19 LB-FT       |        |
| R.P.M.                 |    | 1725/850 |              | Pull-up Torque                        |                         | 10 LB-FT       |        |
| Hz                     | 60 | Phase    | 3            | Locked-rotor Torque                   |                         | 11.5 LB-FT     |        |
| NEMA Design Code       |    | B        | KVA Code     | J                                     | Starting Current        |                | 9.6 A  |
| Service Factor (S.F.)  |    | 1        |              | No-load Current                       |                         | 1.8 A          |        |
| NEMA Nom. Eff.         |    | 0        | Power Factor | 0                                     | Line-line Res. @ 25°C   |                | 15.8 Ω |
| Rating - Duty          |    |          | 40C AMB-CONT |                                       | Temp. Rise @ Rated Load |                | 54°C   |

**Load Characteristics 460 V, 60 Hz, 1.3 HP**

| % of Rated Load | 25   | 50   | 75  | 100  | 125  | 150  |
|-----------------|------|------|-----|------|------|------|
| Power Factor    | 32   | 47   | 59  | 67   | 71   | 73   |
| Efficiency      | 51.8 | 65.8 | 71  | 72.6 | 72.2 | 70.3 |
| Speed           | 886  | 875  | 863 | 849  | 833  | 812  |
| Line amperes    | 1.9  | 2    | 2.2 | 2.5  | 2.9  | 3.4  |

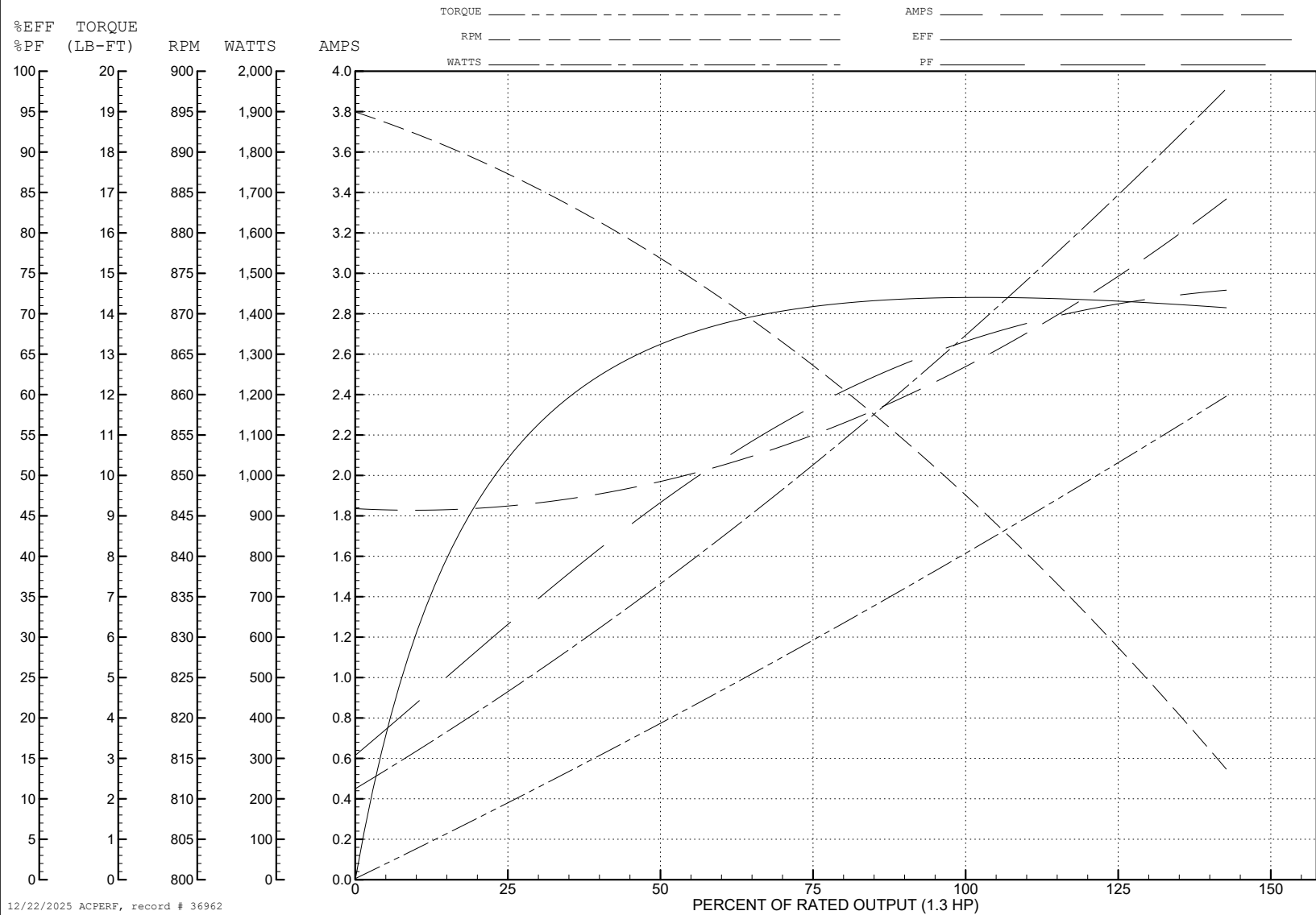
ABB Motors and Mechanical Inc.

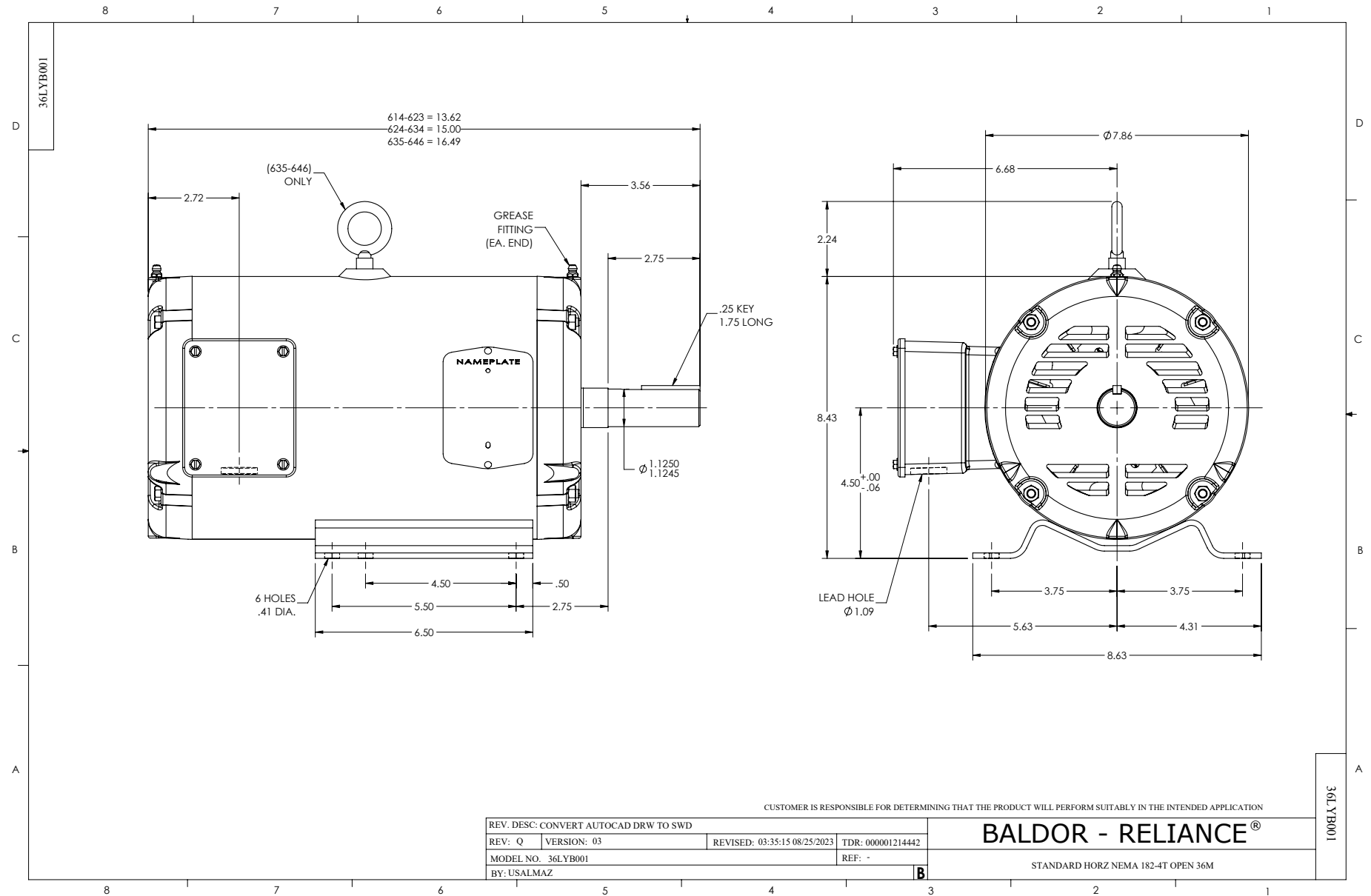
WINDING # 36WG582

Typical performance - not guaranteed values.

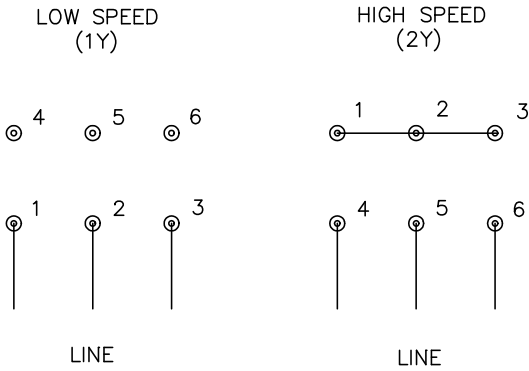
1.3 HP 3 PH 60 HZ 849 RPM 460 V 3634M

TORQUES (LB-FT): PO=19 PU=10 LR=11.5 LRA=9.6





CD0032



- 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: 01/22/99 8:27 | TDR: 0171435 |
| CD0032                                    |         | FILE: AAA00005145      | MDL: -       |
|                                           |         | MTL: -                 |              |

BALDOR ELECTRIC Co.

3PH, SV, 6 LEADS, 2-SPEED 1-WINDING VARIABLE TORQUE

CD0032