



---

# Customer information packet

## GNEM3607T-G

1.5HP//1.1KW, 1175//970RPM, 3PH, 60//50HZ, 1

Class - None

Division - Not Applicable

## Specifications

|                                |                                                                                             |
|--------------------------------|---------------------------------------------------------------------------------------------|
| Enclosure                      | TEFC                                                                                        |
| Frame                          | 182T                                                                                        |
| Frame Material                 | Steel                                                                                       |
| Frequency                      | 50.00 Hz<br>60.00 Hz                                                                        |
| Haz Area Class and Group       | None                                                                                        |
| Haz Area Division              | Not Applicable                                                                              |
| Motor Letter Type              | Three Phase                                                                                 |
| Output @ Frequency             | 1.500 HP @ 60 HZ<br>1.100 KW @ 50 HZ                                                        |
| Phase                          | 3                                                                                           |
| Synchronous Speed @ Frequency  | 1200 RPM @ 60 HZ                                                                            |
| Voltage @ Frequency            | 190.0 V @ 50 HZ<br>208.0 V @ 60 HZ<br>230.0 V @ 60 HZ<br>380.0 V @ 50 HZ<br>460.0 V @ 60 HZ |
| Agency Approvals               | CE<br>WEEE<br>UKCA<br>CURUSEEV<br>IE3<br>NEMA PREMIUM                                       |
| 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              | 5.600 A @ 190.0 V<br>5.200 A @ 208.0 V<br>5.000 A @ 230.0 V<br>2.800 A @ 380.0 V            |

## Part detail

|              |            |
|--------------|------------|
| Revision     | E          |
| Type         | AC         |
| Mech. spec.  | 36M524     |
| Base         |            |
| Status       | PRD/A      |
| Elec. spec.  | 36WGZ634   |
| Layout       | 36LYM524   |
| Eff. date    | 04-25-2025 |
| CD Diagram   | CD0005     |
| Poles        | 06         |
| Leads        | 9#16       |
| Proprietary  | False      |
| Created date | 09-12-2023 |

2.500 A @ 460.0 V

|                               |                           |
|-------------------------------|---------------------------|
| Design Code                   | B                         |
| Drip Cover                    | No Drip Cover             |
| Duty Rating                   | CONT                      |
| Efficiency @ 100% Load        | 87.5 %                    |
| Electrically Isolated Bearing | Not Electrically Isolated |
| Feedback Device               | NO FEEDBACK               |
| Front Shaft Indicator         | None                      |
| Heater Indicator              | No Heater                 |
| High Voltage Full Load Amps   | 2.5 a                     |
| Insulation Class              | H                         |
| Inverter Code                 | Inverter Duty             |
| KVA Code                      | L                         |
| Lifting Lugs                  | No Lifting Lugs           |
| Locked Bearing Indicator      | Locked Bearing            |
| Motor Lead Quantity/Wire Size | 9 @ 16 AWG                |
| Motor Lead Termination        | Flying Leads              |
| Motor Standards               | NEMA                      |
| Motor Type                    | 3638M                     |
| Mounting Arrangement          | F1                        |
| Number of Poles               | 6                         |
| Overall Length                | 18.04 IN                  |
| Power Factor                  | 64                        |
| Product Family                | General Purpose           |
| Pulley End Bearing Type       | Ball                      |
| Pulley Face Code              | Standard                  |
| Pulley Shaft Indicator        | Standard                  |
| Rodent Screen                 | None                      |
| RoHS Status                   | ROHS COMPLIANT            |
| Service Factor                | 1.15                      |
| Shaft Diameter                | 1.125 IN                  |
| Shaft Ground Indicator        | Shaft Grounding           |
| Shaft Rotation                | Reversible                |
| Shaft Slinger Indicator       | No Slinger                |

|                            |                     |
|----------------------------|---------------------|
| Speed                      | 1175 rpm            |
|                            | 970 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

| NP4304L        |                              |                |          |        |    |       |      |    |    |
|----------------|------------------------------|----------------|----------|--------|----|-------|------|----|----|
| CAT.NO.        | GNEM3607T-G                  |                |          |        |    |       |      |    |    |
| SPEC.          | 36M524Z634G1                 |                |          |        |    |       |      |    |    |
| HP             | 1.5HP//1.1KW                 |                |          |        |    | PH    | 3    |    |    |
| VOLTS          | 208-230/460//190/380         |                |          |        |    |       |      |    |    |
| AMPS           | 5.2-5/2.5//5.6/2.8           |                |          |        |    |       |      |    |    |
| R.P.M. (1/MIN) | 1175//970                    |                |          |        |    | WT.   | 90   |    | KG |
| FRAME          | 182T                         |                | HZ       | 60//50 |    |       | I.P. | 44 |    |
| SER.F.         | 1.15                         | CODE           | L        | DES.   | B  | CLASS | H    |    |    |
| NOM.EFF.       | 87.5//81.1                   |                | % (100%) |        |    |       |      |    |    |
| P.F.           | 64                           | IC411, 10:1 VT |          |        |    |       |      |    |    |
| RATING         | 40C AMB-S1 CONT              |                |          |        | CC | 010A  |      |    |    |
| DE             | 6206                         |                | ODE      | 6205   |    |       |      |    |    |
| ENCL           | TEFC                         | SN             |          |        |    |       |      |    |    |
|                | SFA 5.8-5.4/2.7//6.4/3.2     |                |          |        |    |       |      |    |    |
|                | IE3-50HZ 87.6(75%),86.4(50%) |                |          |        |    |       |      |    |    |
|                | IE3-60HZ 87.4(75%),85.5(50%) |                |          |        |    |       |      |    |    |

## AC Induction Motor Performance Data

Record # 102691

Typical performance - not guaranteed values

| Winding: 36WGZ634-R002 |        |                      | Type: 3638M                              |                           | Enclosure: TEFC  |                       |        |        |
|------------------------|--------|----------------------|------------------------------------------|---------------------------|------------------|-----------------------|--------|--------|
| Nameplate Data         |        |                      | 460 V, 60 Hz:<br>High Voltage Connection |                           |                  |                       |        |        |
| Rated Output (HP)      |        | 1.5HP//1.1KW         | Full Load Torque                         |                           | 6.7 LB-FT        |                       |        |        |
| Volts                  |        | 208-230/460//190/380 | Start Configuration                      |                           | direct on line   |                       |        |        |
| Full Load Amps         |        | 5.2-5/2.5//5.6/2.8   | Breakdown Torque                         |                           | 27.2 LB-FT       |                       |        |        |
| R.P.M.                 |        | 1175//970            | Pull-up Torque                           |                           | 14.7 LB-FT       |                       |        |        |
| Hz                     | 60//50 | Phase                | 3                                        | Locked-rotor Torque       |                  | 19.1 LB-FT            |        |        |
| NEMA Design Code       |        | B                    | KVA Code                                 | L                         | Starting Current |                       | 18.8 A |        |
| Service Factor (S.F.)  |        | 1.15                 |                                          | No-load Current           |                  | 1.65 A                |        |        |
| NEMA Nom. Eff.         |        | 87.5                 | Power Factor                             |                           | 64               | Line-line Res. @ 25°C |        | 6.67 Ω |
| Rating - Duty          |        | 40C AMB-CONT         |                                          | Temp. Rise @ Rated Load   |                  | 27°C                  |        |        |
| S.F. Amps              |        | 5.8-5.4/2.7//6.4/3.2 |                                          | Temp. Rise @ S.F. Load    |                  | 31°C                  |        |        |
|                        |        |                      |                                          | Locked-rotor Power Factor |                  | 30.3                  |        |        |
|                        |        |                      |                                          | Rotor inertia             |                  | 0.357 lb-ft²          |        |        |

## Load Characteristics 460 V, 60 Hz, 1.5 HP

| % of Rated Load | 25   | 50   | 75   | 100  | 125  | 150  | S.F. |
|-----------------|------|------|------|------|------|------|------|
| Power Factor    | 27   | 44   | 55   | 64   | 69   | 72   | 67   |
| Efficiency      | 76.2 | 84.9 | 87.4 | 88.1 | 87.7 | 86.8 | 87.9 |
| Speed           | 1196 | 1190 | 1184 | 1177 | 1170 | 1162 | 1173 |
| Line amperes    | 1.72 | 1.91 | 2.18 | 2.51 | 2.89 | 3.33 | 2.74 |

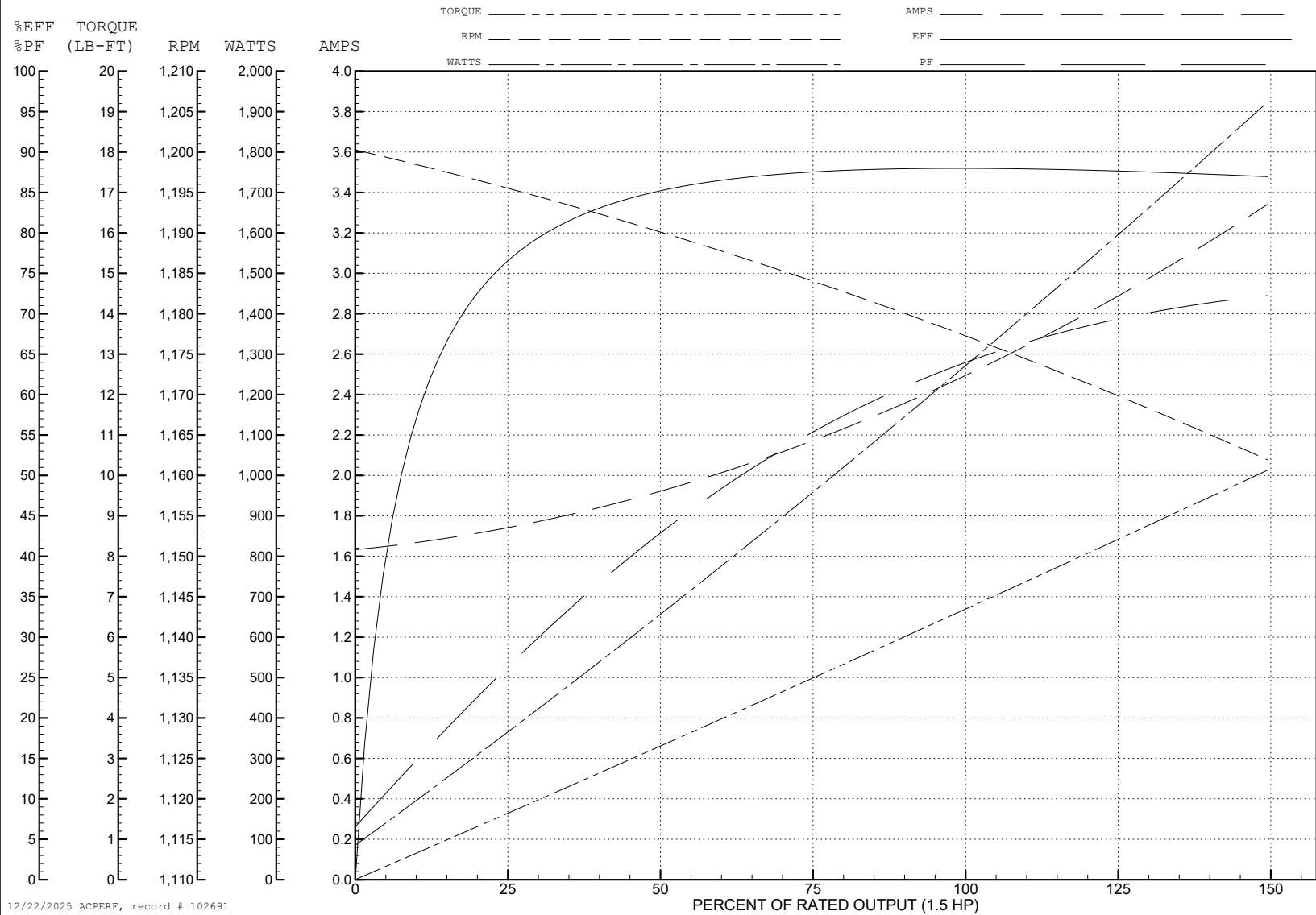
ABB Motors and Mechanical Inc.

WINDING # 36WGZ634

Typical performance - not guaranteed values.

1.5 HP 3 PH 60 HZ 1177 RPM 460 V 3638M

TORQUES (LB-FT): PO=27.2 PU=14.7 LR=19.1 LRA=18.8



12/22/2025 ACPERF, record # 102691

## AC Induction Motor Performance Data

Record # 102692

Typical performance - not guaranteed values

| Winding: 36WGZ634-R002 |  |                      | Type: 3638M                              |                      | Enclosure: TEFC     |                           |            |              |
|------------------------|--|----------------------|------------------------------------------|----------------------|---------------------|---------------------------|------------|--------------|
| Nameplate Data         |  |                      | 380 V, 50 Hz:<br>High Voltage Connection |                      |                     |                           |            |              |
| Rated Output (HP)      |  | 1.5HP//1.1KW         |                                          | Full Load Torque     |                     | 8.12 LB-FT                |            |              |
| Volts                  |  | 208-230/460//190/380 |                                          | Start Configuration  |                     | direct on line            |            |              |
| Full Load Amps         |  | 5.2-5/2.5//5.6/2.8   |                                          | Breakdown Torque     |                     | 26 LB-FT                  |            |              |
| R.P.M.                 |  | 1175//970            |                                          | Pull-up Torque       |                     | 15.5 LB-FT                |            |              |
| Hz                     |  | 60//50               | Phase                                    | 3                    | Locked-rotor Torque |                           | 20.1 LB-FT |              |
| NEMA Design Code       |  | B                    |                                          | KVA Code             | L                   | Starting Current          |            | 18.3 A       |
| Service Factor (S.F.)  |  |                      |                                          | 1.15                 |                     | No-load Current           |            | 1.64 A       |
| NEMA Nom. Eff.         |  | 87.5                 | Power Factor                             |                      | 64                  | Line-line Res. @ 25°C     |            | 6.67 Ω       |
| Rating - Duty          |  |                      |                                          | 40C AMB-CONT         |                     | Temp. Rise @ Rated Load   |            | 33°C         |
| S.F. Amps              |  |                      |                                          | 5.8-5.4/2.7//6.4/3.2 |                     | Temp. Rise @ S.F. Load    |            | 41°C         |
|                        |  |                      |                                          |                      |                     | Locked-rotor Power Factor |            | 34.2         |
|                        |  |                      |                                          |                      |                     | Rotor inertia             |            | 0.357 lb-ft² |

## Load Characteristics 380 V, 50 Hz, 1.5 HP

| % of Rated Load | 25   | 50   | 75   | 100  | 125  | 150  | S.F. |
|-----------------|------|------|------|------|------|------|------|
| Power Factor    | 31   | 50   | 61   | 69   | 73   | 75   | 67   |
| Efficiency      | 79.7 | 86.4 | 87.6 | 87.2 | 85.9 | 83.7 | 87.9 |
| Speed           | 994  | 987  | 979  | 970  | 960  | 948  | 1173 |
| Line amperes    | 1.73 | 1.99 | 2.38 | 2.83 | 3.39 | 4.05 | 2.74 |

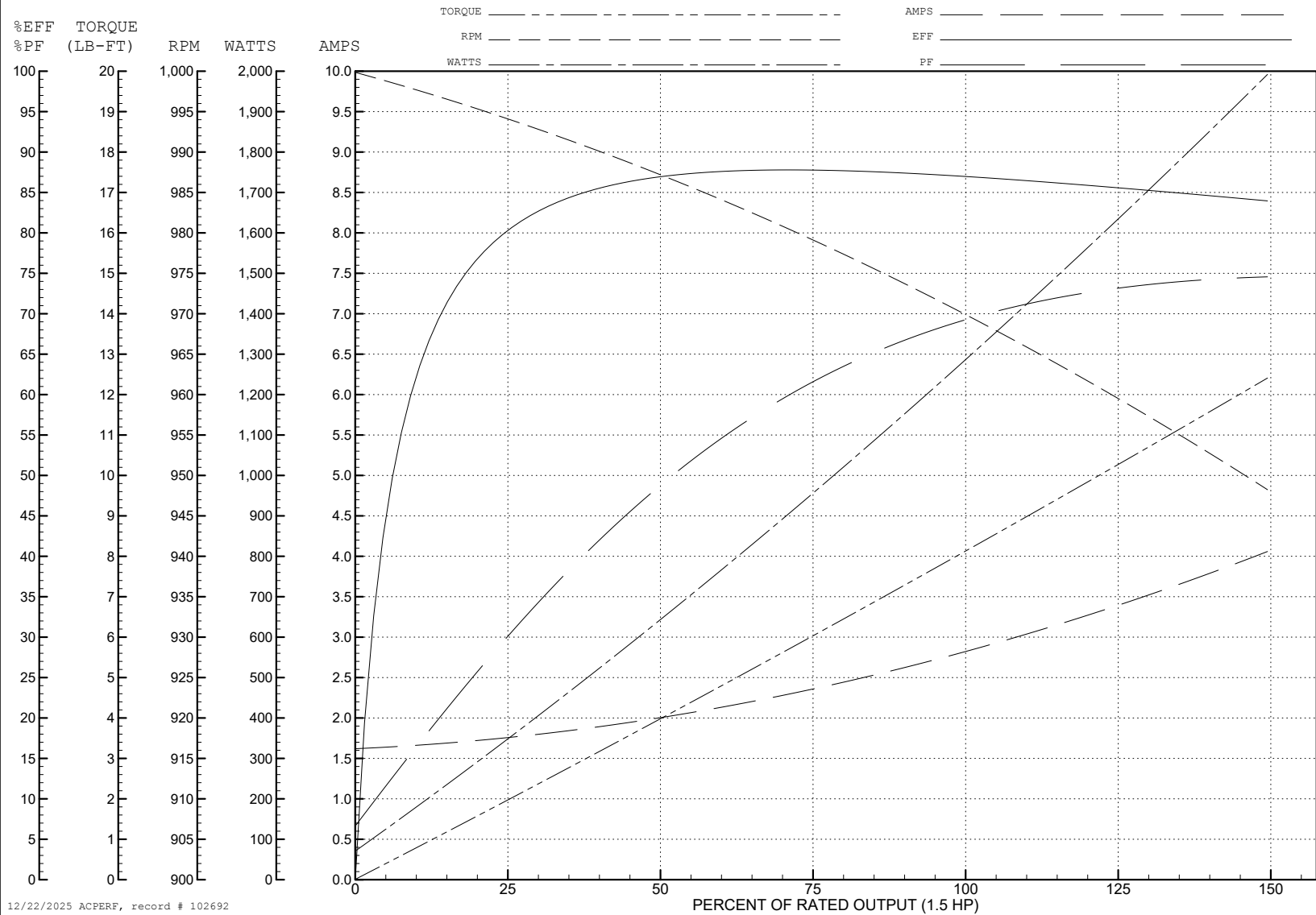
ABB Motors and Mechanical Inc.

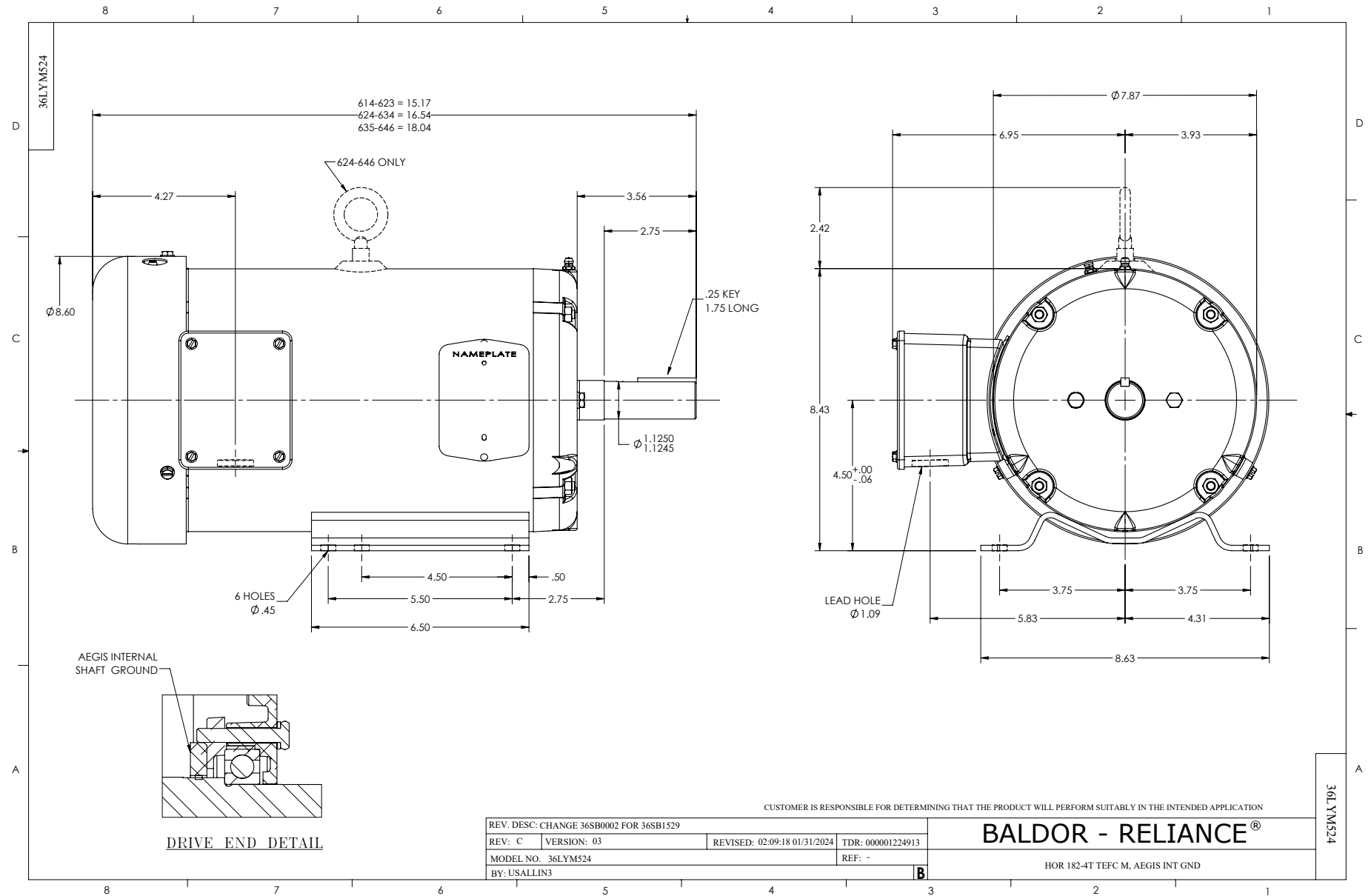
WINDING # 36WGZ634

Typical performance - not guaranteed values.

1.5 HP 3 PH 50 HZ 970 RPM 380 V 3638M

TORQUES (LB-FT): PO=26 PU=15.5 LR=20.1 LRA=18.3





CD0005



- 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: 01/19/99 10:15 | TDR: 0171435 |
| 900000                                    |         | FILE: AAA00005140       | MDL: -       |
|                                           |         | MTL: -                  |              |

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005