BALDOR • RELIANCE

# Customer information packet

## GNEM3667T

1.5HP//1.1KW, 1170//965RPM, 3PH, 60//50HZ, 1
Class - None
Division - Not Applicable


12/22/2025 2:38:21 PM

## Specifications

| | |
|---|---|
| **Enclosure** | TEFC |
| **Frame** | 182T |
| **Frame Material** | Iron |
| **Frequency** | 50.00 Hz |
| | 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 |
| | 1.100 KW @ 50 HZ |
| **Phase** | 3 |
| **Synchronous Speed @ Frequency** | 1000 RPM @ 50 HZ |
| **Voltage @ Frequency** | 190.0 V @ 50 HZ |
| | 208.0 V @ 60 HZ |
| | 230.0 V @ 60 HZ |
| | 380.0 V @ 50 HZ |
| | 460.0 V @ 60 HZ |
| **Agency Approvals** | CE |
| | WEEE |
| | UKCA |
| | CURUSEEV |
| | IE3 |
| | 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** | 5.800 A @ 190.0 V |
| | 5.200 A @ 208.0 V |
| | 5.000 A @ 230.0 V |
| | 2.900 A @ 380.0 V |

## Part detail

| | |
|---|---|
| **Revision** | C |
| **Type** | AC |
| **Mech. spec.** | 06C101 |
| **Base** | |
| **Status** | PRD/A |
| **Elec. spec.** | 06WGX900 |
| **Layout** | 06LYC101 |
| **Eff. date** | 08-05-2024 |
| **CD Diagram** | CD0005 |
| **Poles** | 06 |
| **Leads** | 9#16 |
| **Proprietary** | False |
| **Created date** | 08-17-2023 |

| | |
|---|---|
| | 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** | F |
| **Inverter Code** | Inverter Duty |
| **KVA Code** | K |
| **Lifting Lugs** | No Lifting Lugs |
| **Locked Bearing Indicator** | No Locked Bearing |
| **Motor Lead Quantity/Wire Size** | 9 @ 16 AWG |
| **Motor Lead Termination** | Flying Leads |
| **Motor Standards** | NEMA |
| **Motor Type** | 0634M |
| **Mounting Arrangement** | F1 |
| **Number of Poles** | 6 |
| **Overall Length** | 15.24 IN |
| **Power Factor** | 65 |
| **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** | No Shaft Grounding |
| **Shaft Rotation** | Reversible |
| **Shaft Slinger Indicator** | No Slinger |

| | |
|---|---|
| **Speed** | 1170 rpm |
| | 965 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.** | GNEM3667T | | | | | | | | |
| **SPEC.** | 06C101X900G1 | | | | | | | | |
| **HP** | 1.5HP//1.1KW | | | | **PH** | 3 | | | |
| **VOLTS** | 208-230/460//190/380 | | | | | | | | |
| **AMPS** | 5.2-5/2.5//5.8/2.9 | | | | | | | | |
| **R.P.M. (1/MIN)** | 1170//965 | | | | **WT.** | 48 | **KG** | | |
| **FRAME** | 182T | | **HZ** | 60//50 | | **I.P.** | 44 | | |
| **SER.F.** | 1.15 | **CODE** | K | **DES.** | B | **CLASS** | F | | |
| **NOM.EFF.** | 87.5//81.1 | | | **% (100%)** | | | | | |
| **P.F.** | 65 | | IC411, 10:1 VT | | | | | | |
| **RATING** | 40C AMB-S1 CONT | | | | **CC** | 010A | | | |
| **DE** | 6206 | | | **ODE** | 6205 | | | | |
| **ENCL** | TEFC | **SN** | | | | | | | |
| | SFA 5.8-5.6/2.8//6.4/3.2 | | | | | | | | |
| | IE3-50HZ 87.0(75%), 86.0(50%) | | | | | | | | |
| | IE3-60HZ 86.8(75%), 84.6(50%) | | | | | | | | |

**AC Induction Motor Performance Data**
Record # 101088
Typical performance - not guaranteed values

| **Winding:** 06WGX900-R001 | **Type:** 0634M | **Enclosure:** TEFC |
|---|---|---|

| **Nameplate Data** | | | | **460 V, 60 Hz: High Voltage Connection** | |
|---|---|---|---|---|---|
| **Rated Output (HP)** | | | 1.5HP//1.1KW | **Full Load Torque** | 6.76 LB-FT |
| **Volts** | | | 208-230/460//190/380 | **Start Configuration** | direct on line |
| **Full Load Amps** | | | 5.2-5/2.5//5.8/2.9 | **Breakdown Torque** | 24.8 LB-FT |
| **R.P.M.** | | | 1170//965 | **Pull-up Torque** | 12.8 LB-FT |
| **Hz** | 60//50 | **Phase** | 3 | **Locked-rotor Torque** | 16.1 LB-FT |
| **NEMA Design Code** | B | **KVA Code** | K | **Starting Current** | 16.7 A |
| **Service Factor (S.F.)** | | | 1.15 | **No-load Current** | 1.66 A |
| **NEMA Nom. Eff.** | 87.5 | **Power Factor** | 65 | **Line-line Res. @ 25ºC** | 6.89 Ω |
| **Rating - Duty** | | | 40C AMB-CONT | **Temp. Rise @ Rated Load** | 26°C |
| **S.F. Amps** | | | 5.8-5.6/2.8//6.4/3.2 | **Temp. Rise @ S.F. Load** | 30°C |
| | | | | **Locked-rotor Power Factor** | 30.5 |
| | | | | **Rotor inertia** | 0.319 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 | 56 | 64 | 69 | 73 | 67 |
| **Efficiency** | 76 | 84.6 | 86.8 | 87.6 | 87.2 | 86 | 87.4 |
| **Speed** | 1194 | 1188 | 1180 | 1173 | 1165 | 1155 | 1168 |
| **Line amperes** | 1.73 | 1.92 | 2.2 | 2.52 | 2.92 | 3.37 | 2.76 |

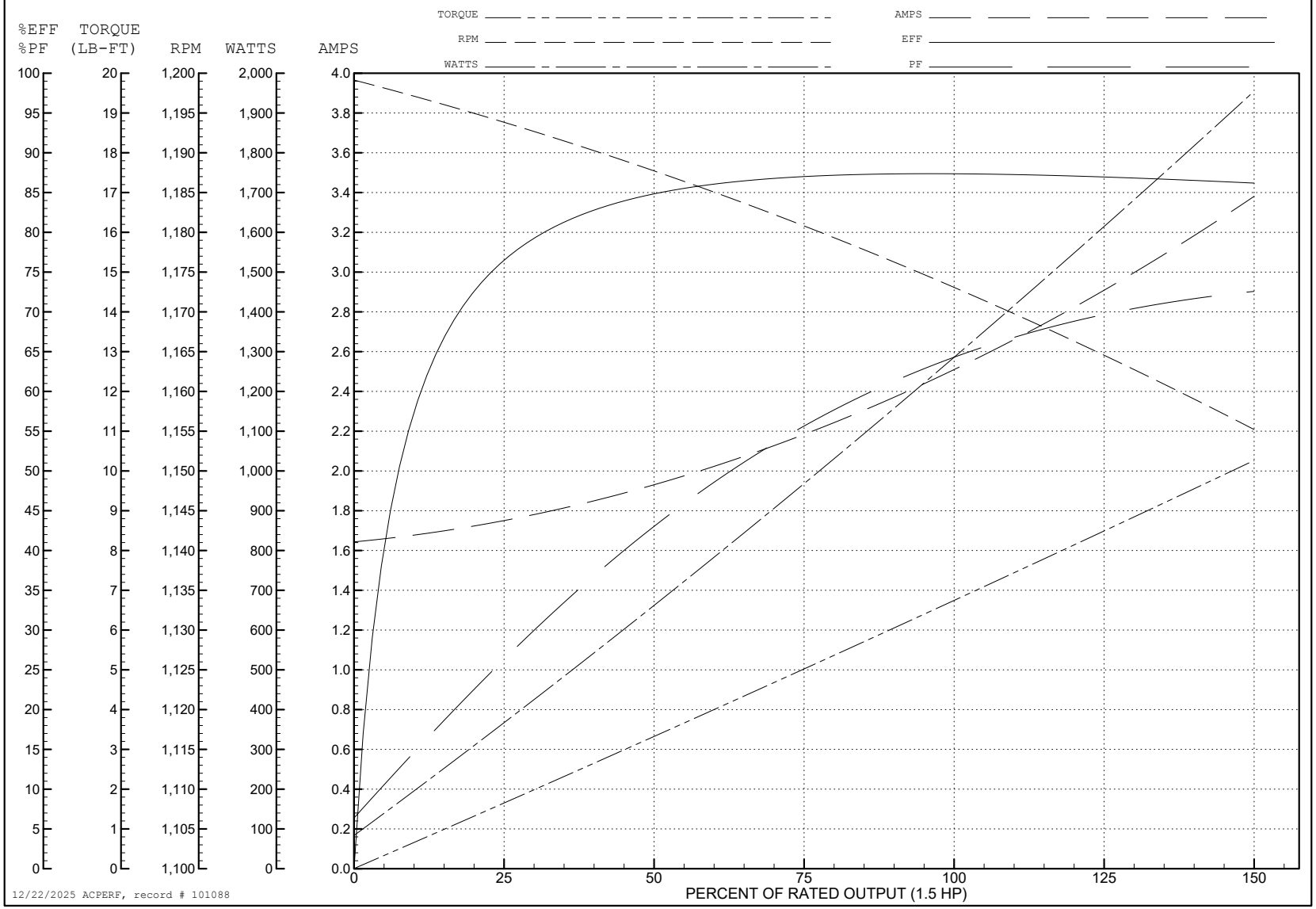
ABB Motors and Mechanical Inc.

WINDING # 06WGX900

1.5 HP 3 PH 60 HZ 1173 RPM 460 V 0634M

Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=24.8 PU=12.8 LR=16.1 LRA=16.7



**AC Induction Motor Performance Data**
Record # 101089
Typical performance - not guaranteed values

| **Winding:** 06WGX900-R001 | **Type:** 0634M | **Enclosure:** TEFC |
|---|---|---|

| **Nameplate Data** | | | | **380 V, 50 Hz: High Voltage Connection** | |
|---|---|---|---|---|---|
| **Rated Output (HP)** | | | 1.5HP//1.1KW | **Full Load Torque** | 8.2 LB-FT |
| **Volts** | | | 208-230/460//190/380 | **Start Configuration** | direct on line |
| **Full Load Amps** | | | 5.2-5/2.5//5.8/2.9 | **Breakdown Torque** | 23.7 LB-FT |
| **R.P.M.** | | | 1170//965 | **Pull-up Torque** | 13.4 LB-FT |
| **Hz** | 60//50 | **Phase** | 3 | **Locked-rotor Torque** | 17 LB-FT |
| **NEMA Design Code** | B | **KVA Code** | K | **Starting Current** | 16.2 A |
| **Service Factor (S.F.)** | | | 1.15 | **No-load Current** | 1.64 A |
| **NEMA Nom. Eff.** | 87.5 | **Power Factor** | 65 | **Line-line Res. @ 25ºC** | 6.89 Ω |
| **Rating - Duty** | | | 40C AMB-CONT | **Temp. Rise @ Rated Load** | 32°C |
| **S.F. Amps** | | | 5.8-5.6/2.8//6.4/3.2 | **Temp. Rise @ S.F. Load** | 39°C |
| | | | | **Locked-rotor Power Factor** | 34.5 |
| | | | | **Rotor inertia** | 0.319 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 | 62 | 69 | 73 | 75 | 71 |
| **Efficiency** | 79.1 | 86 | 87 | 86.6 | 85.2 | 82.7 | 85.8 |
| **Speed** | 993 | 985 | 976 | 966 | 955 | 941 | 959 |
| **Line amperes** | 1.73 | 2.01 | 2.4 | 2.86 | 3.44 | 4.12 | 3.21 |

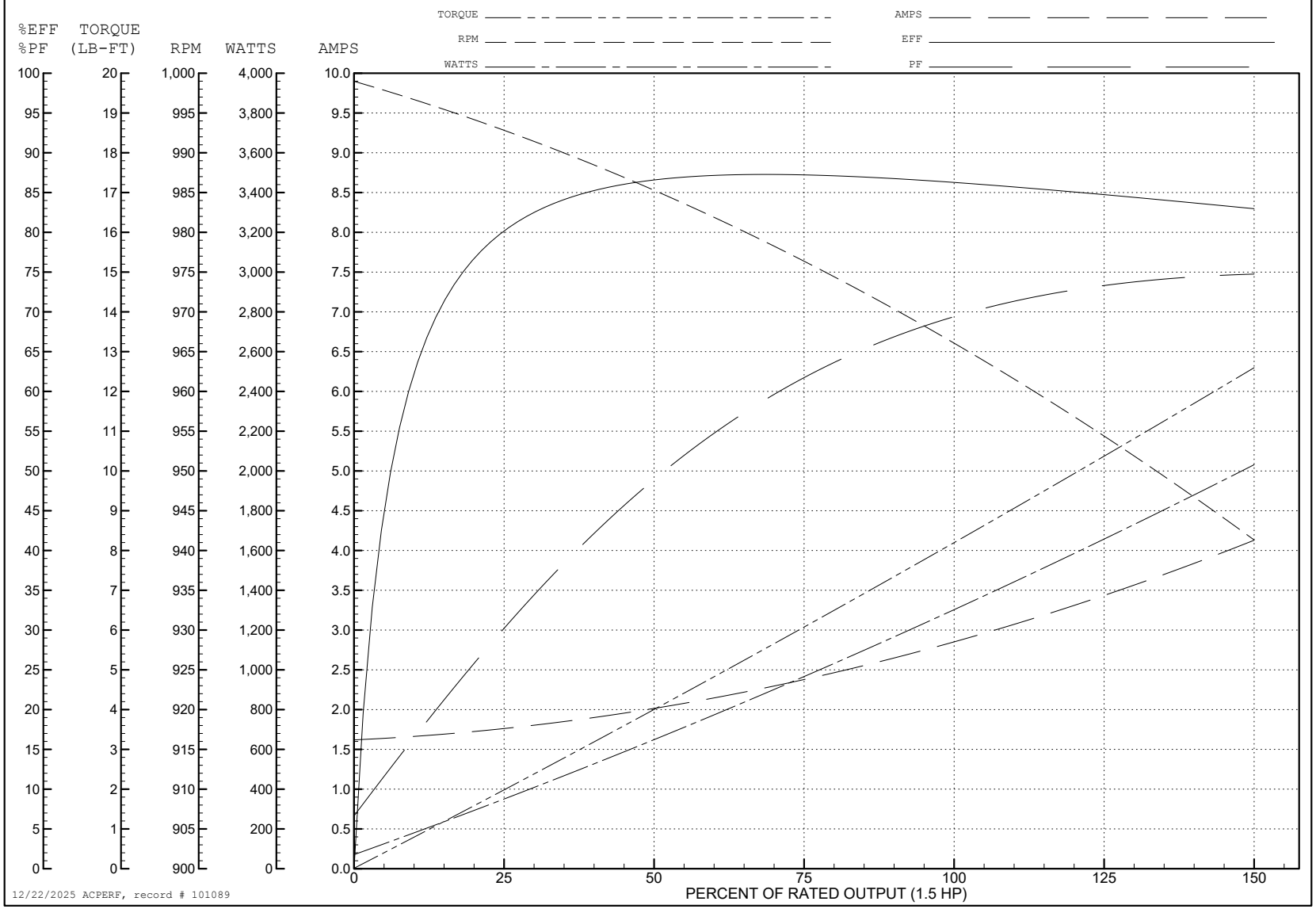
ABB Motors and Mechanical Inc.

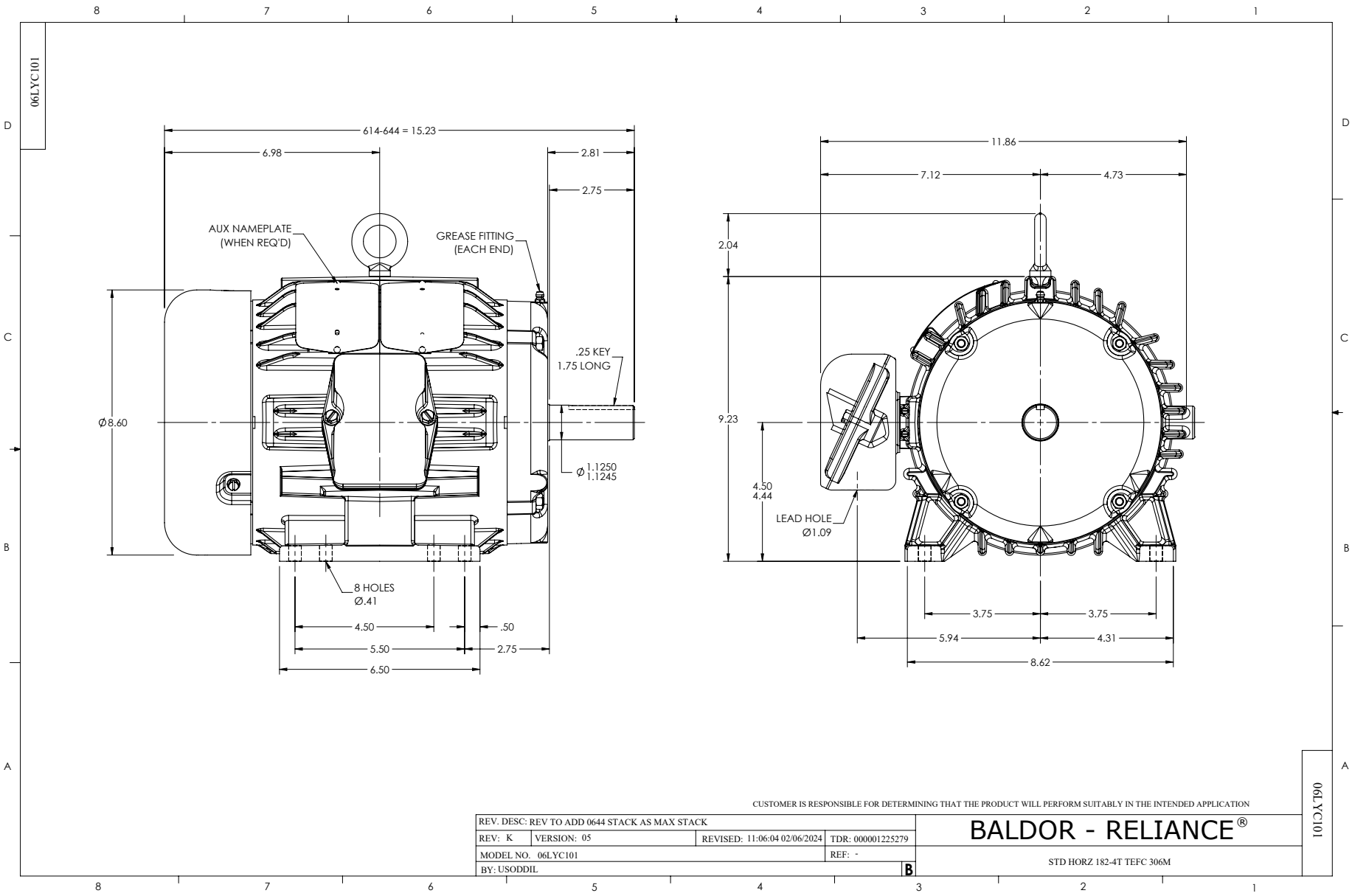
WINDING # 06WGX900

1.5 HP 3 PH 50 HZ 966 RPM 380 V 0634M

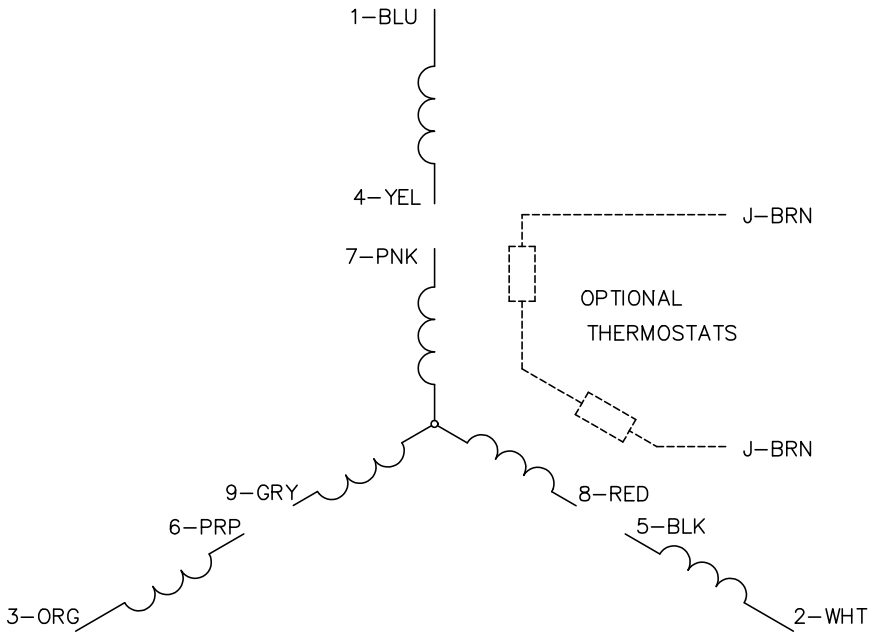
Typical performance - not guaranteed values.

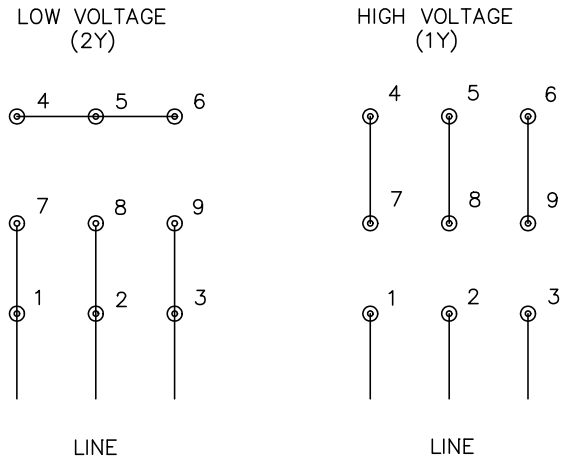
TORQUES(LB-FT): PO=23.7 PU=13.4 LR=17 LRA=16.2




06LYC101
614-644 = 15.23
6.98
2.81
2.75
AUX NAMEPLATE (WHEN REQ'D)
GREASE FITTING (EACH END)
.25 KEY
1.75 LONG
Ø8.60
Ø 1.1250
1.1245
8 HOLES
Ø.41
4.50
.50
5.50
2.75
6.50
11.86
7.12
4.73
2.04
9.23
4.50
4.44
LEAD HOLE
Ø1.09
3.75
3.75
5.94
4.31
8.62
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: REV TO ADD 0644 STACK AS MAX STACK
REV: K
VERSION: 05
REVISED: 11:06:04 02/06/2024
TDR: 000001225279
MODEL NO. 06LYC101
REF: -
BY: USODDIL
B
BALDOR - RELIANCE®
STD HORZ 182-4T TEFC 306M
06LYC101

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.

CD0005

| | | | |
|---|---|---|---|
| REV. DESC: REVISE TO SHOW OPTIONAL COLORS | | | BALDOR ELECTRIC Co. |
| REV. LTR: E | BY: JLP | REVISED: 01/19/99 10:15 | TDR: 0171435 |
| CD0005 | | FILE: AAA00005140 | MDL: – |
| | | MTL: – | 3PH, DV, 9 LEADS |