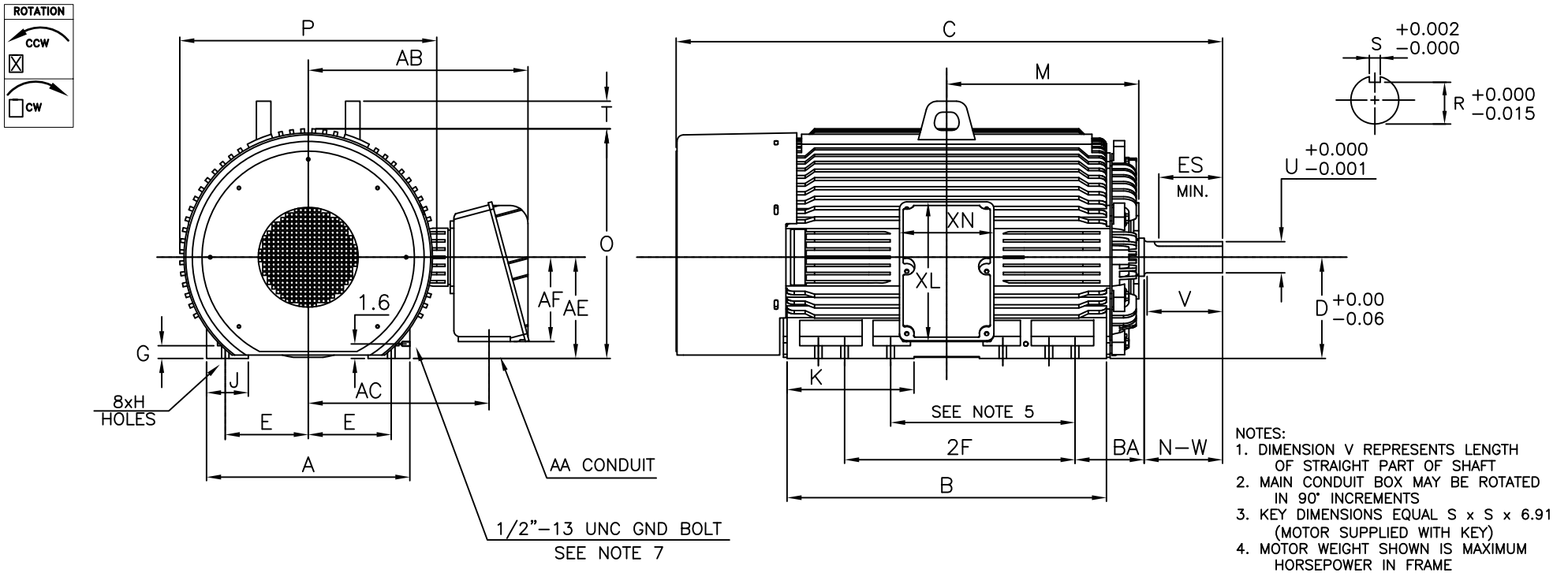


NOTES:
1. DIMENSION V REPRESENTS LENGTH OF STRAIGHT PART OF SHAFT
2. MAIN CONDUIT BOX MAY BE ROTATED IN 90° INCREMENTS
3. KEY DIMENSIONS EQUAL S x S x 6.91 (MOTOR SUPPLIED WITH KEY)
4. MOTOR WEIGHT SHOWN IS MAXIMUM HORSEPOWER IN FRAME
5. THIS DIMENSION EQUALS 2F FOR N447T MOUNTING
6. STANDARD PRODUCT USE BI–DIRECTIONAL FAN. OPPOSITE ROTATION AVAILABLE ONLY BY CONNECTION CHANGE
7. FRAME GROUND BOLT STANDARD ON 841 PRODUCT

UNITS: INCHES

| FRAME SIZE | MOTOR DIMENSIONS | | | | | | | | | | | CONDUIT BOX | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | D | G | J | K | M | O | P | T | AA[NPT] | AB | AC | AE | AF | XL | XN |
| N447T/N449T | 22.0 | 34.7 | 59.3 | 11.00 | 1.4 | 4.6 | 13.8 | 20.9 | 25.0 | 27.0 | 3.0 | 4.00 | 24.0 | 19.7 | 11.00 | 9.2 | 15.2 | 10.2 |
| N447TS/N449TS | 22.0 | 34.7 | 55.6 | 11.00 | 1.4 | 4.6 | 13.8 | 20.9 | 25.0 | 27.0 | 3.0 | 4.00 | 24.0 | 19.7 | 11.00 | 9.2 | 15.2 | 10.2 |

| FRAME SIZE | MOUNTING | | | | SHAFT EXTENSION | | | KEY SEAT | | | BEARINGS | | | | | | MAXIMUM WEIGHT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | E | 2F | H | BA | N–W | V | U | R | S | ES | LS ROLLER | LS BALL 6P | LS BALL 4P | OS 4~8P | LS BALL 2P | OS 2P | |
| N447T/N449T | 9.00 | 20.00/25.00 | 0.82 | 7.50 | 8.50 | 8.25 | 3.375 | 2.880 | 0.875 | 6.88 | NU322C3 | 6322C3 | 6318C3 | 6318C3 | – | – | 3800 lbs. |
| N447TS/N449TS | 9.00 | 20.00/25.00 | 0.82 | 7.50 | 4.75 | 4.50 | 2.375 | 2.021 | 0.625 | 3.00 | – | 6318C3 | 6318C3 | 6318C3 | 6313C3 | 6313C3 | |

CUSTOMER: _____ MOTOR MODEL NO.: _____

P.O. NO.: _____ HP: _____ VOLTAGE: _____ RPM(SYN.): _____ Hz: _____

FRAME SIZE: _____ PRODUCT TYPE: TEFC EQP III 840

COMMENTS: _____

PER: _____ DATE: _____

TAG NO's.:

- [X] STANDARD (NO AUX. BOXES)
- [ ] RTD AUX. BOX
- [ ] SPACE HEATER AUX. BOX
- [ ] BEARING RTD's

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**TOSHIBA**

TOSHIBA INTERNATIONAL CORPORATION

TOTALLY–ENCLOSED FAN–COOLED
HORIZONTAL FOOT–MOUNTED
3 PHASE INDUCTION MOTOR
F1 ASSEMBLY

**XT SERIES**

VISIT OUR WEBSITE AT:
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| Issued Date | 9/24/2019 | Transmit # | |
|---|---|---|---|
| Issued By | dschoeck | Issued Rev | |

TOSHIBA

# TYPICAL MOTOR PERFORMANCE DATA

**Model:** B3004FLG3OMHD

| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
|---|---|---|---|---|---|---|---|---|
| 300 | 224 | 4 | 1780 | 5010US | 575 | 60 | 3 | 264 |
| **Enclosure** | **IP** | **Ins. Class** | **S.F.** | **Duty** | **NEMA Nom. Eff.** | **NEMA Design** | **kVA Code** | **Ambient (°C)** |
| TEFC | 56 | F | 1.15 | CONT | 96.2 | B | G | 40 C |

| Load | HP | kW | Amperes | Efficiency (%) | Power Factor (%) |
|---|---|---|---|---|---|
| **Full Load** | 300 | 223.7 | 264.0 | 96.4 | 88.3 |
| **¾ Load** | 225.00 | 167.8 | 199.9 | 95.9 | 87.9 |
| **½ Load** | 150.00 | 111.9 | 139.4 | 94.5 | 85.3 |
| **¼ Load** | 75.00 | 55.9 | 84.5 | 90.1 | 73.8 |
| **No Load** | | | 54.4 | | 5.0 |
| **Locked Rotor** | | | 1715 | | 29.3 |

| Torque | | | | Rotor wk² Inertia |
|---|---|---|---|---|
| **Full Load (lb-ft)** | **Locked Rotor (% FLT)** | **Pull Up (% FLT)** | **Break Down (% FLT)** | **(lb-ft²)** |
| 885 | 190 | 135 | 265 | 158.12 |

| Safe Stall Time(s) | | Sound Pressure dB(A) @ 1M | Bearings* | | Approx. Motor Weight |
|---|---|---|---|---|---|
| **Cold** | **Hot** | | **DE** | **NDE** | **(lbs)** |
| 21.5 | 7.3 | - | 6320C3 | 6320C3 | |

*Bearings are the only recommended spare part(s).

**Motor Options:**
Product Family:EQP Global 840
Mounting:Footed,Shaft:US Shaft

| | |
|---|---|
| **Customer** | |
| **Customer PO** | |
| **Sales Order** | |
| **Project #** | |

**Tag:**

All characteristics are average expected values.

**TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.**

| Engineering | aacosta | Doc. Written By | D. Suarez | Doc.# / Rev | MPCF-1119 / 1 |
|---|---|---|---|---|---|
| Engr. Date | 5/16/2013 | Doc. Approved By | M. Campbell | Doc. Issued | 9/20/2019 |

| | | | |
|---|---|---|---|
| Issued Date | 9/24/2019 | Transmit # | |
| Issued By | dschoeck | Issued Rev | |

TOSHIBA

# SPEED TORQUE/CURRENT CURVE

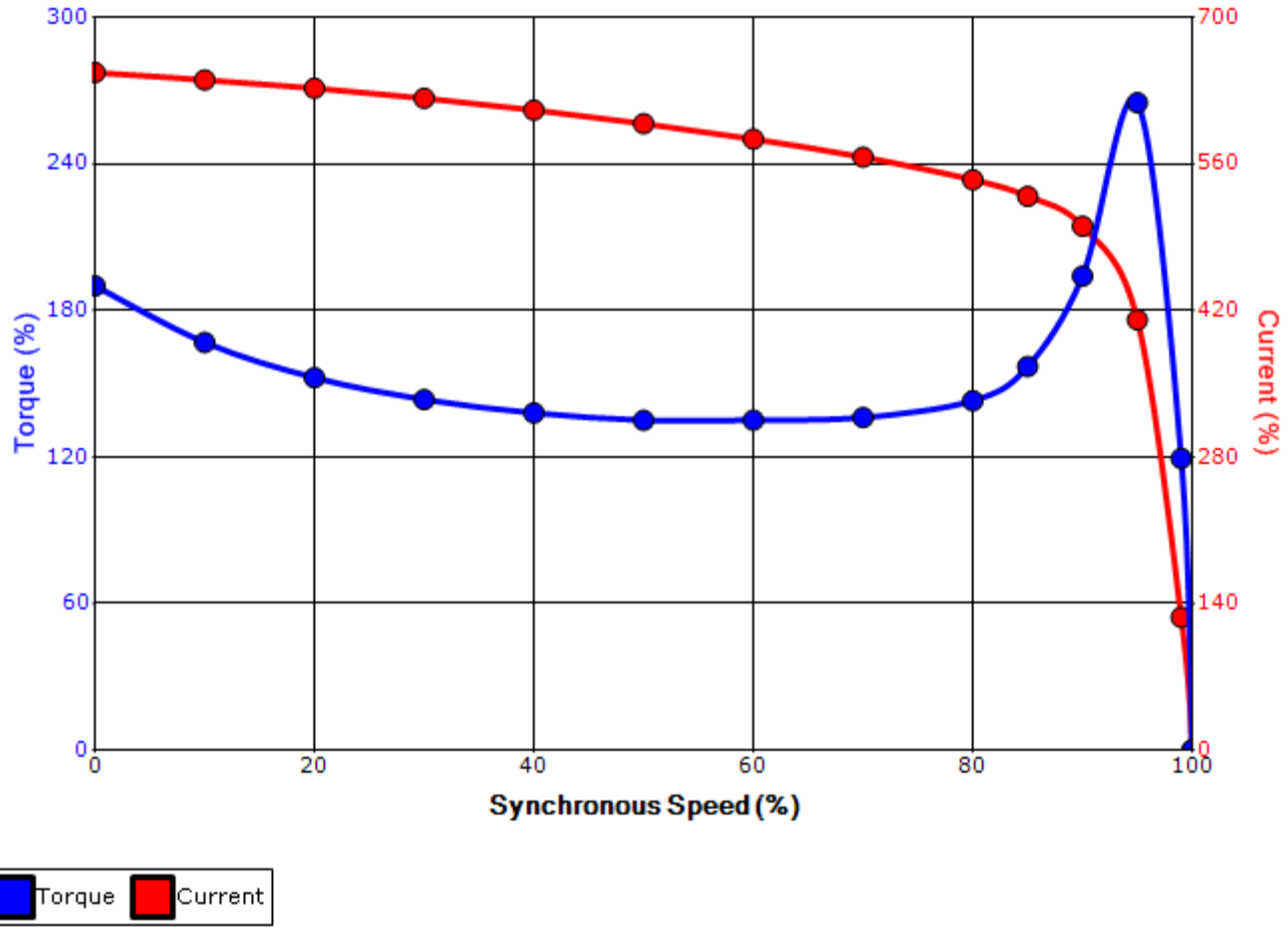
**Model:** B3004FLG3OMHD

| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
|---|---|---|---|---|---|---|---|---|
| 300 | 224 | 4 | 1780 | 5010US | 575 | 60 | 3 | 264 |

| Enclosure | IP | Ins. Class | S.F. | Duty | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
|---|---|---|---|---|---|---|---|---|
| TEFC | 56 | F | 1.15 | CONT | 96.2 | B | G | 40 C |

| Locked Rotor Amps | Rotor wk² Inertia (lb-ft²) | Torque | | | |
|---|---|---|---|---|---|
| | | Full Load (lb-ft) | Locked Rotor (%) | Pull Up (%) | Break Down (%) |
| 1715 | 158.12 | 885 | 190 | 135 | 265 |

## Design Values




| | | | | | |
|---|---|---|---|---|---|
| Customer | | | wk² Load Inertia (lb-ft²) | - |
| Customer PO | | | Load Type | - |
| Sales Order | | | Voltage (%) | 100 |
| Project # | | | Accel. Time | - |

**Tag:**

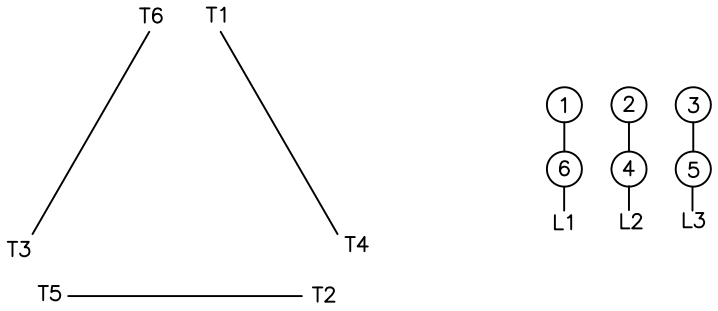
All characteristics are average expected values.

**TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.**

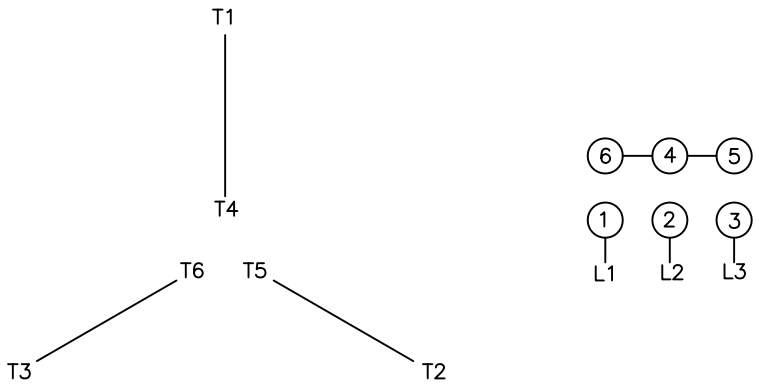
| | | | | | |
|---|---|---|---|---|---|
| Engineering | aacosta | Doc. Written By | D. Suarez | Doc.# / Rev | MPCF-1121/1 |
| Engr. Date | 5/16/2013 | Doc. Approved By | M. Campbell | Doc. Issued | 9/20/2019 |

# Motor Connection Diagrams
## 6 Leads

Across the Line Starting / Run - Delta:




Alternate Starting Connection - Wye:




Switch L1 and L2 to reverse rotation