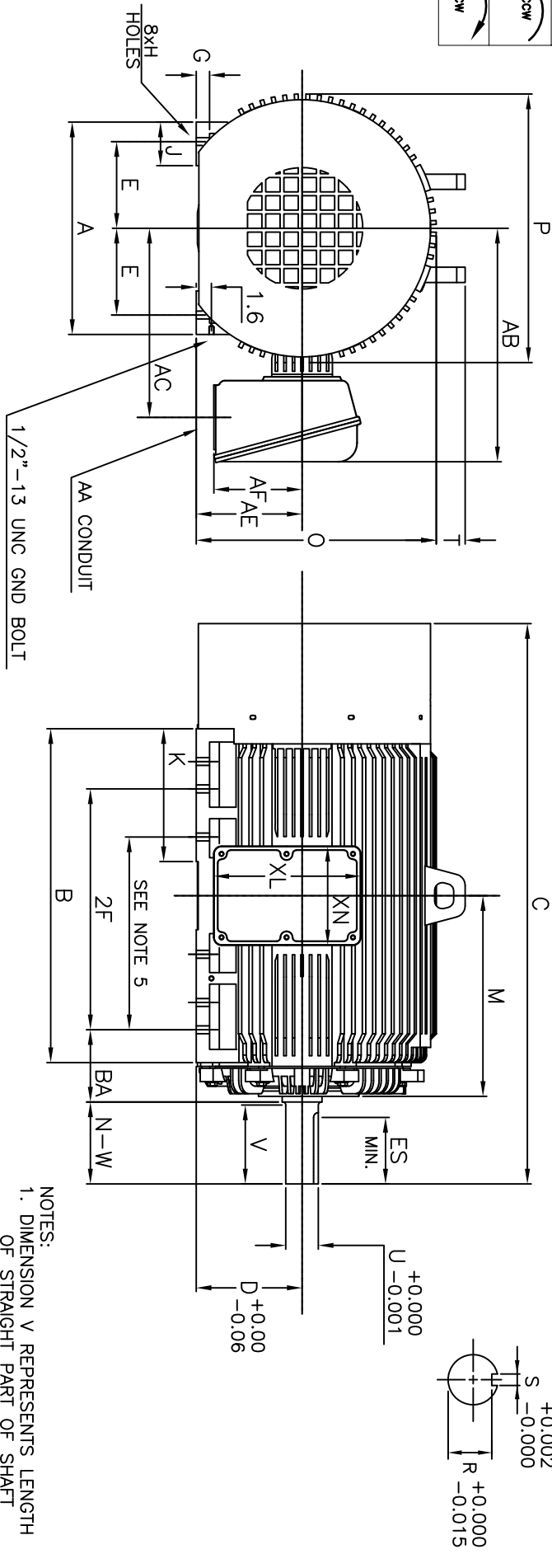
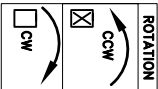




| FRAME SIZE    |  | MOTOR DIMENSIONS |             |      |       |                 |      |       |       |          |      | CONDUIT BOX |            |            |         |        |     |      |      |  |  |                |
|---------------|--|------------------|-------------|------|-------|-----------------|------|-------|-------|----------|------|-------------|------------|------------|---------|--------|-----|------|------|--|--|----------------|
|               |  | 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        | 58.2 | 11.00 | 1.4             | 4.6  | 13.8  | 20.9  | 25.0     | 27.0 | 3.0         | 4.00       | 24.3       | 19.7    | 11.00  | 9.2 | 15.3 | 10.3 |  |  |                |
| N447TS/N449TS |  | 22.0             | 34.7        | 54.5 | 11.00 | 1.4             | 4.6  | 13.8  | 20.9  | 25.0     | 27.0 | 3.0         | 4.00       | 24.3       | 19.7    | 11.00  | 9.2 | 15.3 | 10.3 |  |  |                |
| 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 |        |     |      |      |  |  |                |
| 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  | 6318C3 |     |      | 3800 |  |  |                |
| 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  | 6318C3 |     |      | lbs. |  |  |                |

CUSTOMER: \_\_\_\_\_ MOTOR MODEL NO.: \_\_\_\_\_ TAG NO's.: \_\_\_\_\_

P.O. NO.: \_\_\_\_\_ HP: \_\_\_\_\_ VOLTAGE: \_\_\_\_\_ RPM(SYN.): \_\_\_\_\_ HZ: \_\_\_\_\_

FRAME SIZE: \_\_\_\_\_ PRODUCT TYPE: IEFC EGP III, EPACK, & HIGH EFFICIENCY

COMMENTS: \_\_\_\_\_

PER: \_\_\_\_\_ DATE: \_\_\_\_\_

☒ STANDARD (NO AUX. BOXES)

☐ RTD AUX. BOX

☐ SPACE HEATER AUX. BOX

☐ BEARING RTD's

TOSHIBA RESERVES THE RIGHT TO MAKE CHANGES OF TECHNICAL IMPROVEMENT AND THE DATA MAY CHANGE WITHOUT NOTICE ☐ PRELIMINARY

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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

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## TYPICAL MOTOR PERFORMANCE DATA

Model: B2506FLF4BMHL

| HP        | kW  | Pole       | FL RPM | Frame | Voltage           | Hz             | Phase    | FL Amps         |
|-----------|-----|------------|--------|-------|-------------------|----------------|----------|-----------------|
| 250       | 186 | 6          | 1185   | N449T | 460               | 60             | 3        | 295             |
| Enclosure | IP  | Ins. Class | S.F.   | Duty  | NEMA<br>Nom. Eff. | NEMA<br>Design | kVA Code | Ambient<br>(°C) |
| TEFC      | 54  | F          | 1.15   | CONT  | 96.2              | B              | G        | 40 C            |

| Load         | HP     | kW    | Amperes | Efficiency (%) | Power Factor (%) |
|--------------|--------|-------|---------|----------------|------------------|
| Full Load    | 250    | 186.4 | 295.0   | 96.5           | 82.2             |
| ¾ Load       | 187.50 | 139.8 | 232.0   | 95.8           | 78.9             |
| ½ Load       | 125.00 | 93.2  | 176.0   | 94.2           | 70.5             |
| ¼ Load       | 62.50  | 46.6  | 132.4   | 89.0           | 49.7             |
| No Load      |        |       | 119.0   |                | 2.9              |
| Locked Rotor |        |       | 1805    |                | 24.3             |

| Torque               |                         |                    |                       | Rotor wk²<br>Inertia<br>(lb-ft²) |
|----------------------|-------------------------|--------------------|-----------------------|----------------------------------|
| Full Load<br>(lb-ft) | Locked Rotor<br>(% FLT) | Pull Up<br>(% FLT) | Break Down<br>(% FLT) |                                  |
| 1108                 | 155                     | 135                | 245                   | 159.00                           |

| Safe Stall Time(s) |     | Sound<br>Pressure<br>dB(A) @ 1M | Bearings* |        | Approx. Motor Weight<br>(lbs) |
|--------------------|-----|---------------------------------|-----------|--------|-------------------------------|
| Cold               | Hot |                                 | DE        | NDE    |                               |
| 32.39              | 15  | -                               | NU322C3   | 6318C3 | 3502                          |

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

## Motor Options:

Product Family:EQP Global SD

Mounting:Footed,Shaft:T Shaft

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

Tag:

All characteristics are average expected values.

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|             |           |                  |             |             |               |
|-------------|-----------|------------------|-------------|-------------|---------------|
| Engineering | amills    | Doc. Written By  | D. Suarez   | Doc.# / Rev | MPCF-1119 / 1 |
| Engr. Date  | 2/10/2012 | Doc. Approved By | M. Campbell | Doc. Issued | 9/20/2019     |

# TOSHIBA

Issued Date 9/24/2019

Transmit #

Issued By dschoeck

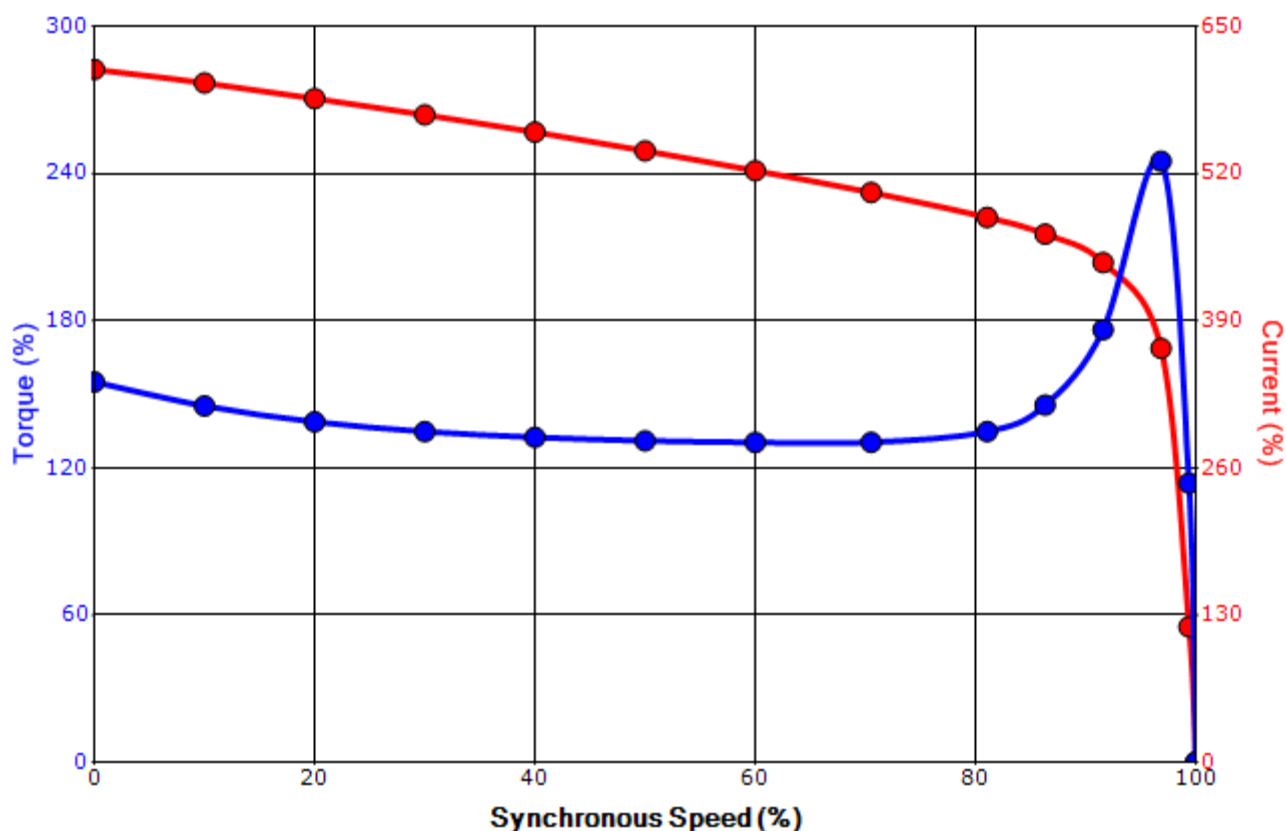
Issued Rev

## SPEED TORQUE/CURRENT CURVE

Model: B2506FLF4BMHL

| HP                | kW                                                  | Pole              | FL RPM           | Frame | Voltage        | Hz          | Phase          | FL Amps      |
|-------------------|-----------------------------------------------------|-------------------|------------------|-------|----------------|-------------|----------------|--------------|
| 250               | 186                                                 | 6                 | 1185             | N449T | 460            | 60          | 3              | 295          |
| Enclosure         | IP                                                  | Ins. Class        | S.F.             | Duty  | NEMA Nom. Eff. | NEMA Design | kVA Code       | Ambient (°C) |
| TEFC              | 54                                                  | F                 | 1.15             | CONT  | 96.2           | B           | G              | 40 C         |
| Locked Rotor Amps | Rotor wk <sup>2</sup> Inertia (lb-ft <sup>2</sup> ) | Torque            |                  |       |                |             |                |              |
|                   |                                                     | Full Load (lb-ft) | Locked Rotor (%) |       | Pull Up (%)    |             | Break Down (%) |              |
| 1805              | 159.00                                              | 1108              | 155              |       | 135            |             | 245            |              |

### Design Values



|             |  |                                                    |     |
|-------------|--|----------------------------------------------------|-----|
| Customer    |  | wk <sup>2</sup> Load Inertia (lb-ft <sup>2</sup> ) | -   |
| Customer PO |  | Load Type                                          | -   |
| Sales Order |  | Voltage (%)                                        | 100 |
| Project #   |  | Accel. Time                                        | -   |

Tag:

All characteristics are average expected values.

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|             |           |                  |             |             |             |
|-------------|-----------|------------------|-------------|-------------|-------------|
| Engineering | amills    | Doc. Written By  | D. Suarez   | Doc.# / Rev | MPCF-1121/1 |
| Engr. Date  | 2/10/2012 | 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