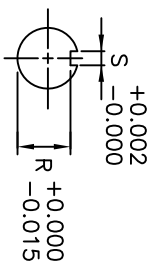
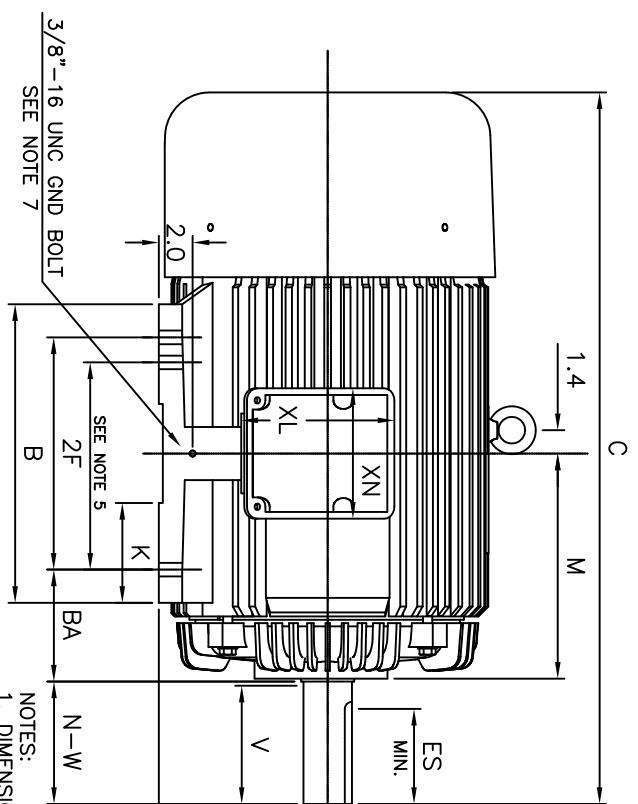
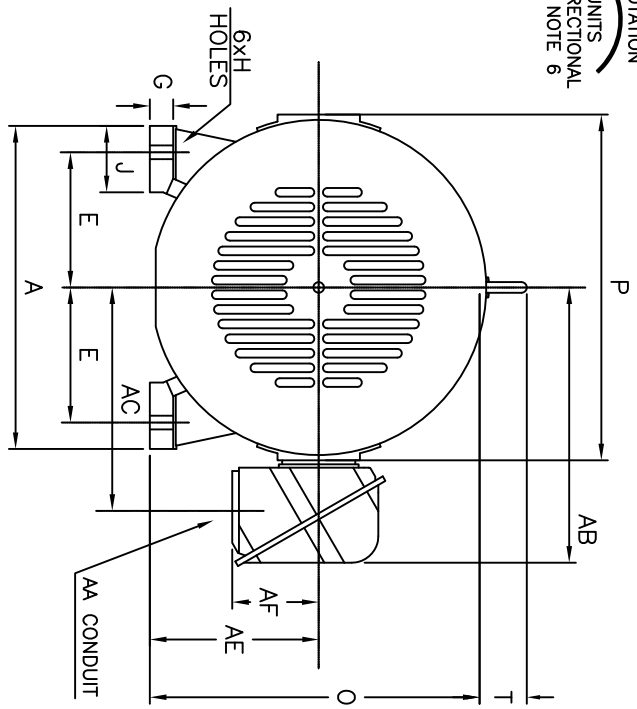


ROTATION  
UNITS  
BI-DIRECTIONAL  
SEE NOTE 6



UNITS: INCHES

| FRAME SIZE  | MOTOR DIMENSIONS |             |      |       |      |      |       |       |       |      |         | CONDUIT BOX                                     |       |          |       |          |       |                |       |
|-------------|------------------|-------------|------|-------|------|------|-------|-------|-------|------|---------|---|-------|----------|-------|----------|-------|----------------|-------|
|             | A                | B           | C    | D     | G    | J    | K     | M     | O     | P    | T       | A <sub>1</sub> [N <sub>1</sub> T <sub>1</sub> ] | AB    | AC       | AE    | AF       | XL    | XN             |       |
| 404TS/405TS | 19.2             | 17.7        | 39.2 | 10.00 | 1.4  | 4.0  | 5.9   | 14.7  | 19.5  | 20.5 | 2.8     | 3.00  | 16.5  | 13.3     | 10.00 | 5.2      | 9.1   | 7.7            |       |
| 404T/405T   | 19.2             | 17.7        | 42.2 | 10.00 | 1.4  | 4.0  | 5.9   | 14.7  | 19.5  | 20.5 | 2.8     | 3.00  | 16.5  | 13.3     | 10.00 | 5.2      | 9.1   | 7.7            |       |
| FRAME SIZE  | MOUNTING         |             |      |       |      |      |       |       |       |      |         | SHAFT EXTENSION                                 |       | KEY SEAT |       | BEARINGS |       | MAXIMUM WEIGHT |       |
|             | E                | 2F          | H    | BA    | NA   | V    | U     | R     | S     | ES   | LS      | OS  |       |          |       |          |       |                |       |
| 404TS/405TS | 8.00             | 12.25/13.75 | 0.81 | 6.62  | 4.25 | 4.00 | 2.125 | 1.845 | 0.500 | 2.75 | 6.313C3 | 6.313C3   | 1.380 | 1.380    | 1.380 | 1.380    | 1.380 | 1.380          | 1.380 |
| 404T/405T   | 8.00             | 12.25/13.75 | 0.81 | 6.62  | 4.25 | 4.00 | 2.875 | 2.450 | 0.750 | 5.62 | 6.317C3 | 6.313C3   | 1.380 | 1.380    | 1.380 | 1.380    | 1.380 | 1.380          | 1.380 |

- NOTES:
- DIMENSION V REPRESENTS LENGTH OF STRAIGHT PART OF SHAFT
  - MAIN CONDUIT BOX MAY BE ROTATED IN 90° INCREMENTS
  - KEY DIMENSIONS EQUAL S x S x 5.62 FOR T AND S x S x 2.75 FOR TS (MOTOR SUPPLIED WITH KEY)
  - MOTOR WEIGHT SHOWN IS MAXIMUM HORSEPOWER IN FRAME
  - THIS DIMENSION EQUALS 2F FOR 404T/TS MOUNTING
  - STANDARD PRODUCT USE BI-DIRECTIONAL FAN. OPPOSITE ROTATION AVAILABLE ONLY BY CONNECTION CHANGE
  - FRAME GROUND BOLT STANDARD ON 841 PRODUCT

CUSTOMER: \_\_\_\_\_ MOTOR MODEL NO.: \_\_\_\_\_ TAG NO's.: \_\_\_\_\_  
 P.O. NO.: \_\_\_\_\_ HP: \_\_\_\_\_ VOLTAGE: \_\_\_\_\_ RPM(SYN.): \_\_\_\_\_ Hz: \_\_\_\_\_  
 FRAME SIZE: \_\_\_\_\_ PRODUCT TYPE: EGP III 840 & 841  
 COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 PER: \_\_\_\_\_ DATE: \_\_\_\_\_

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STANDARD (NO AUX. BOXES)  
 RTD AUX. BOX  
 SPACE HEATER AUX. BOX  
 BEARING RTD's

**TOSHIBA**  
 TOSHIBA INTERNATIONAL CORPORATION  
 TOTALLY-ENCLOSED FAN-COOLED  
 HORIZONTAL FOOT-MOUNTED  
 3 PHASE INDUCTION MOTOR  
 F1 ASSEMBLY

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

### TYPICAL MOTOR PERFORMANCE DATA

Model: B0508FLF3BMHJ

| HP        | kW | Pole       | FL RPM | Frame | Voltage        | Hz          | Phase    | FL Amps      |
|-----------|----|------------|--------|-------|----------------|-------------|----------|--------------|
| 50        | 37 | 8          | 890    | 404T  | 230/460        | 60          | 3        | 158/79       |
| Enclosure | IP | Ins. Class | S.F.   | Duty  | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| TEFC      | 55 | F          | 1.15   | CONT  | 93.6           | -           | G        | 40 C         |

| Load         | HP    | kW   | Amperes | Efficiency (%) | Power Factor (%) |
|--------------|-------|------|---------|----------------|------------------|
| Full Load    | 50    | 37.3 | 79.0    | 94.2           | 63.0             |
| ¾ Load       | 37.50 | 28.0 | 71.9    | 92.6           | 52.7             |
| ½ Load       | 25.00 | 18.6 | 63.1    | 90.3           | 41.0             |
| ¼ Load       | 12.50 | 9.3  | 35.8    | 87.7           | 37.3             |
| No Load      |       |      | 47.3    |                | 2.6              |
| Locked Rotor |       |      | 362.5   |                | 31.2             |

| Torque            |                      |                 |                    | Rotor wk <sup>2</sup> Inertia (lb-ft <sup>2</sup> ) |
|-------------------|----------------------|-----------------|--------------------|---|
| Full Load (lb-ft) | Locked Rotor (% FLT) | Pull Up (% FLT) | Break Down (% FLT) |   |
| 295               | 185                  | 165             | 235                | 31.47   |

| Safe Stall Time(s) |     | Sound Pressure dB(A) @ 1M | Bearings* |        | Approx. Motor Weight (lbs) |
|--------------------|-----|---------------------------|-----------|--------|----------------------------|
| Cold               | Hot |                           | DE        | NDE    |                            |
| 32                 | 15  | -                         | 6317C3    | 6313C3 | 1300                       |

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

**Motor Options:**  
 Product Family:EQPIII 841  
 Mounting:Footed,Shaft:T 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  | 6/18/2012 | Doc. Approved By | M. Campbell | Doc. Issued | 9/20/2019     |



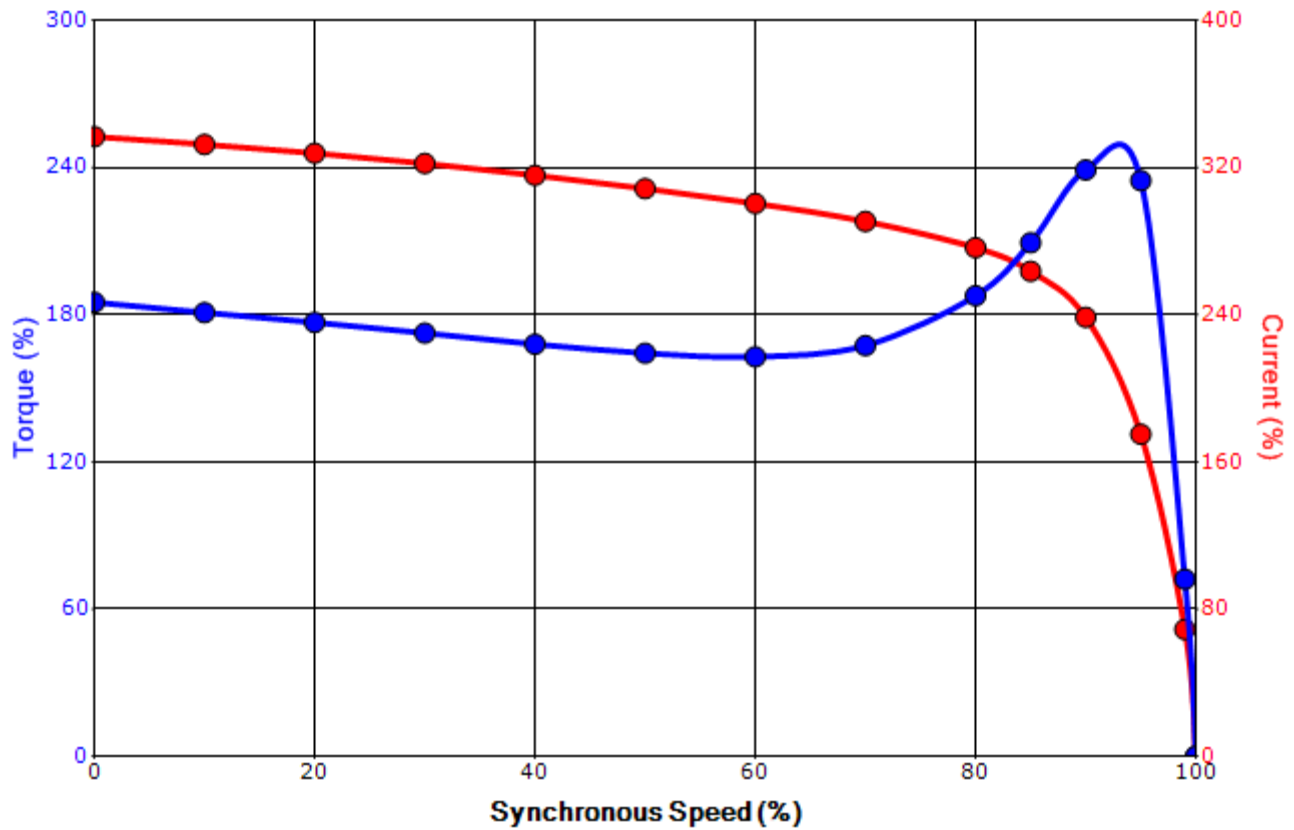
|             |           |            |  |
|-------------|-----------|------------|--|
| Issued Date | 9/24/2019 | Transmit # |  |
| Issued By   | dschoeck  | Issued Rev |  |

### SPEED TORQUE/CURRENT CURVE

Model: B0508FLF3BMHJ

|                   |   |                   |                  |             |                |             |          |              |
|-------------------|---|-------------------|------------------|-------------|----------------|-------------|----------|--------------|
| HP                | kW  | Pole              | FL RPM           | Frame       | Voltage        | Hz          | Phase    | FL Amps      |
| 50                | 37  | 8                 | 890              | 404T        | 230/460        | 60          | 3        | 158/79       |
| Enclosure         | IP  | Ins. Class        | S.F.             | Duty        | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| TEFC              | 55  | F                 | 1.15             | CONT        | 93.6           | -           | 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 (%) |             |          |              |
| 362.5             | 31.47   | 295               | 185              | 165         | 235            |             |          |              |

### 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.

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

|             |           |                  |             |             |             |
|-------------|-----------|------------------|-------------|-------------|-------------|
| Engineering | aacosta   | Doc. Written By  | D. Suarez   | Doc.# / Rev | MPCF-1121/1 |
| Engr. Date  | 6/18/2012 | Doc. Approved By | M. Campbell | Doc. Issued | 9/20/2019   |

### Motor Connection Diagram 3 Leads - Delta Connection



Switch L1 and L2 to reverse rotation

Each lead may consist of more than one cable.  
If multiple cables represent a single lead, each one  
of them will be labeled with the appropriate lead number.