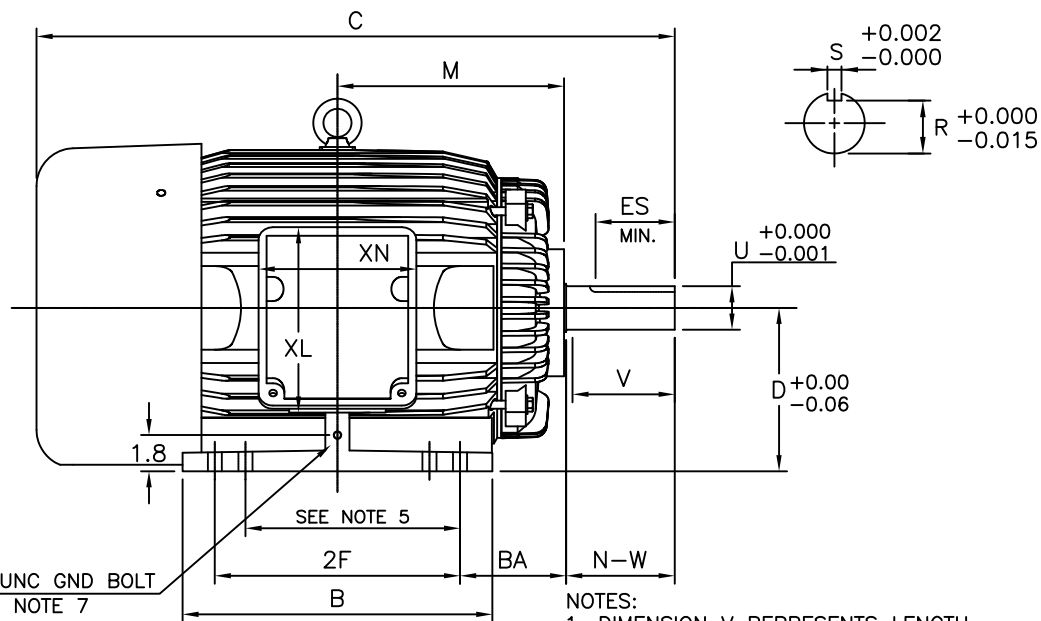
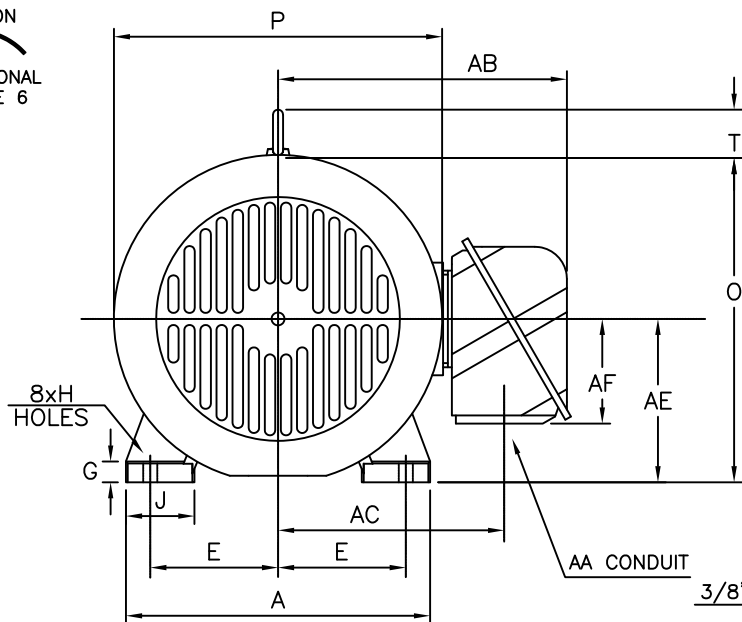


ROTATION  
UNITS  
BI-DIRECTIONAL  
SEE NOTE 6



3/8"-16 UNC GND BOLT  
SEE NOTE 7

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 3.88 FOR T AND S x S x 2.00 FOR TS (MOTOR SUPPLIED WITH KEY)
4. MOTOR WEIGHT SHOWN IS MAXIMUM HORSEPOWER IN FRAME
5. THIS DIMENSION EQUALS 2F FOR 324T/TS 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  |
| 324TS/326TS | 14.9             | 15.2 | 29.7 | 8.00 | 0.9 | 3.2 | 0 | 11.1 | 15.9 | 16.1 | 2.4 | 2.00        | 14.3 | 11.1 | 8.00 | 5.1 | 9.1 | 7.7 |
| 324T/326T   | 14.9             | 15.2 | 31.2 | 8.00 | 0.9 | 3.2 | 0 | 11.1 | 15.9 | 16.1 | 2.4 | 2.00        | 14.3 | 11.1 | 8.00 | 5.1 | 9.1 | 7.7 |

| FRAME SIZE  | MOUNTING |             |      |      | SHAFT EXTENSION |      |       | KEY SEAT |       |      | BEARINGS |        | MAXIMUM WEIGHT |
|-------------|----------|-------------|------|------|-----------------|------|-------|----------|-------|------|----------|--------|----------------|
|             | E        | 2F          | H    | BA   | N-W             | V    | U     | R        | S     | ES   | LS       | OS     |                |
| 324TS/326TS | 6.25     | 10.50/12.00 | 0.69 | 5.25 | 3.75            | 3.50 | 1.875 | 1.591    | 0.500 | 2.00 | 6312C3   | 6312C3 | 650 lbs.       |
| 324T/326T   | 6.25     | 10.50/12.00 | 0.69 | 5.25 | 5.25            | 5.00 | 2.125 | 1.845    | 0.500 | 3.88 | 6312C3   | 6312C3 | 650 lbs.       |

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

TAG NO's.:

.....  
 .....  
 .....  
 .....  
 .....  
 .....

|                                     |                          |
|-------------------------------------|--------------------------|
| <input checked="" type="checkbox"/> | STANDARD (NO AUX. BOXES) |
| <input type="checkbox"/>            | RTD AUX. BOX             |
| <input type="checkbox"/>            | SPACE HEATER AUX. BOX    |
| <input type="checkbox"/>            | 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**

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**TYPICAL MOTOR PERFORMANCE DATA**

Model: B0404FLF3BSHJ01

| HP        | kW | Pole       | FL RPM | Frame | Voltage        | Hz          | Phase    | FL Amps      |
|-----------|----|------------|--------|-------|----------------|-------------|----------|--------------|
| 40        | 30 | 4          | 1770   | 324T  | 460            | 60          | 3        | 47           |
| Enclosure | IP | Ins. Class | S.F.   | Duty  | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| TEFC      | 55 | F          | 1.15   | CONT  | 94.1           | B           | G        | 40 C         |

| Load         | HP    | kW   | Amperes | Efficiency (%) | Power Factor (%) |
|--------------|-------|------|---------|----------------|------------------|
| Full Load    | 40    | 29.8 | 47.0    | 94.1           | 84.5             |
| ¾ Load       | 30.00 | 22.4 | 36.5    | 94.5           | 82.0             |
| ½ Load       | 20.00 | 14.9 | 27.2    | 94.2           | 75.0             |
| ¼ Load       | 10.00 | 7.5  | 19.9    | 85.9           | 54.8             |
| No Load      |       |      | 15.0    |                | 5.0              |
| Locked Rotor |       |      | 290.00  |                | 46.3             |

| Torque               |                         |                    |                       | Rotor wk <sup>2</sup><br>Inertia<br>(lb-ft <sup>2</sup> ) |
|----------------------|-------------------------|--------------------|-----------------------|---|
| Full Load<br>(lb-ft) | Locked Rotor<br>(% FLT) | Pull Up<br>(% FLT) | Break Down<br>(% FLT) |   |
| 119                  | 290                     | 255                | 255                   | 7.92  |

| Safe Stall Time(s) |     | Sound Pressure<br>dB(A) @ 1M | Bearings* |        | Approx. Motor Weight<br>(lbs) |
|--------------------|-----|------------------------------|-----------|--------|-------------------------------|
| Cold               | Hot |                              | DE        | NDE    |                               |
| 24                 | 15  | -                            | 6312C3TMB | 6312C3 |                               |

\*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.

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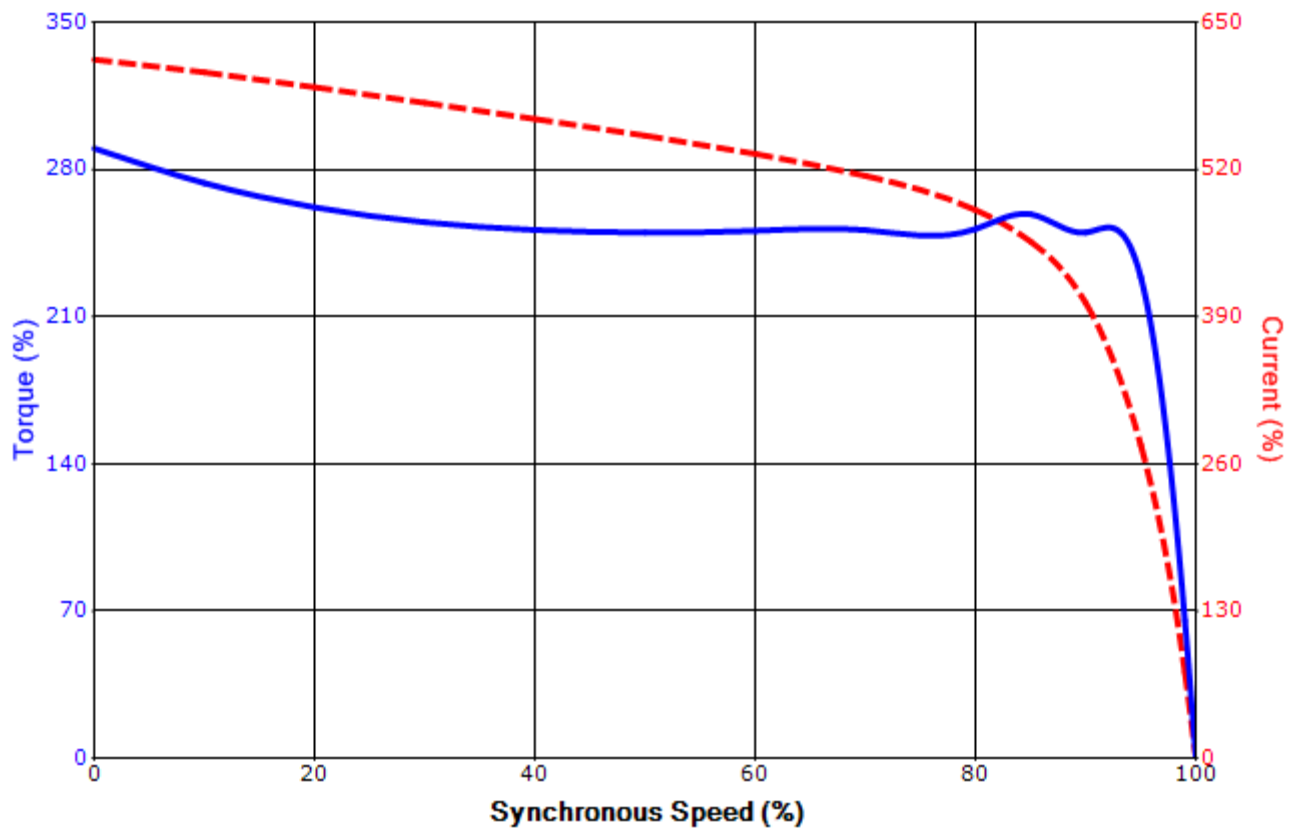
|             |          |                  |             |             |               |
|-------------|----------|------------------|-------------|-------------|---------------|
| Engineering | gminetos | Doc. Written By  | D. Suarez   | Doc.# / Rev | MPCF-1119 / 0 |
| Engr. Date  | 7/8/2013 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011      |

**SPEED TORQUE/CURRENT CURVE**

Model: B0404FLF3BSHJ01

|                   |   |                   |                  |             |                |             |          |                |
|-------------------|---|-------------------|------------------|-------------|----------------|-------------|----------|----------------|
| HP                | kW  | Pole              | FL RPM           | Frame       | Voltage        | Hz          | Phase    | FL Amps        |
| 40                | 30  | 4                 | 1770             | 324T        | 460            | 60          | 3        | 47             |
| Enclosure         | IP  | Ins. Class        | S.F.             | Duty        | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C)   |
| TEFC              | 55  | F                 | 1.15             | CONT        | 94.1           | B           | G        | 40 C           |
| Locked Rotor Amps | Rotor wk <sup>2</sup> Inertia (lb-ft <sup>2</sup> ) | Torque            |                  |             |                |             |          | Break Down (%) |
|                   |   | Full Load (lb-ft) | Locked Rotor (%) | Pull Up (%) |                |             |          |                |
| 290.00            | 7.92  | 119               | 290              | 255         |                |             | 255      |                |

**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 | gminetos | Doc. Written By  | D. Suarez   | Doc.# / Rev | MPCF-1121 / 0 |
| Engr. Date  | 7/8/2013 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011      |

**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.