

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 |
| 404TS/405TS | 19.2 | 17.7 | 38.5 | 10.00 | 1.4 | 4.0 | 5.9 | 14.7 | 19.5 | 20.5 | 2.8 | 3.00 | 16.0 | 13.3 | 10.00 | 5.6 | 9.7 | 7.1 |
| 404T/405T | 19.2 | 17.7 | 41.5 | 10.00 | 1.4 | 4.0 | 5.9 | 14.7 | 19.5 | 20.5 | 2.8 | 3.00 | 16.0 | 13.3 | 10.00 | 5.6 | 9.7 | 7.1 |
| FRAME SIZE | MOUNTING | | | SHAFT EXTENSION | | | KEY SEAT | | | BEARINGS | | | MAXIMUM WEIGHT | | | | | |
| | E | 2F | H | BA | N-W | 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 lbs. | | | | | |
| 404T/405T | 8.00 | 12.25/13.75 | 0.81 | 6.62 | 7.25 | 7.00 | 2.875 | 2.450 | 0.750 | 5.62 | 6.317C3 | 6.313C3 | 1.380 lbs. | | | | | |

CUSTOMER: _____ MOTOR MODEL NO.: _____ TAG NO's: _____

P.O. NO.: _____ HP: _____ VOLTAGE: _____ RPM(SYN): _____ Hz: _____
 FRAME SIZE: _____ PRODUCT TYPE: IEFEC EGP III, EPACT, & HIGH EFFICIENCY
 COMMENTS: _____

PER: _____ DATE: _____

TOSHIBA RESERVES THE RIGHT TO MAKE CHANGES OF TECHNICAL IMPROVEMENT AND THE DATA MAY CHANGE WITHOUT NOTICE PRELIMINARY
 DO NOT USE FOR CONSTRUCTION, INSTALLATION, OR APPLICATION PURPOSES UNLESS THE DRAWING IS MARKED AS CERTIFIED CERTIFIED

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

- NOTES:
- DIMENSION V REPRESENTS LENGTH OF STRAIGHT PART OF SHAFT OF 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

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 | |

TYPICAL MOTOR PERFORMANCE DATA

Model: B0508FLF3OMH

| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
|-----------|----|------------|--------|-------|----------------|-------------|----------|--------------|
| 50 | 37 | 8 | 885 | 404T | 575 | 60 | 3 | 63 |
| Enclosure | IP | Ins. Class | S.F. | Duty | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| TEFC | 44 | F | 1.15 | CONT | 93.6 | - | G | 40 C |

| Load | HP | kW | Amperes | Efficiency (%) | Power Factor (%) |
|--------------|-------|------|---------|----------------|------------------|
| Full Load | 50 | 37.3 | 63.1 | 93.5 | 65.5 |
| ¾ Load | 37.50 | 28.0 | 53.8 | 92.7 | 56.3 |
| ½ Load | 25.00 | 18.6 | 46.3 | 90.6 | 44.6 |
| ¼ Load | 12.50 | 9.3 | 28.9 | 87.2 | 37.1 |
| No Load | | | 36.0 | | 2.6 |
| Locked Rotor | | | 285.9 | | 30.8 |

| Torque | | | | Rotor wk ² Inertia (lb-ft ²) |
|----------------------|-------------------------|--------------------|-----------------------|---|
| Full Load (lb-ft) | Locked Rotor (% FLT) | Pull Up (% FLT) | Break Down (% FLT) | |
| 296 | 175 | 160 | 225 | 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
 Mounting:Footed,Shaft:T Shaft

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

Tag:

All characteristics are average expected values.

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| | | | | | |
|-------------|-----------|------------------|-------------|-------------|---------------|
| 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 |



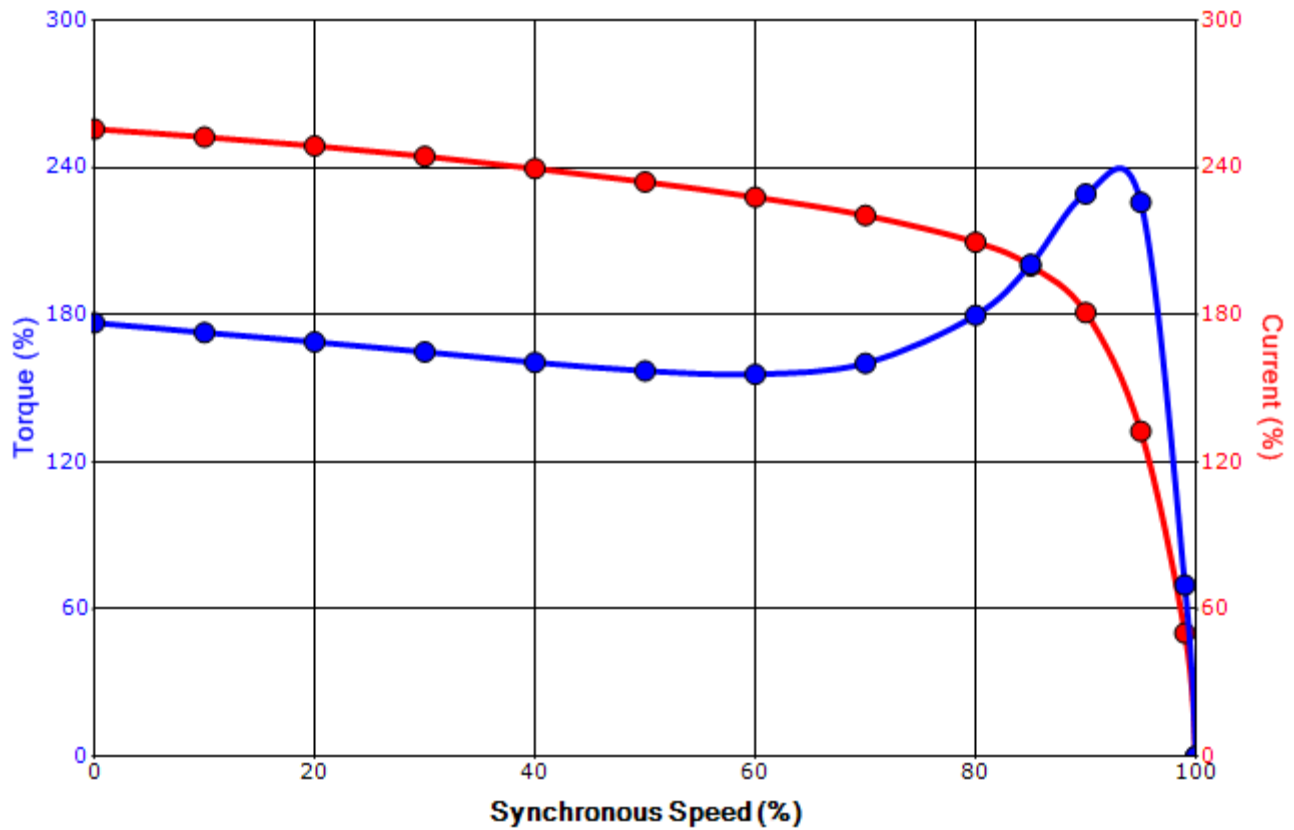
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SPEED TORQUE/CURRENT CURVE

Model: B0508FLF3OMH

| | | | | | | | | |
|-------------------|---|-------------------|------------------|-------|----------------|-------------|----------------|--------------|
| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
| 50 | 37 | 8 | 885 | 404T | 575 | 60 | 3 | 63 |
| Enclosure | IP | Ins. Class | S.F. | Duty | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| TEFC | 44 | F | 1.15 | CONT | 93.6 | - | G | 40 C |
| Locked Rotor Amps | Rotor wk ² Inertia (lb-ft ²) | Torque | | | | Pull Up (%) | Break Down (%) | |
| | | Full Load (lb-ft) | Locked Rotor (%) | | | | | |
| 285.9 | 31.47 | 296 | 175 | | 160 | 225 | | |

Design Values



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

Tag:

All characteristics are average expected values.

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| | | | | | |
|-------------|-----------|------------------|-------------|-------------|-------------|
| 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.