

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 |
| 444T/445T | 21.9 | 19.3 | 48.4 | 11.00 | 1.1 | 4.3 | 4.8 | 15.8 | 22.0 | 22.4 | 3.6 | 3.00 | 21.5 | 16.4 | 11.00 | 8.7 | 15.7 | 11.5 |

| FRAME SIZE | MOUNTING | | | | SHAFT EXTENSION | | | | KEY SEAT | | | BEARINGS | | | MAXIMUM WEIGHT |
|------------|----------|-------------|------|------|-----------------|------|-------|-------|----------|------|---------|----------|-----------|--|----------------|
| | E | 2F | H | BA | N-W | V | U | R | S | ES | LS | OS | | | |
| 444T/445T | 9.00 | 14.50/16.50 | 0.81 | 7.50 | 8.50 | 8.25 | 3.375 | 2.880 | 0.875 | 6.88 | NU318C3 | 6318C3 | 2000 lbs. | | |

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

P.O. NO.: _____ HP: _____ VOLTAGE: _____ RPM(SYN.): _____ Hz: _____
 FRAME SIZE: _____ PRODUCT TYPE: IEF3 EQP III 840 EFF & HIGH EFFICIENCY
 COMMENTS: _____

 PER: _____ DATE: _____

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- NOTES:
1. DIMENSION V REPRESENTS LENGTH OF STRAIGHT PART OF SHAFT OF MAIN CONDUIT BOX MAY BE ROTATED IN 90° INCREMENTS
 2. MAIN CONDUIT BOX MAY BE ROTATED IN 90° INCREMENTS
 3. KEY DIMENSIONS EQUAL S x S x 6.88 (MOTOR SUPPLIED WITH KEY)
 4. MOTOR WEIGHT SHOWN IS MAXIMUM HORSEPOWER IN FRAME
 5. THIS DIMENSION EQUALS 2F FOR 444T MOUNTING
 6. STANDARD PRODUCT USE BI-DIRECTIONAL FAN. OPPOSITE ROTATION AVAILABLE ONLY BY CONNECTION CHANGE

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

XT SERIES
 VISIT OUR WEBSITE AT:
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TYPICAL MOTOR PERFORMANCE DATA

Model: B1008FLF4OSH

| | | | | | | | | |
|-----------|----|------------|--------|-------|----------------|-------------|----------|--------------|
| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
| 100 | 75 | 8 | 885 | 445T | 575 | 60 | 3 | 125 |
| Enclosure | IP | Ins. Class | S.F. | Duty | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| TEFC | 44 | F | 1.15 | CONT | 93.6 | B | G | 40 C |

| | | | | | |
|--------------|-------|------|---------|----------------|------------------|
| Load | HP | kW | Amperes | Efficiency (%) | Power Factor (%) |
| Full Load | 100 | 74.6 | 125.0 | 93.6 | 65.0 |
| ¾ Load | 75.00 | 55.9 | 102.1 | 93.2 | 58.5 |
| ½ Load | 50.00 | 37.3 | 85.9 | 92.6 | 47.1 |
| ¼ Load | 25.00 | 18.6 | 66.9 | 88.0 | 31.8 |
| No Load | | | 70.8 | | 1.8 |
| Locked Rotor | | | 579.30 | | 32.4 |

| | | | | |
|-------------------|----------------------|-----------------|--------------------|-------------------------------|
| Torque | | | | Rotor wk ² |
| Full Load (lb-ft) | Locked Rotor (% FLT) | Pull Up (% FLT) | Break Down (% FLT) | Inertia (lb-ft ²) |
| 593 | 200 | 135 | 200 | 64.27 |

| | | | | | |
|--------------------|-----|---------------------------|-----------|--------|----------------------------|
| Safe Stall Time(s) | | Sound Pressure dB(A) @ 1M | Bearings* | | Approx. Motor Weight (lbs) |
| Cold | Hot | | DE | NDE | |
| 30 | 10 | - | NU318C3 | 6318C3 | |

*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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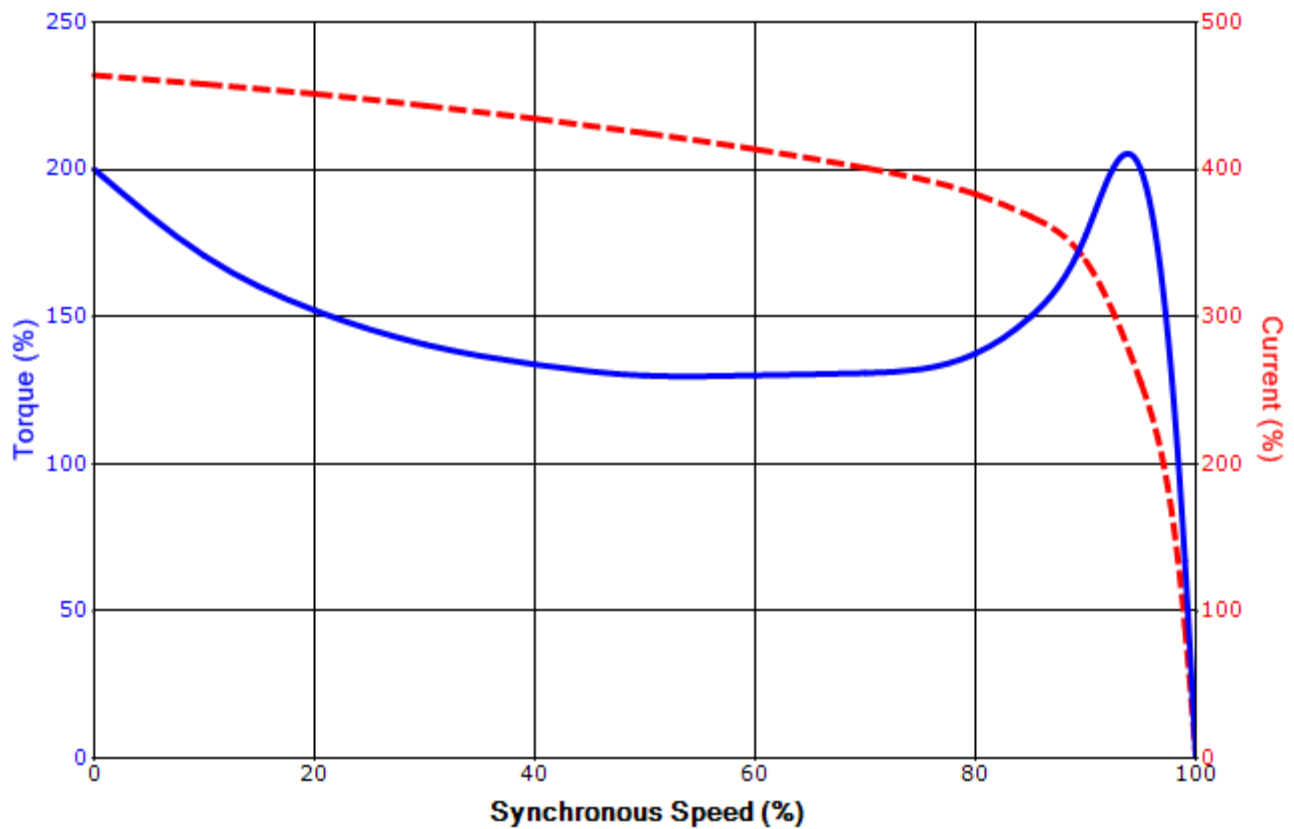
| | | | | | |
|-------------|-----------|------------------|-------------|-------------|---------------|
| Engineering | jhock | Doc. Written By | D. Suarez | Doc.# / Rev | MPCF-1119 / 0 |
| Engr. Date | 5/22/2013 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011 |

SPEED TORQUE/CURRENT CURVE

Model: B1008FLF4OSH

| | | | | | | | | |
|-------------------|---|-------------------|------------------|-------------|----------------|-------------|----------|----------------|
| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
| 100 | 75 | 8 | 885 | 445T | 575 | 60 | 3 | 125 |
| Enclosure | IP | Ins. Class | S.F. | Duty | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| TEFC | 44 | F | 1.15 | CONT | 93.6 | B | G | 40 C |
| Locked Rotor Amps | Rotor wk ² Inertia (lb-ft ²) | Torque | | | | | | Break Down (%) |
| | | Full Load (lb-ft) | Locked Rotor (%) | Pull Up (%) | | | | |
| 579.30 | 64.27 | 593 | 200 | 135 | | | 200 | |

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 | jhock | Doc. Written By | D. Suarez | Doc.# / Rev | MPCF-1121 / 0 |
| Engr. Date | 5/22/2013 | 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.