

UNITS: INCHES

| FRAME SIZE | MOTOR DIMENSIONS | | | | | | | | | | | CONDUIT BOX | | | | | | |
|------------|------------------|------|------|------|-----|-----|---|-----|------|------|-----|-------------|------|-----|------|-----|-----|-----|
| | A | B | C | D | G | J | K | M | O | P | T | AA | AB | AC | AE | AF | XL | XN |
| 254T/256T | 12.3 | 11.7 | 24.2 | 6.25 | 0.8 | 2.3 | 0 | 9.0 | 13.4 | 13.0 | 2.0 | 1.25 | 12.3 | 9.9 | 6.25 | 2.8 | 7.0 | 6.1 |

| FRAME SIZE | MOUNTING | | | | | SHAFT EXTENSION | | | KEY SEAT | | | BEARINGS | | | MAXIMUM WEIGHT |
|------------|----------|------------|------|------|------|-----------------|-------|-------|----------|------|--------|----------|----------|--|----------------|
| | E | 2F | H | BA | N-W | V | U | R | S | ES | LS | OS | OS | | |
| 254T/256T | 5.00 | 8.25/10.00 | 0.56 | 4.25 | 4.00 | 3.75 | 1.625 | 1.416 | 0.375 | 2.88 | 6309UU | 6208UU | 310 lbs. | | |

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

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

PER: _____ DATE: _____

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- 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 2.88 (MOTOR SUPPLIED WITH KEY)
 4. MOTOR WEIGHT SHOWN IS MAXIMUM HORSEPOWER IN FRAME
 5. THIS DIMENSION EQUALS 2F FOR 254T 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:
 www.toshiba.com/ind

TYPICAL MOTOR PERFORMANCE DATA

Model: B0202FLF2USH02

| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
|-----------|----|------------|--------|-------|----------------|-------------|----------|--------------|
| 20 | 15 | 2 | 3530 | 256T | 460 | 60 | 3 | 21 |
| Enclosure | IP | Ins. Class | S.F. | Duty | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| TEFC | 44 | F | 1.15 | CONT | 92.4 | B | G | 40 C |

| Load | HP | kW | Amperes | Efficiency (%) | Power Factor (%) |
|--------------|-------|------|---------|----------------|------------------|
| Full Load | 20 | 14.9 | 21.0 | 92.5 | 92.9 |
| ¾ Load | 15.00 | 11.2 | 16.5 | 93.2 | 92.3 |
| ½ Load | 10.00 | 7.5 | 11.6 | 93.2 | 88.9 |
| ¼ Load | 5.00 | 3.7 | 7.2 | 84.9 | 75.9 |
| No Load | | | 4.1 | | 11.4 |
| Locked Rotor | | | 145.00 | | 38.6 |

| Torque | | | | Rotor wk ² Inertia (lb-ft ²) |
|----------------------|-------------------------|--------------------|-----------------------|---|
| Full Load (lb-ft) | Locked Rotor (% FLT) | Pull Up (% FLT) | Break Down (% FLT) | |
| 29.8 | 200 | 200 | 280 | 2.07 |

| Safe Stall Time(s) | | Sound Pressure dB(A) @ 1M | Bearings* | | Approx. Motor Weight (lbs) |
|--------------------|-----|------------------------------|-----------|--------|-------------------------------|
| Cold | Hot | | DE | NDE | |
| 29 | 12 | - | 6309UUC3 | 6208UU | |

*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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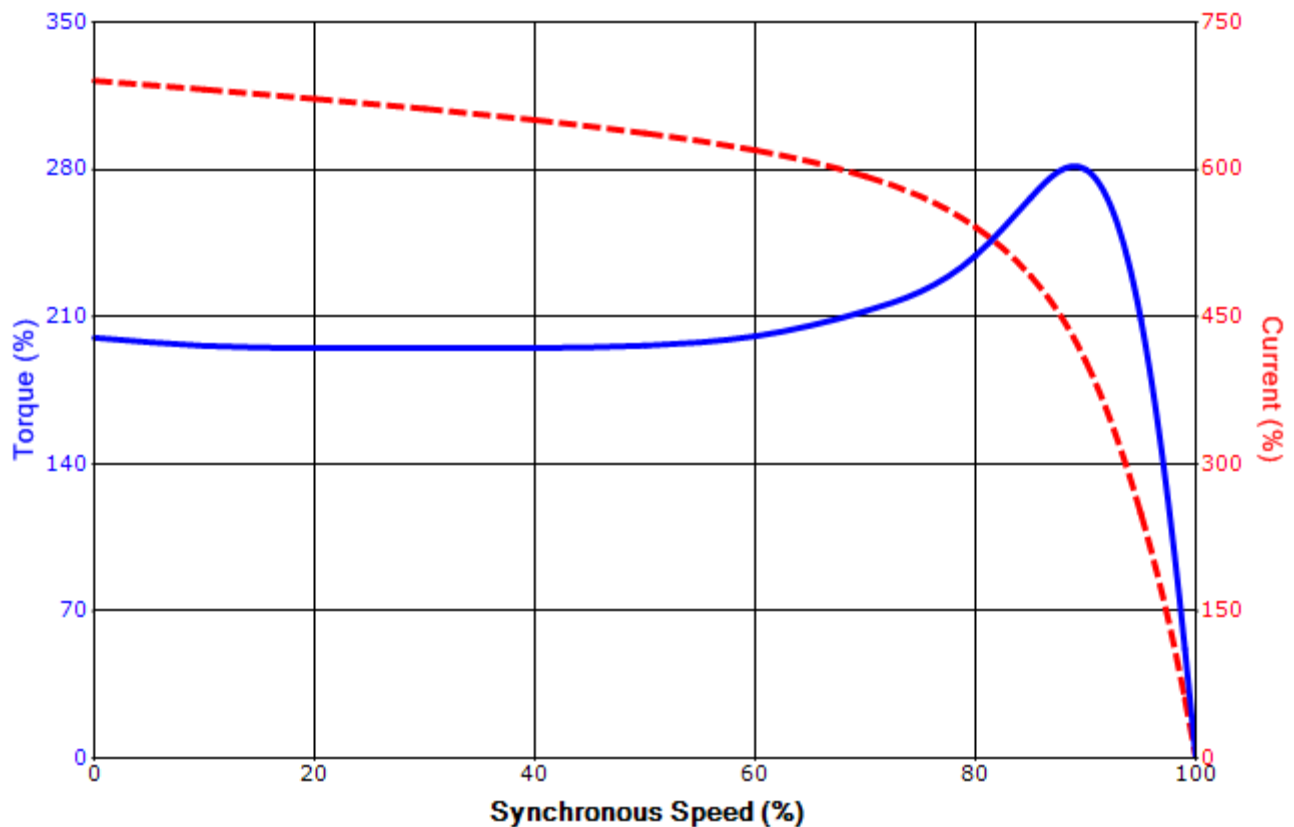
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|-------------|-----------|------------------|-------------|-------------|---------------|
| Engineering | gminetos | Doc. Written By | D. Suarez | Doc.# / Rev | MPCF-1119 / 0 |
| Engr. Date | 6/27/2013 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011 |

SPEED TORQUE/CURRENT CURVE

Model: B0202FLF2USH02

| | | | | | | | | |
|-------------------|---|-------------------|------------------|-------------|----------------|-------------|----------|----------------|
| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
| 20 | 15 | 2 | 3530 | 256T | 460 | 60 | 3 | 21 |
| Enclosure | IP | Ins. Class | S.F. | Duty | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| TEFC | 44 | F | 1.15 | CONT | 92.4 | 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 (%) | | | | |
| 145.00 | 2.07 | 29.8 | 200 | 200 | | | 280 | |

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 | gminetos | Doc. Written By | D. Suarez | Doc.# / Rev | MPCF-1121 / 0 |
| Engr. Date | 6/27/2013 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011 |

Motor Connection Diagrams
12 Leads

Across-the-Line Starting / Running Connections

Low Voltage Delta



High Voltage Delta



Switch L1 and L2 to reverse rotation

Suitable for Wye-Delta Starting and Limited Part-Winding-Starting.
Please Contact Toshiba International for specific connections.