

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 |
| 182T/184T | 8.8 | 6.6 | 15.5 | 4.50 | 0.5 | 1.6 | 0 | 5.3 | 9.4 | 9.6 | 2.0 | 0.75 | 7.7 | 6.3 | 4.5 | 2.3 | 5.3 | 4.6 |

| FRAME SIZE | MOUNTING | | | | | SHAFT EXTENSION | | | | | KEY SEAT | | | BEARINGS | | | MAXIMUM WEIGHT |
|------------|----------|-----------|------|------|------|-----------------|-------|-------|-------|------|----------|--------|---------|----------|----|----|----------------|
| | E | 2F | H | BA | N-W | V | U | R | S | ES | LS | OS | AE | AF | XL | XN | |
| 182T/184T | 3.75 | 4.50/5.50 | 0.44 | 2.75 | 2.75 | 2.50 | 1.125 | 0.986 | 0.250 | 1.79 | 6207ZZ | 6205ZZ | 95 lbs. | | | | |

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

P.O. NO.: _____ HP: _____ VOLTAGE: _____ RPM(SYN.): _____ Hz: _____
 FRAME SIZE: _____ PRODUCT TYPE: IIEFC 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 1.75 (MOTOR SUPPLIED WITH KEY)
 4. MOTOR WEIGHT SHOWN IS MAXIMUM HORSEPOWER IN FRAME
 5. THIS DIMENSION EQUALS 2F FOR 182T 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: B0032FLF2AMH03

| | | | | | | | | |
|-----------|-----|------------|--------|-------|----------------|-------------|----------|--------------|
| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
| 3 | 2.2 | 2 | 3510 | 182T | 460 | 60 | 3 | 3.50 |
| Enclosure | IP | Ins. Class | S.F. | Duty | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| TEFC | 44 | F | 1.15 | CONT | 88.5 | B | K | 40 C |

| | | | | | |
|--------------|------|-----|---------|----------------|------------------|
| Load | HP | kW | Amperes | Efficiency (%) | Power Factor (%) |
| Full Load | 3 | 2.2 | 3.5 | 88.8 | 91.1 |
| ¾ Load | 2.25 | 1.7 | 2.6 | 88.9 | 87.9 |
| ½ Load | 1.50 | 1.1 | 2.0 | 87.6 | 81.0 |
| ¼ Load | 0.75 | 0.6 | 1.4 | 76.7 | 62.8 |
| No Load | | | 1.1 | | 10.4 |
| Locked Rotor | | | 32.00 | | 54.8 |

| | | | | |
|-------------------|----------------------|-----------------|--------------------|-------------------------------|
| Torque | | | | Rotor wk ² |
| Full Load (lb-ft) | Locked Rotor (% FLT) | Pull Up (% FLT) | Break Down (% FLT) | Inertia (lb-ft ²) |
| 4.49 | 245 | 325 | 385 | 0.17 |

| | | | | | |
|--------------------|-----|---------------------------|-----------|--------|----------------------------|
| Safe Stall Time(s) | | Sound Pressure dB(A) @ 1M | Bearings* | | Approx. Motor Weight (lbs) |
| Cold | Hot | | DE | NDE | |
| 30 | 24 | - | 6207ZZ | 6205ZZ | |

*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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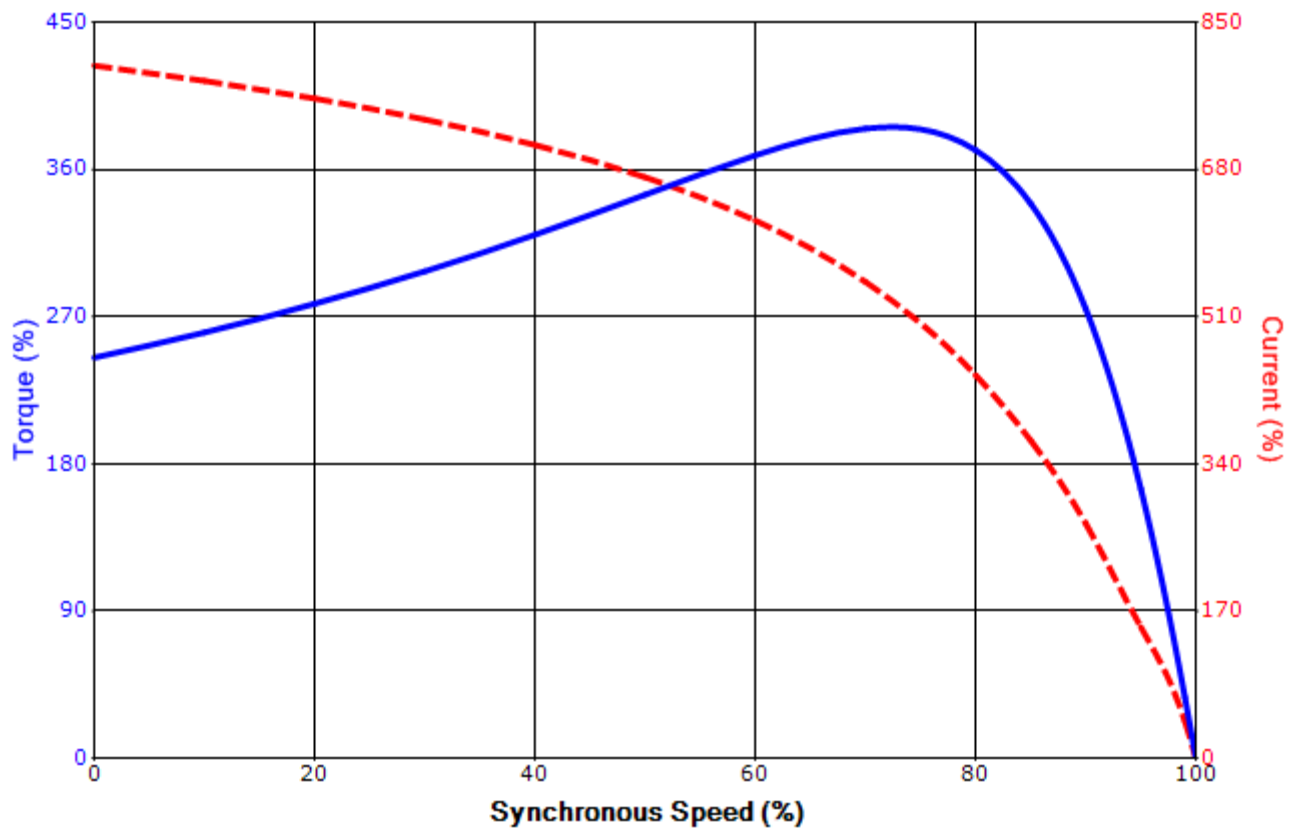
| | | | | | |
|-------------|-----------|------------------|-------------|-------------|---------------|
| Engineering | gminetos | Doc. Written By | D. Suarez | Doc.# / Rev | MPCF-1119 / 0 |
| Engr. Date | 6/24/2013 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011 |

SPEED TORQUE/CURRENT CURVE

Model: B0032FLF2AMH03

| | | | | | | | | |
|-------------------|---|-------------------|------------------|-------------|----------------|-------------|----------|----------------|
| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
| 3 | 2.2 | 2 | 3510 | 182T | 460 | 60 | 3 | 3.50 |
| Enclosure | IP | Ins. Class | S.F. | Duty | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| TEFC | 44 | F | 1.15 | CONT | 88.5 | B | K | 40 C |
| Locked Rotor Amps | Rotor wk ² Inertia (lb-ft ²) | Torque | | | | | | Break Down (%) |
| | | Full Load (lb-ft) | Locked Rotor (%) | Pull Up (%) | | | | |
| 32.00 | 0.17 | 4.49 | 245 | 325 | | | 385 | |

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 | 6/24/2013 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011 |

Motor Connection Diagrams
9 Leads

Across-the-Line Starting / Running Connections

Low Voltage Wye



High Voltage Wye



Switch L1 and L2 to reverse rotation