

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 |
| 5810USS | 28.0 | 42.2 | 72.5 | 14.50 | 1.6 | 6.3 | 9.3 | 27.6 | 30.5 | 31.6 | 5.1 | 4.00 | 31.1 | 23.8 | 14.5 | 9.3 | 23.4 | 14.2 |
| 5810US | 28.0 | 42.2 | 72.3 | 14.50 | 1.6 | 6.3 | 9.3 | 27.6 | 30.5 | 31.6 | 5.1 | 4.00 | 31.1 | 23.8 | 14.5 | 9.3 | 23.4 | 14.2 |
| 5810UZ | 28.0 | 42.2 | 77.6 | 14.50 | 1.6 | 6.3 | 9.3 | 27.6 | 30.5 | 31.6 | 5.1 | 4.00 | 31.1 | 23.8 | 14.5 | 9.3 | 23.4 | 14.2 |

| FRAME SIZE | MOUNTING | | | | SHAFT EXTENSION | | | KEY SEAT | | | BEARINGS | | MAXIMUM WEIGHT |
|------------|----------|-------------|-----|-------|-----------------|-------|-------|----------|-------|-------|----------|---------|----------------|
| | E | 2F | H | BA | N-W | V | U | R | S | ES | LS | OS | |
| 5810USS | 11.50 | 36.00/32.00 | 1.2 | 10.00 | 6.75 | 6.50 | 2.375 | 2.021 | 0.625 | 5.00 | 6313C3 | NU313C3 | 7800 lbs. |
| 5810US | 11.50 | 36.00/32.00 | 1.2 | 10.00 | 6.25 | 6.19 | 3.625 | 3.134 | 0.875 | 5.00 | 6320C3 | 6320C3 | |
| 5810UZ | 11.50 | 36.00/32.00 | 1.2 | 10.00 | 11.62 | 11.38 | 5.250 | 4.550 | 1.250 | 10.00 | NU328C3 | 6320C3 | |

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

 PER: _____ DATE: _____

TAG No's.:
 .
 .
 .
 .
 .
 .
 .
 .

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

TOSHIBA RESERVES THE RIGHT TO MAKE CHANGES OF TECHNICAL IMPROVEMENT AND THE DATA MAY CHANGE WITHOUT NOTICE PRELIMINARY
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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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 www.toshiba.com/ind

TYPICAL MOTOR PERFORMANCE DATA

Model: F4008FLF4OMHD

| | | | | | | | | |
|-----------|-----|------------|--------|--------|----------------|-------------|----------|--------------|
| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
| 400 | 298 | 8 | 890 | 5810UZ | 575 | 60 | 3 | 379 |
| Enclosure | IP | Ins. Class | S.F. | Duty | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| TEFC | 55 | F | 1.15 | CONT | 95.4 | - | | 40 C |

| | | | | | |
|--------------|--------|-------|---------|----------------|------------------|
| Load | HP | kW | Amperes | Efficiency (%) | Power Factor (%) |
| Full Load | 400.00 | 298.3 | 379 | 95.9 | 82.3 |
| ¾ Load | 300.00 | 223.7 | 294 | 95.5 | 79.9 |
| ½ Load | 200.00 | 149.1 | 218 | 94.2 | 72.6 |
| ¼ Load | 100.00 | 74.6 | 159 | 89.9 | 52.1 |
| No Load | | | 121.0 | | 6.5 |
| Locked Rotor | | | 2320 | | 17.6 |

| | | | | |
|-------------------|----------------------|-----------------|--------------------|-------------------------------|
| Torque | | | | Rotor wk ² |
| Full Load (lb-ft) | Locked Rotor (% FLT) | Pull Up (% FLT) | Break Down (% FLT) | Inertia (lb-ft ²) |
| 2360 | 140 | 105 | 200 | 424.61 |

| | | | | | |
|--------------------|-----|---------------------------|-----------|--------|----------------------------|
| Safe Stall Time(s) | | Sound Pressure dB(A) @ 1M | Bearings* | | Approx. Motor Weight (lbs) |
| Cold | Hot | | DE | NDE | |
| 22 | 12 | - | NU324C3 | 6320C3 | |

*Bearings are the only recommended spare part(s).

Motor Options:
Product Family:EQPIII 840
Mounting:Footed,Shaft:UZ Shaft

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

Tag:

All characteristics are average expected values.

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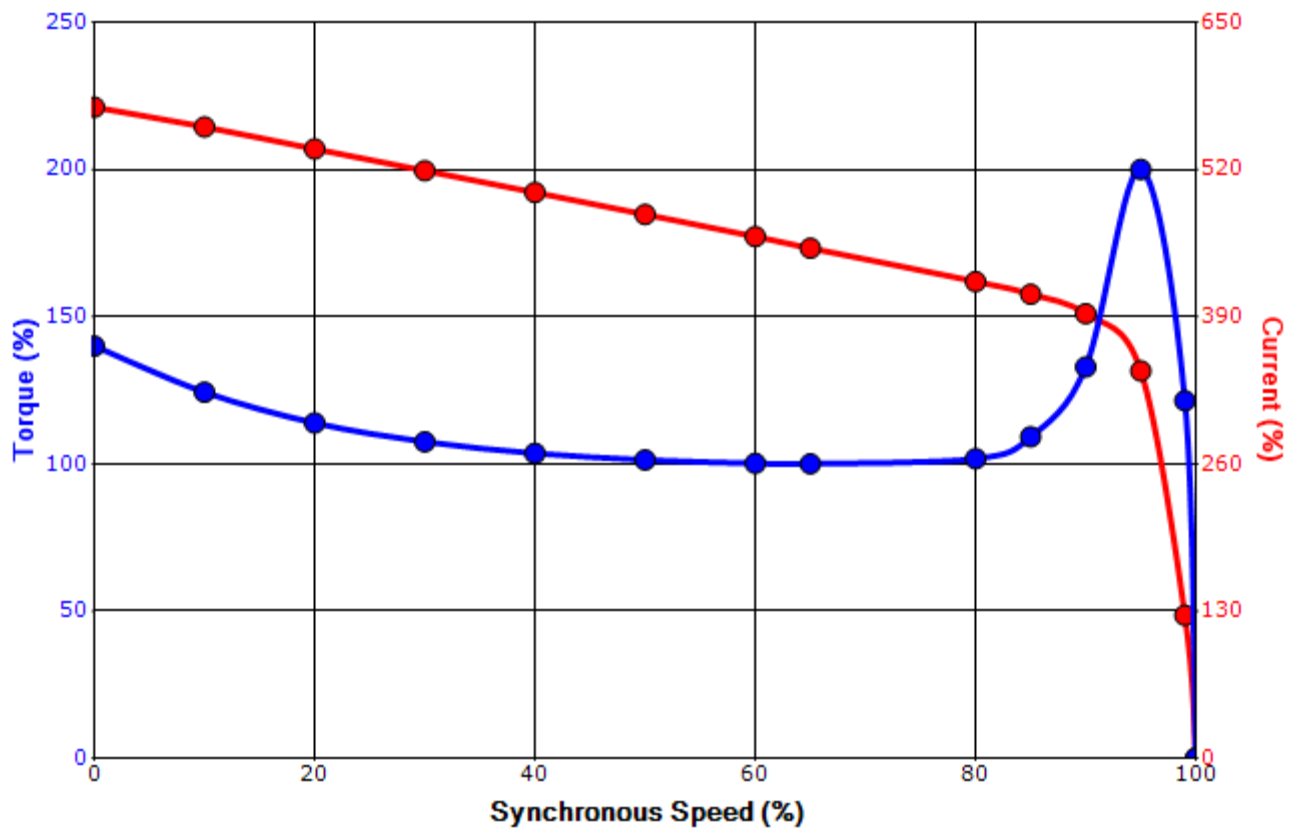
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|-------------|----------|------------------|-------------|-------------|---------------|
| Engineering | aacosta | Doc. Written By | D. Suarez | Doc.# / Rev | MPCF-1119 / 0 |
| Engr. Date | 7/9/2012 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011 |

SPEED TORQUE/CURRENT CURVE

Model: F4008FLF4OMHD

| | | | | | | | | |
|-------------------|---|-------------------|------------------|-------------|----------------|-------------|----------|----------------|
| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
| 400 | 298 | 8 | 890 | 5810UZ | 575 | 60 | 3 | 379 |
| Enclosure | IP | Ins. Class | S.F. | Duty | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| TEFC | 55 | F | 1.15 | CONT | 95.4 | - | | 40 C |
| Locked Rotor Amps | Rotor wk ² Inertia (lb-ft ²) | Torque | | | | | | Break Down (%) |
| | | Full Load (lb-ft) | Locked Rotor (%) | Pull Up (%) | | | | |
| 2320 | 424.61 | 2360 | 140 | 105 | | | 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 | aacosta | Doc. Written By | D. Suarez | Doc.# / Rev | MPCF-1121 / 0 |
| Engr. Date | 7/9/2012 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011 |