

- NOTES:
1. MAIN CONDUIT BOX MAY BE ROTATED IN 90° INCREMENTS
 2. STANDARD PRODUCT USE BI-DIRECTIONAL FAN. OPPOSITE ROTATION AVAILABLE ONLY BY CONNECTION CHANGE.
 3. KEY DIMENSIONS EQUAL 0.625" x 0.625" x 4.25" (MOTOR SUPPLIED WITH KEY)

UNITS: INCHES

TOSHIBA RESERVES THE RIGHT TO MAKE CHANGES OF TECHNICAL IMPROVEMENT WITHOUT NOTICE. DO NOT USE FOR CONSTRUCTION, INSTALLATION, OR APPLICATION PURPOSES UNLESS THE DRAWING IS CERTIFIED.

**360T TEXP FRAME
F1 ASSEMBLY**

MDSL800-07

TOSHIBA
TOSHIBA INTERNATIONAL CORPORATION

TOLERANCES

| | |
|-------|-------|
| .X | .1 |
| .XX | .03 |
| .XXX | .005 |
| .XXXX | .0005 |

MAXIMUM
MOTOR WEIGHT

1056 lbs.
479 kgs.

| | | | | |
|----|-------------|----------|----------|-------|
| 0 | FIRST ISSUE | MO | 04/11/14 | JR |
| NO | REVISION | DRAWN BY | DATE | CHECK |

XT SERIES

DRAWN BY: M. O'DOWD
CHECK BY: J. RUSSELL
APPROVED BY:

www.toshiba.com/ind



| | | | |
|-------------|-----------|------------|--|
| Issued Date | 9/24/2019 | Transmit # | |
| Issued By | dschoeck | Issued Rev | |

TYPICAL MOTOR PERFORMANCE DATA

Model: 0604XPEC41A-P

| | | | | | | | | |
|-----------|----|------------|--------|-------|----------------|-------------|----------|--------------|
| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
| 60 | 45 | 4 | 1775 | 364T | 575 | 60 | 3 | 55 |
| Enclosure | IP | Ins. Class | S.F. | Duty | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| TEFC | 56 | F | 1.15 | CONT | 95 | B | G | 40 C |

| Load | HP | kW | Amperes | Efficiency (%) | Power Factor (%) |
|--------------|-------|------|---------|----------------|------------------|
| Full Load | 60 | 44.7 | 55.0 | 95.1 | 87.3 |
| ¾ Load | 45.00 | 33.6 | 41.2 | 94.7 | 85.9 |
| ½ Load | 30.00 | 22.4 | 29.5 | 93.4 | 81.1 |
| ¼ Load | 15.00 | 11.2 | 19.7 | 88.1 | 64.6 |
| No Load | | | 15.2 | | 4.9 |
| Locked Rotor | | | 348 | | 27.0 |

| Torque | | | | Rotor wk ² Inertia (lb-ft ²) |
|----------------------|-------------------------|--------------------|-----------------------|---|
| Full Load (lb-ft) | Locked Rotor (% FLT) | Pull Up (% FLT) | Break Down (% FLT) | |
| 178 | 150 | 125 | 260 | 16.80 |

| Safe Stall Time(s) | | Sound Pressure dB(A) @ 1M | Bearings* | | Approx. Motor Weight (lbs) |
|--------------------|-----|------------------------------|-----------|--------|-------------------------------|
| Cold | Hot | | DE | NDE | |
| 53 | 35 | - | 6314C3 | 6312C3 | 1021 |

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

Motor Options:

Product Family:EQP Global Explosion Proof
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 / 1 |
| Engr. Date | 6/13/2014 | Doc. Approved By | M. Campbell | Doc. Issued | 9/20/2019 |



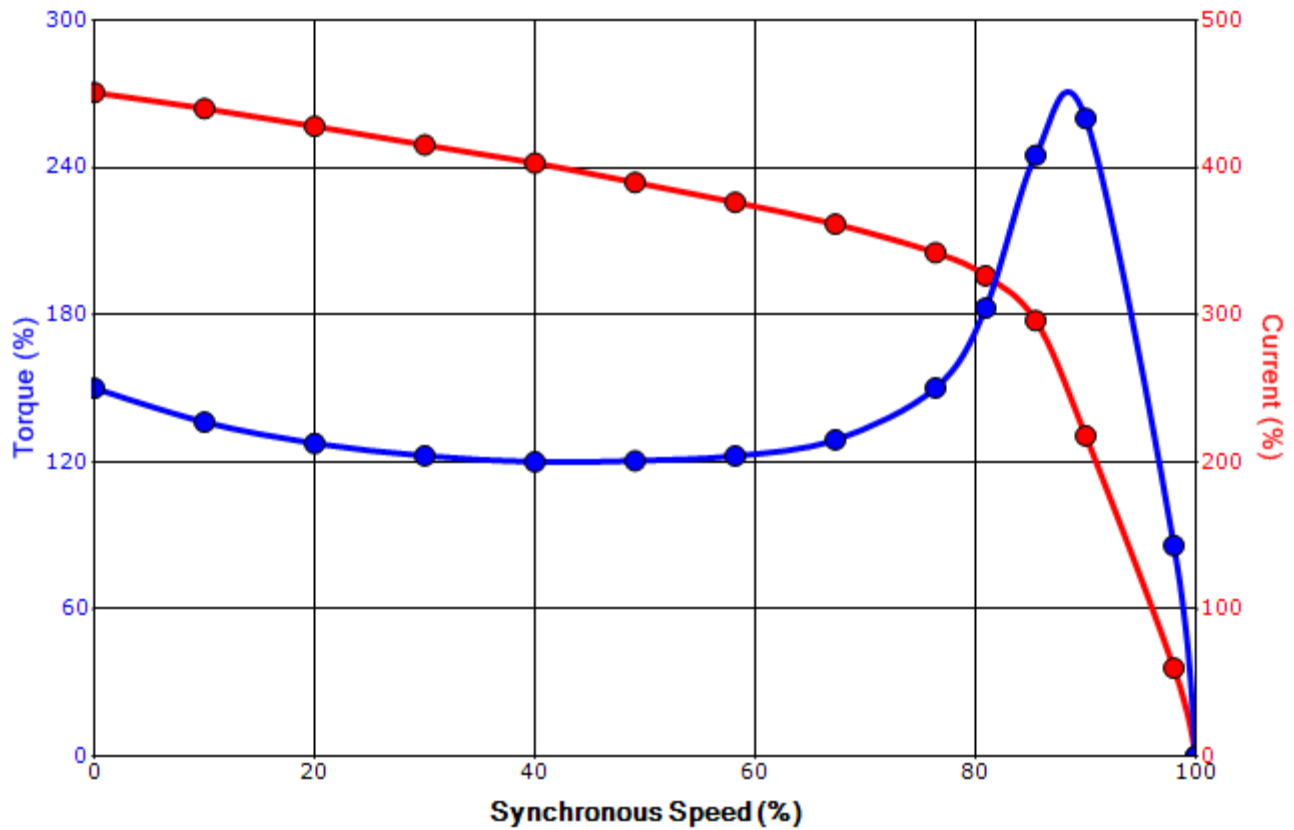
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|-------------|-----------|------------|--|
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| Issued By | dschoeck | Issued Rev | |

SPEED TORQUE/CURRENT CURVE

Model: 0604XPEC41A-P

| | | | | | | | | |
|-------------------|---|-------------------|------------------|-------|----------------|-------------|----------------|--------------|
| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
| 60 | 45 | 4 | 1775 | 364T | 575 | 60 | 3 | 55 |
| Enclosure | IP | Ins. Class | S.F. | Duty | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| TEFC | 56 | F | 1.15 | CONT | 95 | B | G | 40 C |
| Locked Rotor Amps | Rotor wk ² Inertia (lb-ft ²) | Torque | | | | Pull Up (%) | Break Down (%) | |
| | | Full Load (lb-ft) | Locked Rotor (%) | | | | | |
| 348 | 16.80 | 178 | 150 | | 125 | 260 | | |

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-1121/1 |
| Engr. Date | 6/13/2014 | Doc. Approved By | M. Campbell | Doc. Issued | 9/20/2019 |

Motor Connection Diagrams
6 Leads

Across the Line Starting / Run - Delta:



Alternate Starting Connection - Wye:



Switch L1 and L2 to reverse rotation