

- 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
- 0.188" x 0.188" x 1.38"

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.

**140T TEXP FRAME
F1 ASSEMBLY**

MDSL800-01

TOSHIBA

TOSHIBA INTERNATIONAL CORPORATION

TOLERANCES

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

MAXIMUM
MOTOR WEIGHT

77 lbs.
35 kgs.

| NO | REVISION | DRAWN BY | DATE | CHECK |
|----|--|----------|----------|-------|
| 1 | CHANGE LOGO TO XP | MO | 03/14/14 | JR |
| 0 | FIRST ISSUE (OVERRIDE D, R, & S DIMS.) | MO | 02/27/14 | JR |
| NO | | | | |



DRAWN BY: M. O'DOWD
 CHECK BY: J. RUSSELL
 APPROVED BY: _____
www.toshiba.com/ind

TYPICAL MOTOR PERFORMANCE DATA

Model: 0014XPEC41A-P

| | | | | | | | | |
|-----------|------|------------|--------|-------|----------------|-------------|----------|--------------|
| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
| 1 | 0.75 | 4 | 1760 | 143T | 575 | 60 | 3 | 1.30 |
| Enclosure | IP | Ins. Class | S.F. | Duty | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| TEFC | 56 | F | 1.15 | CONT | 85.5 | B | N | 40 C |

| | | | | | |
|--------------|------|-----|---------|----------------|------------------|
| Load | HP | kW | Amperes | Efficiency (%) | Power Factor (%) |
| Full Load | 1 | 0.7 | 1.3 | 85.6 | 69.8 |
| ¾ Load | 0.75 | 0.6 | 1.1 | 83.8 | 61.5 |
| ½ Load | 0.50 | 0.4 | 1.0 | 79.2 | 48.9 |
| ¼ Load | 0.25 | 0.2 | 0.9 | 66.0 | 30.1 |
| No Load | | | 0.8 | | 8.9 |
| Locked Rotor | | | 12.00 | | 70.2 |

| | | | | |
|-------------------|----------------------|-----------------|--------------------|---|
| Torque | | | | Rotor wk ² Inertia (lb-ft ²) |
| Full Load (lb-ft) | Locked Rotor (% FLT) | Pull Up (% FLT) | Break Down (% FLT) | |
| 2.98 | 330 | 285 | 485 | 0.11 |

| | | | | | |
|--------------------|-----|---------------------------|-----------|----------|----------------------------|
| Safe Stall Time(s) | | Sound Pressure dB(A) @ 1M | Bearings* | | Approx. Motor Weight (lbs) |
| Cold | Hot | | DE | NDE | |
| 35 | 31 | - | 6305ZZC3 | 6305ZZC3 | |

*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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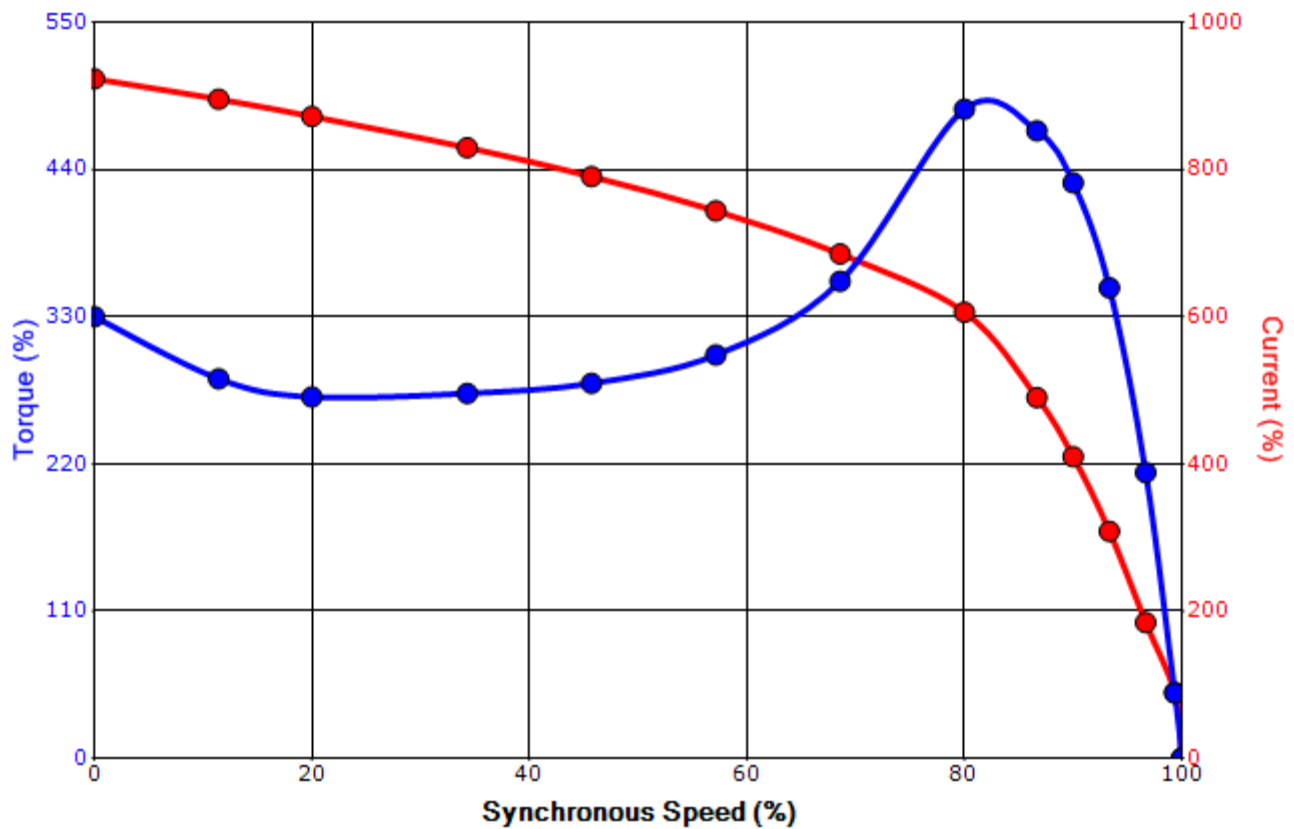
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|-------------|-----------|------------------|-------------|-------------|---------------|
| Engineering | jhock | Doc. Written By | D. Suarez | Doc.# / Rev | MPCF-1119 / 0 |
| Engr. Date | 6/11/2014 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011 |

SPEED TORQUE/CURRENT CURVE

Model: 0014XPEC41A-P

| | | | | | | | | |
|-------------------|---|-------------------|------------------|-------|----------------|-------------|----------|----------------|
| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
| 1 | 0.75 | 4 | 1760 | 143T | 575 | 60 | 3 | 1.30 |
| Enclosure | IP | Ins. Class | S.F. | Duty | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| TEFC | 56 | F | 1.15 | CONT | 85.5 | B | N | 40 C |
| Locked Rotor Amps | Rotor wk ² Inertia (lb-ft ²) | Torque | | | | | | Break Down (%) |
| | | Full Load (lb-ft) | Locked Rotor (%) | | Pull Up (%) | | | |
| 12.00 | 0.11 | 2.98 | 330 | | 285 | | 485 | |

Design Values



| | | | |
|-------------|--|--|-----|
| Customer | | wk ² Load Inertia (lb-ft ²) | - |
| Customer PO | | Load Type | - |
| Sales Order | | Voltage (%) | 100 |
| Project # | | Accel. Time | - |

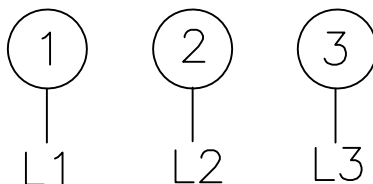
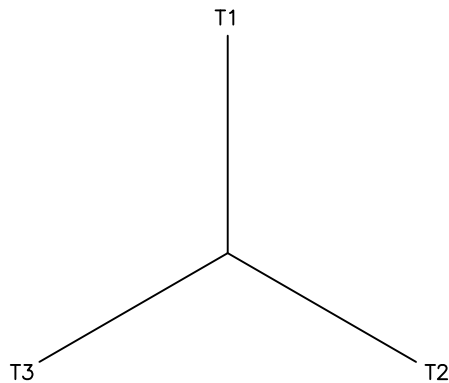
Tag:

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| | | | | | |
|-------------|-----------|------------------|-------------|-------------|---------------|
| Engineering | jhock | Doc. Written By | D. Suarez | Doc.# / Rev | MPCF-1121 / 0 |
| Engr. Date | 6/11/2014 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011 |

Motor Connection Diagram
3 Leads - Wye 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.