

1.25" NPT CONDUIT

- 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 0.375" x 0.375" x 2.88" (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.

**250T TEXP FRAME
F1 ASSEMBLY**

MDSL800-04

TOSHIBA

TOSHIBA INTERNATIONAL CORPORATION

TOLERANCES

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

MAXIMUM MOTOR WEIGHT

373 lbs.
169 kgs.

| | | | | |
|----|---------------------------------------|----------|----------|-------|
| 0 | FIRST ISSUE (OVERRIDE 'U' DIM. VALUE) | MO | 03/12/14 | JR |
| NO | REVISION | DRAWN BY | DATE | CHECK |



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: 0154XPEA41A-P

| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
|-----------|----|------------|--------|-------|----------------|-------------|----------|--------------|
| 15 | 11 | 4 | 1770 | 254T | 230/460 | 60 | 3 | 38/19.0 |
| Enclosure | IP | Ins. Class | S.F. | Duty | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| TEFC | 56 | F | 1.15 | CONT | 92.4 | B | G | 40 C |

| Load | HP | kW | Amperes | Efficiency (%) | Power Factor (%) |
|--------------|-------|------|---------|----------------|------------------|
| Full Load | 15 | 11.2 | 19.0 | 92.6 | 81.0 |
| ¾ Load | 11.25 | 8.4 | 15.3 | 92.1 | 78.2 |
| ½ Load | 7.50 | 5.6 | 12.0 | 90.3 | 70.8 |
| ¼ Load | 3.75 | 2.8 | 9.6 | 82.8 | 44.2 |
| No Load | | | 7.1 | | 6.4 |
| Locked Rotor | | | 113 | | 42.5 |

| Torque | | | | Rotor wk ² Inertia (lb-ft ²) |
|----------------------|-------------------------|--------------------|-----------------------|---|
| Full Load (lb-ft) | Locked Rotor (% FLT) | Pull Up (% FLT) | Break Down (% FLT) | |
| 44.5 | 240 | 185 | 265 | 2.33 |

| Safe Stall Time(s) | | Sound Pressure dB(A) @ 1M | Bearings* | | Approx. Motor Weight (lbs) |
|--------------------|------|------------------------------|-----------|----------|-------------------------------|
| Cold | Hot | | DE | NDE | |
| 30 | 21.6 | - | 6309ZZC3 | 6309ZZC3 | 379 |

*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 | pdivecha | Doc. Written By | D. Suarez | Doc.# / Rev | MPCF-1119 / 1 |
| Engr. Date | 4/30/2014 | Doc. Approved By | M. Campbell | Doc. Issued | 9/20/2019 |



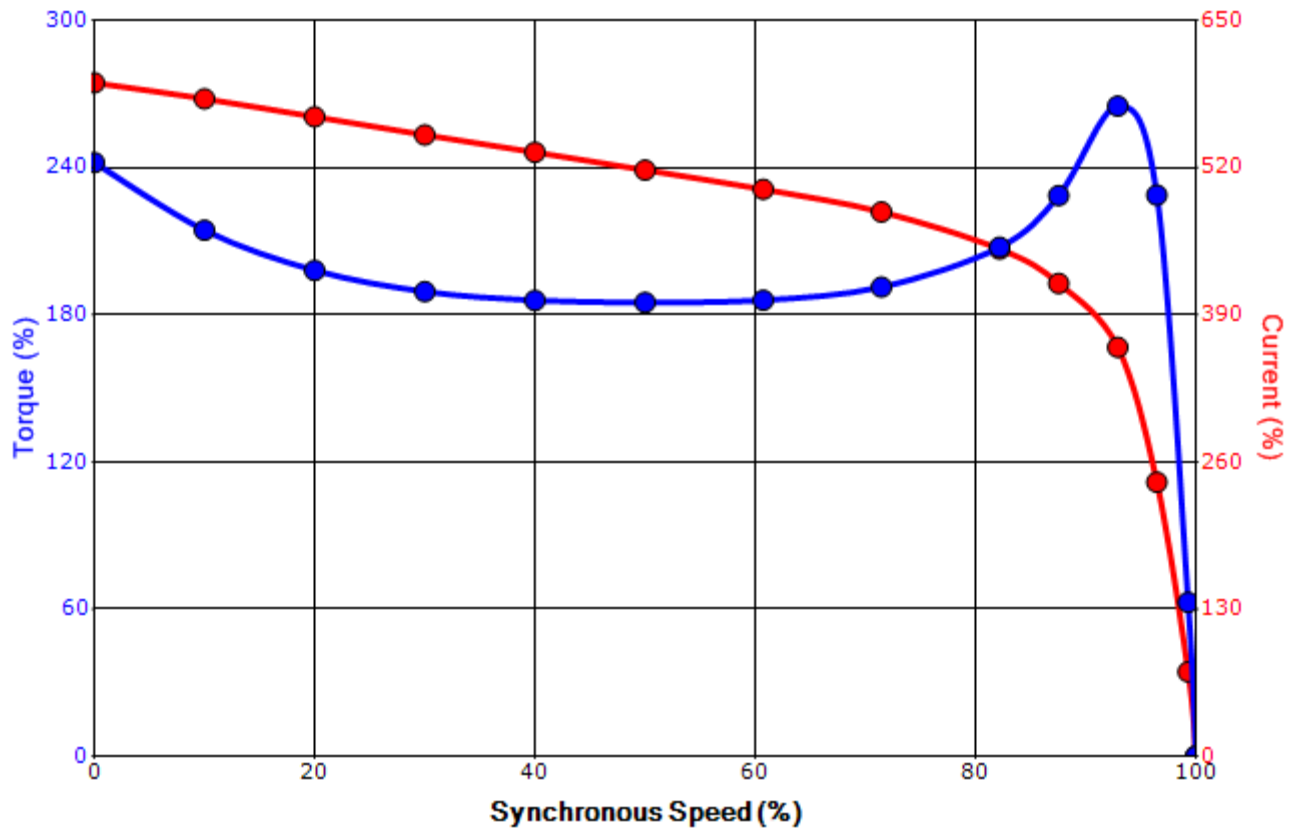
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|-------------|-----------|------------|--|
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SPEED TORQUE/CURRENT CURVE

Model: 0154XPEA41A-P

| | | | | | | | | |
|-------------------|---|-------------------|------------------|-------------|----------------|-------------|----------|--------------|
| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
| 15 | 11 | 4 | 1770 | 254T | 230/460 | 60 | 3 | 38/19.0 |
| Enclosure | IP | Ins. Class | S.F. | Duty | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| TEFC | 56 | F | 1.15 | CONT | 92.4 | B | G | 40 C |
| Locked Rotor Amps | Rotor wk ² Inertia (lb-ft ²) | Torque | | | | | | |
| | | Full Load (lb-ft) | Locked Rotor (%) | Pull Up (%) | Break Down (%) | | | |
| 113 | 2.33 | 44.5 | 240 | 185 | 265 | | | |

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.

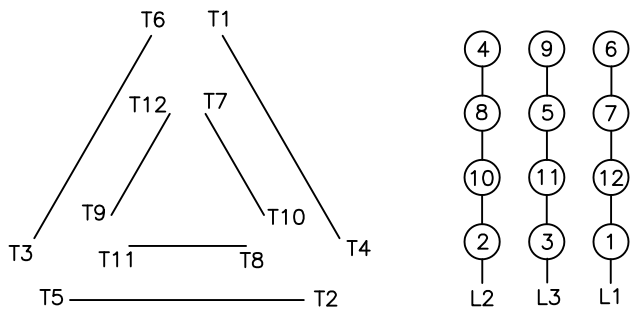
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| Engineering | pdivecha | Doc. Written By | D. Suarez | Doc.# / Rev | MPCF-1121/1 |
| Engr. Date | 4/30/2014 | Doc. Approved By | M. Campbell | Doc. Issued | 9/20/2019 |

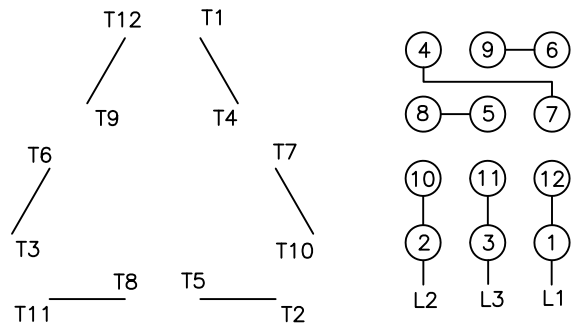
Motor Connection Diagrams
12 Leads

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.