

- 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 (MOTOR SUPPLIED WITH KEY)
- 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.

**140TC TEFC FRAME
F1 ASSEMBLY**

MDSL045-01

TOSHIBA

TOSHIBA INTERNATIONAL CORPORATION

TOLERANCES

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

MAXIMUM MOTOR WEIGHT

56 lbs.
25 kgs.

| NO | REVISION | DRAWN BY | DATE | CHECK |
|----|--|----------|----------|-------|
| 1 | CHANGED 'H' DIMENSION FROM 0.35 | MO | 04/21/14 | JR |
| 0 | FIRST ISSUE (OVERRIDE 'R' & 'S' DIM. VALUES) | N. MOMIN | 11/10/10 | JR |
| NO | | | | |



DRAWN BY: N. MOMIN
 CHECK BY: J. RUSSELL
 APPROVED BY: _____
 www.toshiba.com/ind

TYPICAL MOTOR PERFORMANCE DATA

Model: Y152XSSB42A-P

| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
|-----------|-----|------------|--------|-------|----------------|-------------|----------|--------------|
| 1.50 | 1.1 | 2 | 3490 | 143TC | 460 | 60 | 3 | 2 |
| Enclosure | IP | Ins. Class | S.F. | Duty | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| TEFC | 55 | F | 1.15 | CONT | 84 | B | L | 40 C |

| Load | HP | kW | Amperes | Efficiency (%) | Power Factor (%) |
|--------------|------|-----|---------|----------------|------------------|
| Full Load | 1.50 | 1.1 | 2.0 | 84.3 | 83.2 |
| ¾ Load | 1.13 | 0.8 | 1.5 | 83.5 | 78.6 |
| ½ Load | 0.75 | 0.6 | 1.2 | 80.4 | 68.1 |
| ¼ Load | 0.38 | 0.3 | 1.0 | 69.2 | 47.8 |
| No Load | | | 1.0 | | 10.5 |
| Locked Rotor | | | 18.00 | | 75.8 |

| Torque | | | | Rotor wk ² Inertia (lb-ft ²) |
|----------------------|-------------------------|--------------------|-----------------------|---|
| Full Load (lb-ft) | Locked Rotor (% FLT) | Pull Up (% FLT) | Break Down (% FLT) | |
| 2.26 | 265 | 225 | 360 | 0.05 |

| Safe Stall Time(s) | | Sound Pressure dB(A) @ 1M | Bearings* | | Approx. Motor Weight (lbs) |
|--------------------|-----|------------------------------|-----------|----------|-------------------------------|
| Cold | Hot | | DE | NDE | |
| 19.3 | 14 | - | 6305ZZC3 | 6305ZZC3 | |

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

Motor Options:
Product Family:EQP Global 840 CFace Footed
Mounting:C-Face Footed,Shaft:T Shaft

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

Tag:

All characteristics are average expected values.

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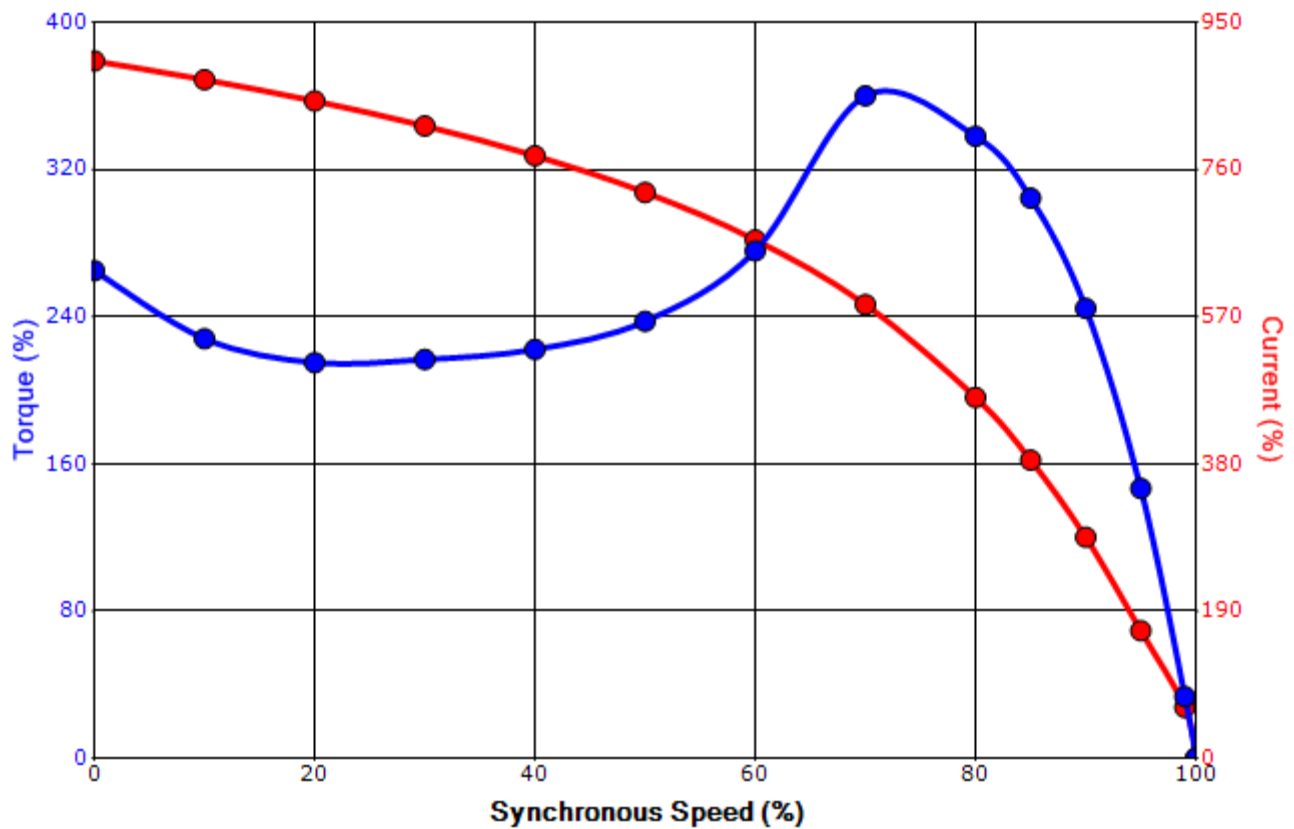
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|-------------|----------|------------------|-------------|-------------|---------------|
| Engineering | jaustin | Doc. Written By | D. Suarez | Doc.# / Rev | MPCF-1119 / 0 |
| Engr. Date | 7/7/2014 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011 |

SPEED TORQUE/CURRENT CURVE

Model: Y152XSSB42A-P

| | | | | | | | | |
|-------------------|---|-------------------|------------------|-------------|----------------|-------------|----------|----------------|
| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
| 1.50 | 1.1 | 2 | 3490 | 143TC | 460 | 60 | 3 | 2 |
| Enclosure | IP | Ins. Class | S.F. | Duty | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| TEFC | 55 | F | 1.15 | CONT | 84 | B | L | 40 C |
| Locked Rotor Amps | Rotor wk ² Inertia (lb-ft ²) | Torque | | | | | | Break Down (%) |
| | | Full Load (lb-ft) | Locked Rotor (%) | Pull Up (%) | | | | |
| 18.00 | 0.05 | 2.26 | 265 | 225 | | | 360 | |

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 | jaustin | Doc. Written By | D. Suarez | Doc.# / Rev | MPCF-1121 / 0 |
| Engr. Date | 7/7/2014 | 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.