

- 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)

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.

| | | | | | | | | |
|---|--|----|---------------------------------------|----------|----------|-------|--|---|
| 250TC TEFC FRAME F1 ASSEMBLY MDSL085-04 | TOLERANCES .X .1 .XX .03 .XXX .005 .XXXX .0005 | | | | | | | |
| | MAXIMUM MOTOR WEIGHT 340 lbs. 154 kgs. | | | | | | | |
| TOSHIBA TOSHIBA INTERNATIONAL CORPORATION | | 0 | FIRST ISSUE (OVERRIDE 'U' DIM. VALUE) | N. MOMIN | 12/17/10 | JR | | DRAWN BY: N. MOMIN CHECK BY: J. RUSSELL APPROVED BY: _____ www.toshiba.com/ind |
| | | NO | REVISION | DRAWN BY | DATE | CHECK | | |

TYPICAL MOTOR PERFORMANCE DATA

Model: 0202XDSC42A-P

| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
|-----------|----|------------|--------|-------|----------------|-------------|----------|--------------|
| 20 | 15 | 2 | 3520 | 256TC | 575 | 60 | 3 | 20 |
| Enclosure | IP | Ins. Class | S.F. | Duty | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| TEFC | 56 | F | 1.15 | CONT | 91 | B | G | 40 C |

| Load | HP | kW | Amperes | Efficiency (%) | Power Factor (%) |
|--------------|-------|------|---------|----------------|------------------|
| Full Load | 20 | 14.9 | 19.2 | 91.3 | 87.7 |
| ¾ Load | 15.00 | 11.2 | 14.1 | 90.7 | 86.3 |
| ½ Load | 10.00 | 7.5 | 10.2 | 88.6 | 81.6 |
| ¼ Load | 5.00 | 3.7 | 6.9 | 82.4 | 65.8 |
| No Load | | | 4.9 | | 8.6 |
| Locked Rotor | | | 115.00 | | 40.3 |

| Torque | | | | Rotor wk ² Inertia (lb-ft ²) |
|----------------------|-------------------------|--------------------|-----------------------|---|
| Full Load (lb-ft) | Locked Rotor (% FLT) | Pull Up (% FLT) | Break Down (% FLT) | |
| 29.8 | 215 | 195 | 255 | 1.38 |

| Safe Stall Time(s) | | Sound Pressure dB(A) @ 1M | Bearings* | | Approx. Motor Weight (lbs) |
|--------------------|-----|------------------------------|-----------|--------|-------------------------------|
| Cold | Hot | | DE | NDE | |
| 35 | 15 | - | 6309C3 | 6309C3 | |

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

Motor Options:
Product Family:EQP Global 841 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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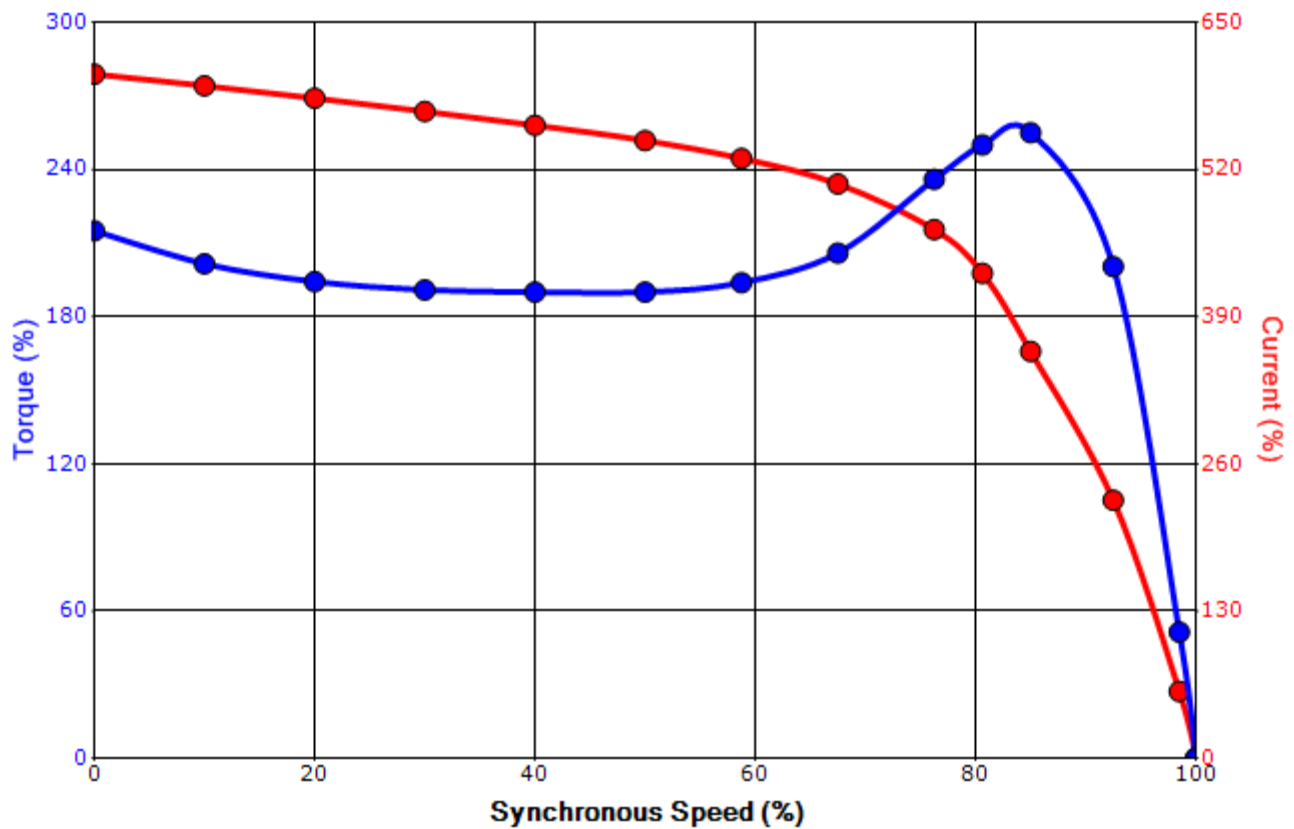
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|-------------|-----------|------------------|-------------|-------------|---------------|
| Engineering | garce | Doc. Written By | D. Suarez | Doc.# / Rev | MPCF-1119 / 0 |
| Engr. Date | 6/15/2015 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011 |

SPEED TORQUE/CURRENT CURVE

Model: 0202XDSC42A-P

| | | | | | | | | |
|-------------------|---|-------------------|------------------|-------------|----------------|-------------|----------|----------------|
| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
| 20 | 15 | 2 | 3520 | 256TC | 575 | 60 | 3 | 20 |
| Enclosure | IP | Ins. Class | S.F. | Duty | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| TEFC | 56 | F | 1.15 | CONT | 91 | B | G | 40 C |
| Locked Rotor Amps | Rotor wk ² Inertia (lb-ft ²) | Torque | | | | | | Break Down (%) |
| | | Full Load (lb-ft) | Locked Rotor (%) | Pull Up (%) | | | | |
| 115.00 | 1.38 | 29.8 | 215 | 195 | | | 255 | |

Design Values



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

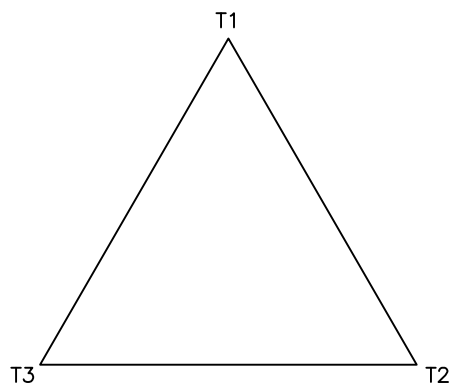
Tag:

All characteristics are average expected values.

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| | | | | | |
|-------------|-----------|------------------|-------------|-------------|---------------|
| Engineering | garce | Doc. Written By | D. Suarez | Doc.# / Rev | MPCF-1121 / 0 |
| Engr. Date | 6/15/2015 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011 |

Motor Connection Diagram
3 Leads - Delta 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.