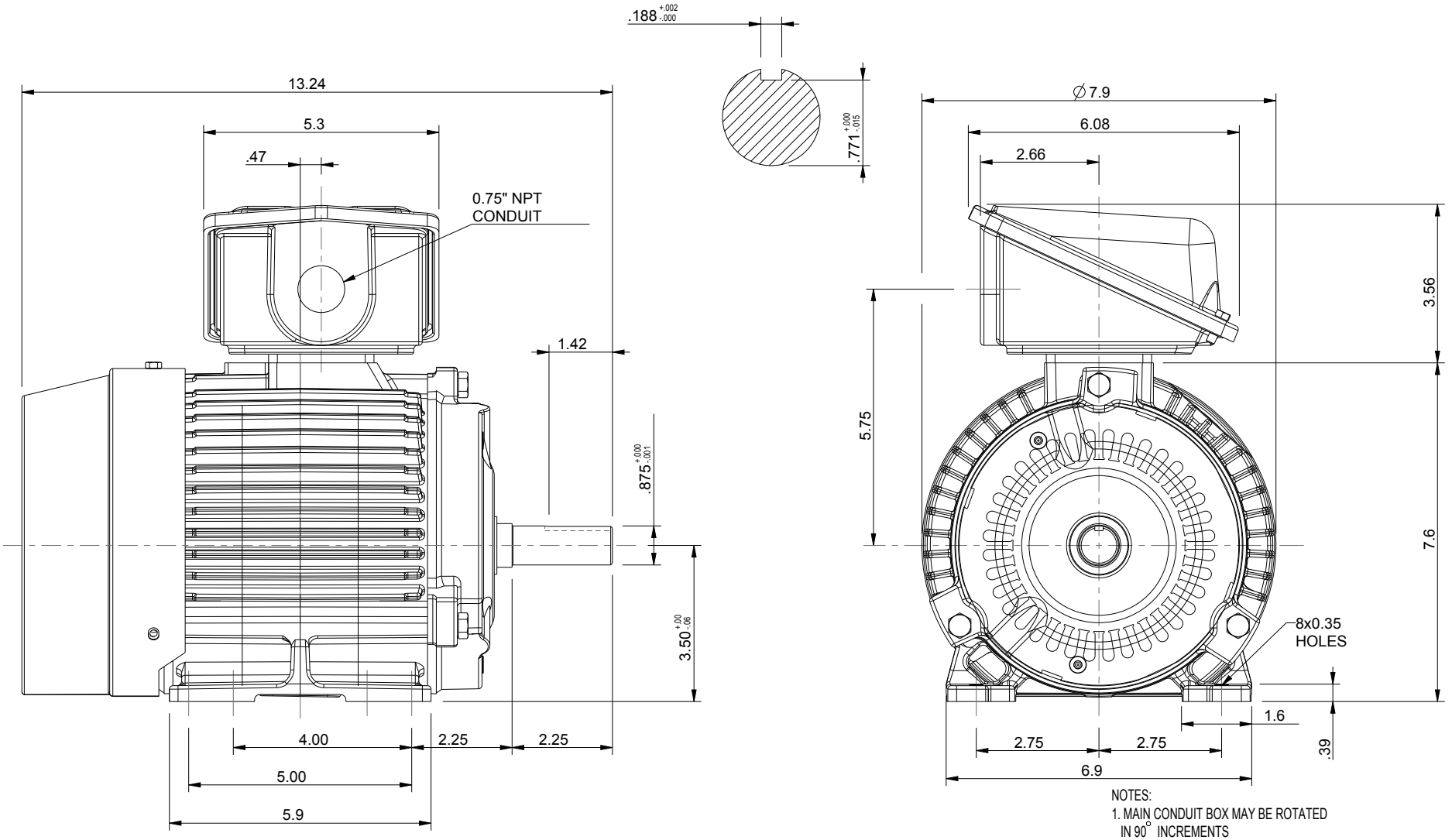


NOTES:
1. MAIN CONDUIT BOX MAY BE ROTATED IN 90° INCREMENTS
2. STANDARD PRODUCT USE BI-DIRECTIONAL FAN. OPPOSITE ROTATION AVAILABLE ONLY BY CONNECTION CHANGE.
3. KEY DIMENSIONS EQUAL 0.188" x 0.188" x 1.38" (MOTOR SUPPLIED WITH KEY)

UNITS: INCHES



# 140T TEFC FRAME
# F3 ASSEMBLY

MDSLV019-01

**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 | CHANGE PLACEMENT OF T-BOX | MO | 03/21/14 | JR |
| 0 | FIRST ISSUE | M. EASTERBROOK | 04/23/13 | JR |

EQP Global SD
XT SERIES

DRAWN BY: M. EASTERBROOK
CHECK BY: J. RUSSELL
APPROVED BY:

www.toshiba.com/ind

| Issued Date | 12/19/2024 | Transmit # | |
|---|---|---|---|
| Issued By | dschoeck | Issued Rev | |

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# TYPICAL MOTOR PERFORMANCE DATA

**Model:** 0024SDSC41A-P3

| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
|---|---|---|---|---|---|---|---|---|
| 2 | 1.5 | 4 | 1750 | 145T | 575 | 60 | 3 | 2.3 |

| Enclosure | IP | Ins. Class | S.F. | Duty | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
|---|---|---|---|---|---|---|---|---|
| TEFC | 55 | F | 1.15 | CONT | 86.5 | B | | 40 C |

| Load | HP | kW | Amperes | Efficiency (%) | Power Factor (%) |
|---|---|---|---|---|---|
| Full Load | 2.00 | 1.5 | 2.3 | 87.0 | 74.9 |
| ¾ Load | 1.50 | 1.1 | 1.9 | 86.6 | 68.4 |
| ½ Load | 1.00 | 0.7 | 1.5 | 83.9 | 56.4 |
| ¼ Load | 0.50 | 0.4 | 1.1 | 76.6 | 41.6 |
| No Load | | | 1.3 | | 7.2 |
| Locked Rotor | | | 17.3 | | 52.1 |

| Torque | | | | Rotor wk² Inertia |
|---|---|---|---|---|
| Full Load (lb-ft) | Locked Rotor (% FLT) | Pull Up (% FLT) | Break Down (% FLT) | (lb-ft²) |
| 6.00 | 260 | 195 | 350 | 0.15 |

| Safe Stall Time(s) | | Sound Pressure dB(A) @ 1M | Bearings* | | Approx. Motor Weight |
|---|---|---|---|---|---|
| Cold | Hot | | DE | NDE | (lbs) |
| 31 | 24 | - | 6305ZZC3 | 6305ZZC3 | |

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

**Motor Options:**
Mounting:Footed,Shaft:T Shaft

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

**Tag:**

All characteristics are average expected values.

**TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.**

| Engineering | bmammen | Doc. Written By | D. Suarez | Doc.# / Rev | MPCF-1119 / 0 |
|---|---|---|---|---|---|
| Engr. Date | 7/17/2024 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011 |

| | | | |
|---|---|---|---|
| Issued Date | 12/19/2024 | Transmit # | |
| Issued By | dschoeck | Issued Rev | |

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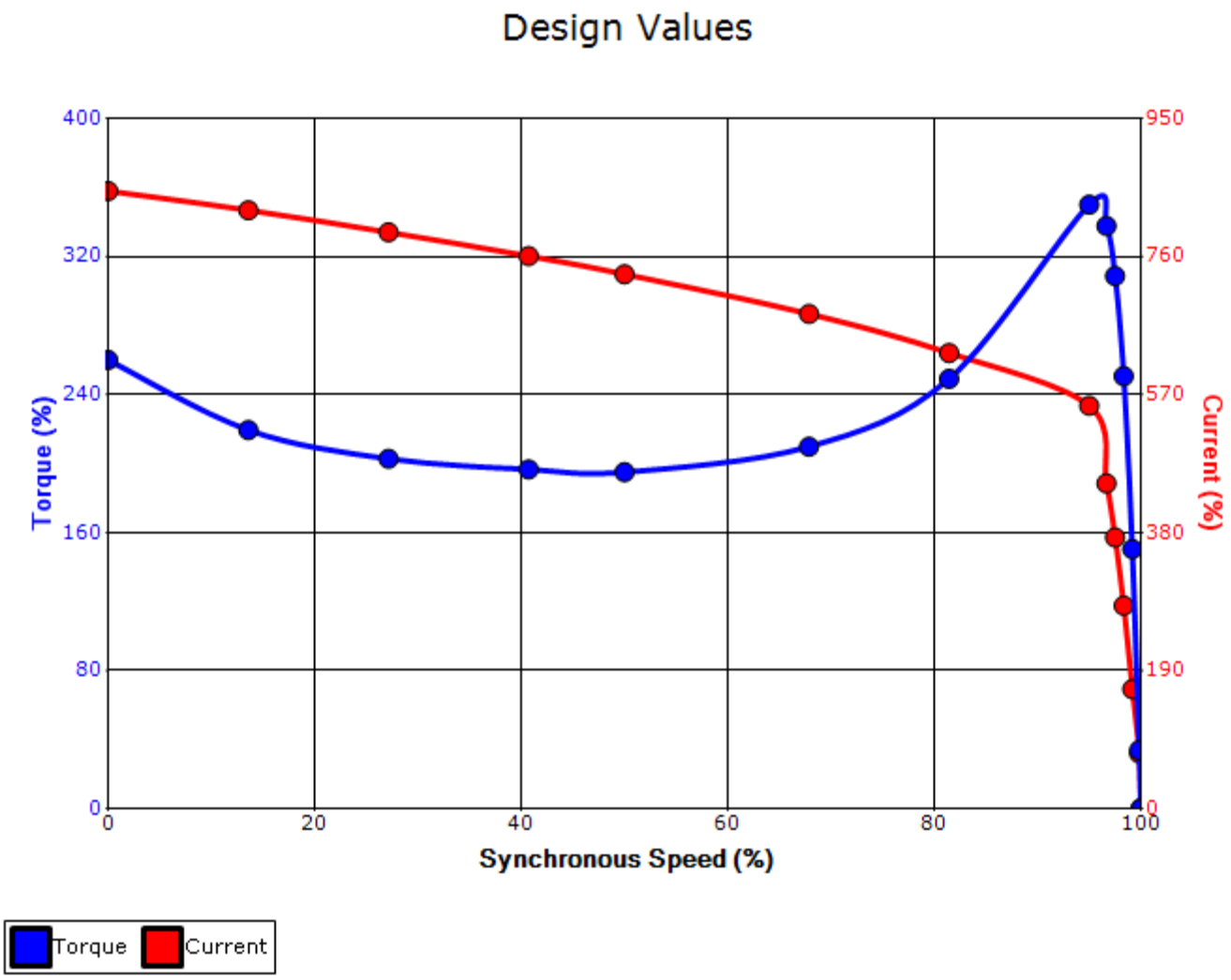
# SPEED TORQUE/CURRENT CURVE

**Model:** 0024SDSC41A-P3

| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
|---|---|---|---|---|---|---|---|---|
| 2 | 1.5 | 4 | 1750 | 145T | 575 | 60 | 3 | 2.3 |

| Enclosure | IP | Ins. Class | S.F. | Duty | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
|---|---|---|---|---|---|---|---|---|
| TEFC | 55 | F | 1.15 | CONT | 86.5 | B | | 40 C |

| Locked Rotor Amps | Rotor wk² Inertia (lb-ft²) | Torque | | | |
|---|---|---|---|---|---|
| | | Full Load (lb-ft) | Locked Rotor (%) | Pull Up (%) | Break Down (%) |
| 17.3 | 0.15 | 6.00 | 260 | 195 | 350 |




| | | | | | |
|---|---|---|---|---|---|
| Customer | | | wk² Load Inertia (lb-ft²) | - |
| Customer PO | | | Load Type | - |
| Sales Order | | | Voltage (%) | 100 |
| Project # | | | Accel. Time | - |

**Tag:**

All characteristics are average expected values.

**TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.**

| | | | | | |
|---|---|---|---|---|---|
| Engineering | bmammen | Doc. Written By | D. Suarez | Doc.# / Rev | MPCF-1121 / 0 |
| Engr. Date | 7/17/2024 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011 |

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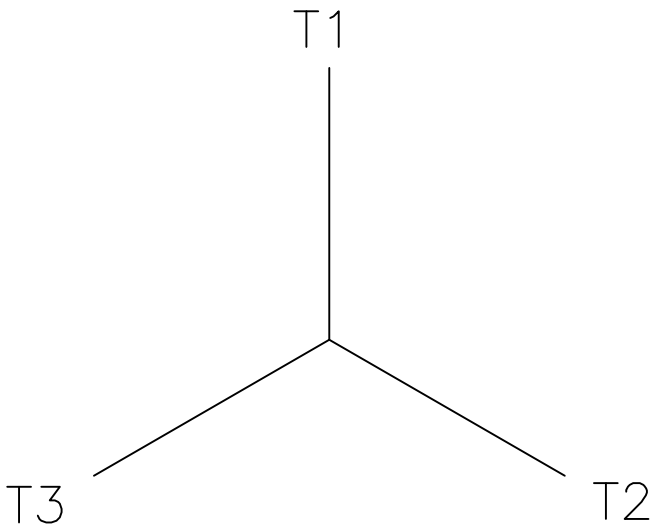
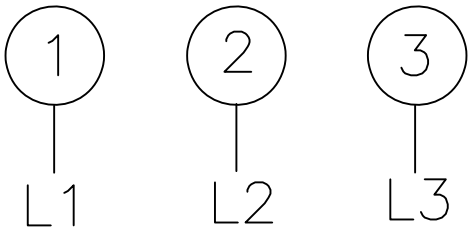
3SY

# Motor Connection Diagram
## 3 Leads - Wye Connection
## Single Voltage




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.

| By: R. Murillo | Date: 4/9/08 | Checked: | Date: | Revision 0 |
|---|---|---|---|---|