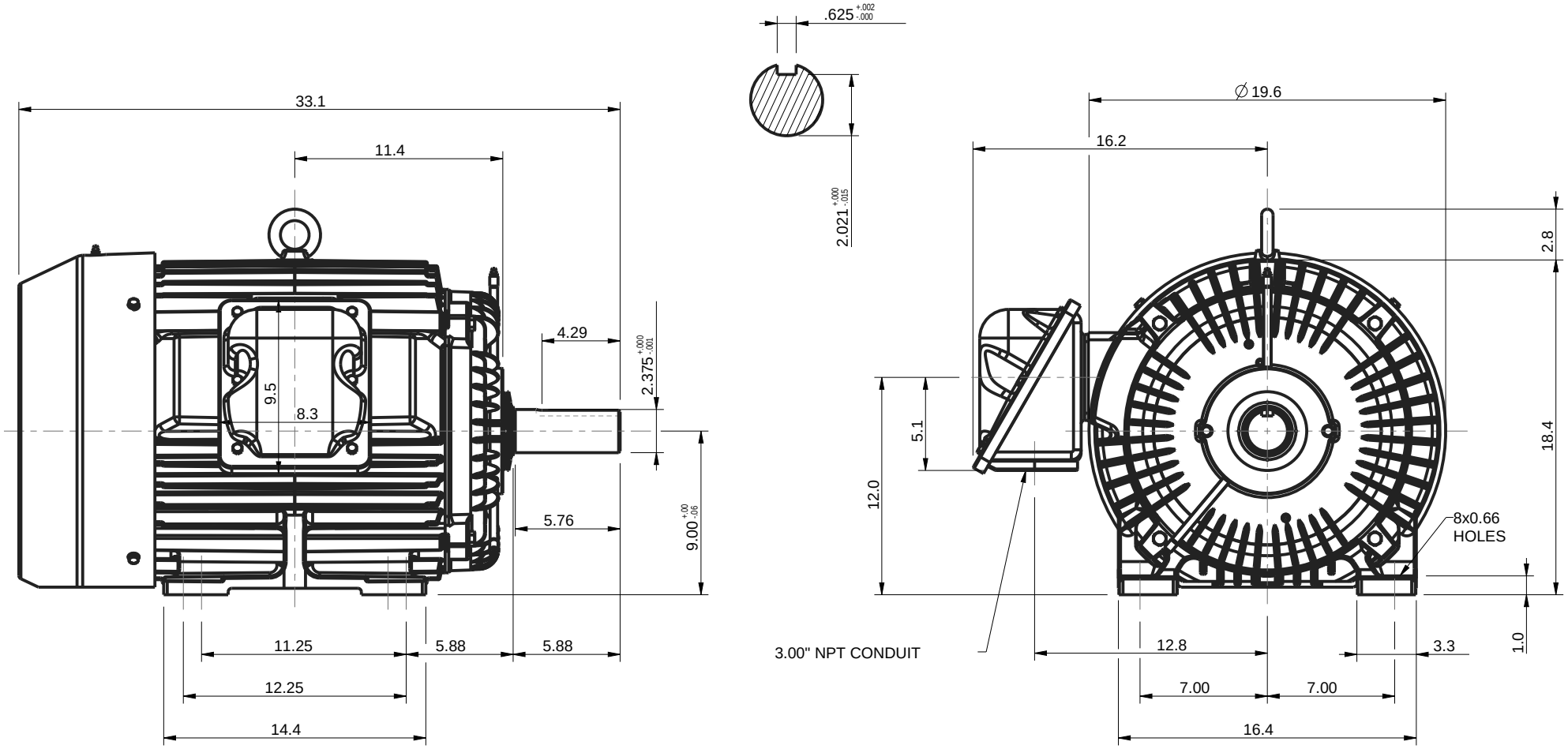



UNITS: INCHES

ROTATION FROM NDE

X CCW  CW

NOTES:

1. MAIN CONDUIT BOX MAY BE ROTATED IN 90° INCREMENTS
2. STANDARD PRODUCT USES BI-DIRECTIONAL FAN. OPPOSITE ROTATION AVAILABLE ONLY BY CONNECTION CHANGE.
3. KEY DIMENSIONS EQUAL 0.625"x 0.625"x 4.25" (MOTOR SUPPLIED WITH KEY)



☐ PRELIMINARY

☒ CERTIFIED

TOSHIBA

www.toshiba.com/tic

TOSHIBA INTERNATIONAL CORPORATION

MILL & CHEMICAL DUTY EQP 841 840

TOTALLY ENCLOSED FAN COOLED
HORIZONTAL FOOT MOUNTED
3 PHASE INDUCTION MOTOR
364T-365T F1 ASSEMBLY

DRAWING #: MDSLV041-07

REV. DATE: 07/12/18 REV. #: 2 PER.: M. O'DOWD

REV. DESCRIP.:

| Issued Date | 9/24/2019 | Transmit # | |
|---|---|---|---|
| Issued By | dschoeck | Issued Rev | |

TOSHIBA

# TYPICAL MOTOR PERFORMANCE DATA

**Model:** 0754XSSB41A-P

| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
|---|---|---|---|---|---|---|---|---|
| 75 | 55 | 4 | 1780 | 365T | 460 | 60 | 3 | 85 |

| Enclosure | IP | Ins. Class | S.F. | Duty | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
|---|---|---|---|---|---|---|---|---|
| TEFC | 55 | F | 1.15 | CONT | 95.4 | B | G | 40 C |

| Load | HP | kW | Amperes | Efficiency (%) | Power Factor (%) |
|---|---|---|---|---|---|
| Full Load | 75 | 55.9 | 85.0 | 95.4 | 87.4 |
| ¾ Load | 56.25 | 41.9 | 64.9 | 94.9 | 86.0 |
| ½ Load | 37.50 | 28.0 | 46.6 | 93.7 | 81.4 |
| ¼ Load | 18.75 | 14.0 | 31.4 | 88.6 | 63.1 |
| No Load | | | 24.0 | | 4.6 |
| Locked Rotor | | | 542.5 | | 27.2 |

| Torque | | | | Rotor wk² Inertia |
|---|---|---|---|---|
| Full Load (lb-ft) | Locked Rotor (% FLT) | Pull Up (% FLT) | Break Down (% FLT) | (lb-ft²) |
| 221 | 160 | 135 | 270 | 20.46 |

| Safe Stall Time(s) | | Sound Pressure dB(A) @ 1M | Bearings* | | Approx. Motor Weight |
|---|---|---|---|---|---|
| Cold | Hot | | DE | NDE | (lbs) |
| 26.3 | 14.8 | - | 6314C3 | 6312C3 | 1005 |

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

**Motor Options:**
Product Family:EQP Global 840
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 | garce | Doc. Written By | D. Suarez | Doc.# / Rev | MPCF-1119 / 1 |
| Engr. Date | 10/27/2015 | Doc. Approved By | M. Campbell | Doc. Issued | 9/20/2019 |

| | | | |
|---|---|---|---|
| Issued Date | 9/24/2019 | Transmit # | |
| Issued By | dschoeck | Issued Rev | |

TOSHIBA

# SPEED TORQUE/CURRENT CURVE

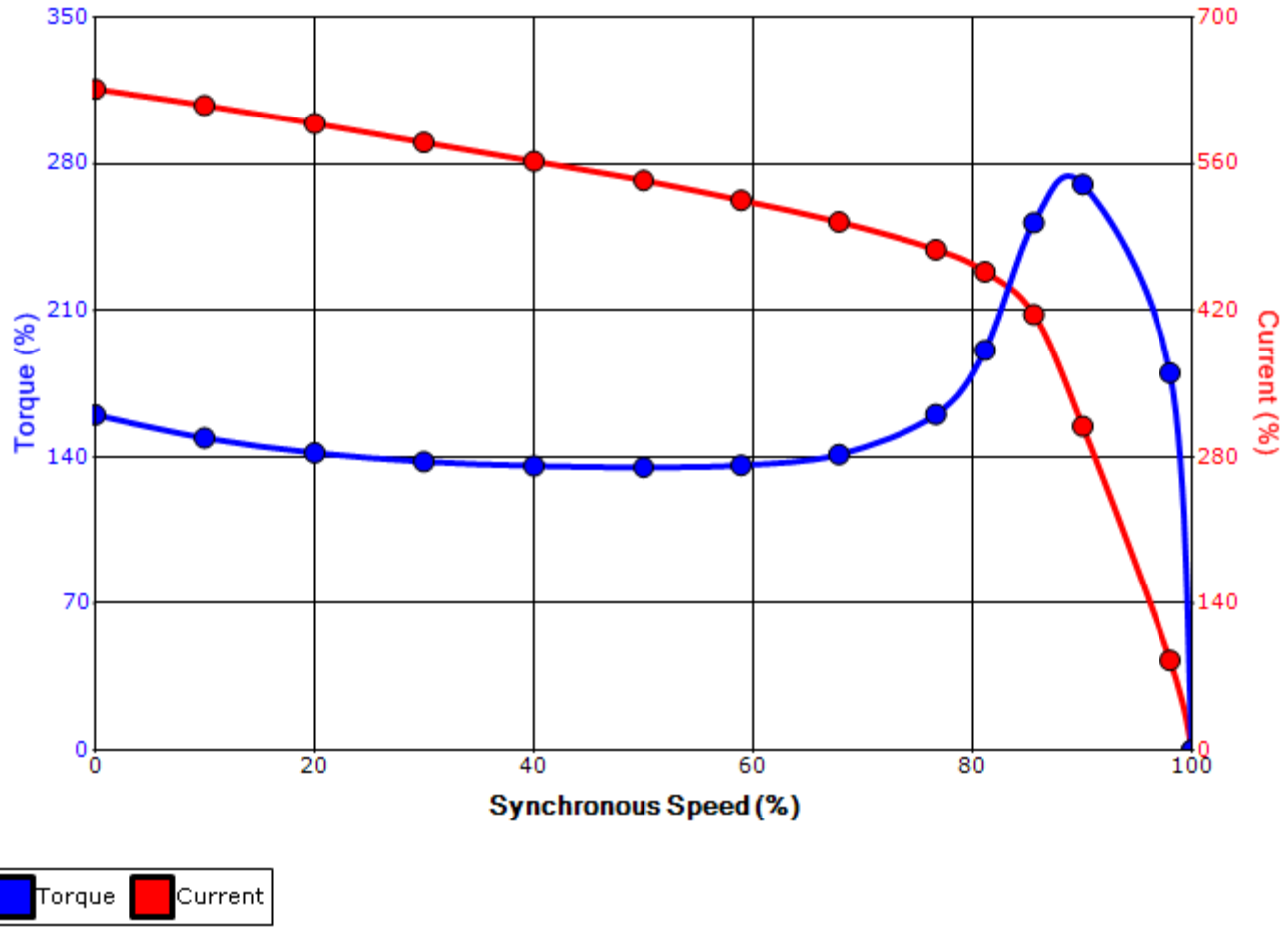
**Model:** 0754XSSB41A-P

| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
|---|---|---|---|---|---|---|---|---|
| 75 | 55 | 4 | 1780 | 365T | 460 | 60 | 3 | 85 |

| Enclosure | IP | Ins. Class | S.F. | Duty | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
|---|---|---|---|---|---|---|---|---|
| TEFC | 55 | F | 1.15 | CONT | 95.4 | B | G | 40 C |

| Locked Rotor Amps | Rotor wk² Inertia (lb-ft²) | Torque | | | |
|---|---|---|---|---|---|
| | | Full Load (lb-ft) | Locked Rotor (%) | Pull Up (%) | Break Down (%) |
| 542.5 | 20.46 | 221 | 160 | 135 | 270 |

## Design Values




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

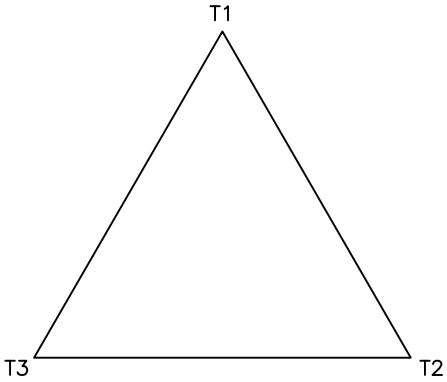
**Tag:**

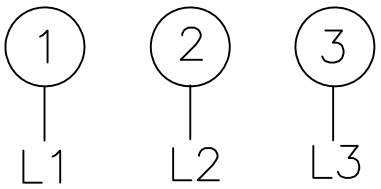
All characteristics are average expected values.

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

| | | | | | |
|---|---|---|---|---|---|
| Engineering | garce | Doc. Written By | D. Suarez | Doc.# / Rev | MPCF-1121/1 |
| Engr. Date | 10/27/2015 | Doc. Approved By | M. Campbell | Doc. Issued | 9/20/2019 |

# 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.