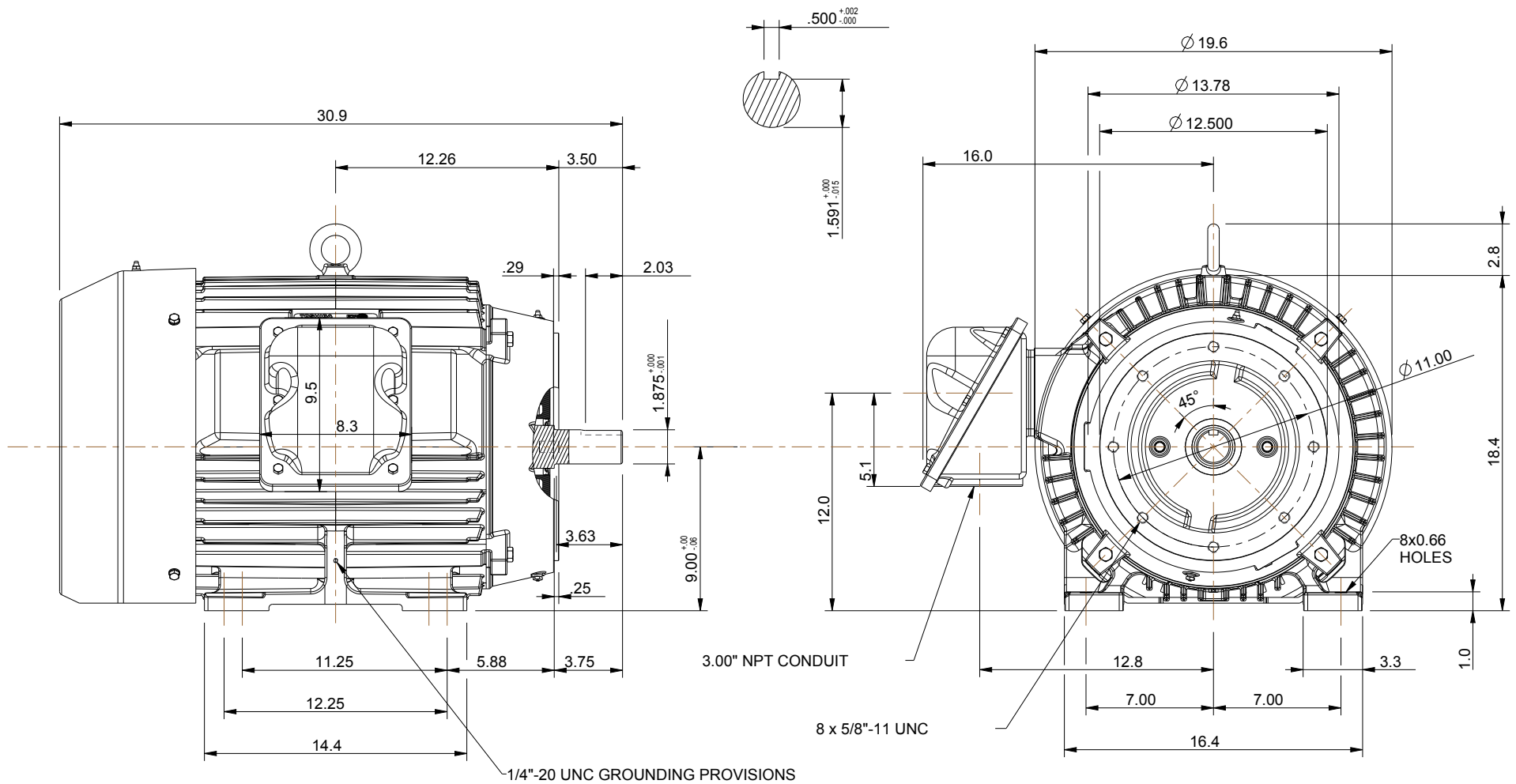




UNITS: INCHES

- 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)
- 0.500" x 0.500" x 2.00"

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.

|                                                                 |  |                                                                                                       |  |                                 |  |          |  |                                                                                                  |  |       |  |
|-----------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------|--|---------------------------------|--|----------|--|--------------------------------------------------------------------------------------------------|--|-------|--|
| <div>360TSC TEFC FRAME<br/>F1 ASSEMBLY</div>                    |  | <div>TOLERANCES</div> <div>.X .1</div> <div>.XX .03</div> <div>.XXX .005</div> <div>.XXXX .0005</div> |  |                                 |  |          |  | <div></div> |  |       |  |
| <div>MDSL086-07</div>                                           |  |                                                                                                       |  |                                 |  |          |  |                                                                                                  |  |       |  |
| <div>TOSHIBA</div> <div>TOSHIBA INTERNATIONAL CORPORATION</div> |  | <div>MAXIMUM<br/>MOTOR WEIGHT</div> <div>893 lbs.</div> <div>405 kgs.</div>                           |  |                                 |  |          |  |                                                                                                  |  |       |  |
|                                                                 |  |                                                                                                       |  |                                 |  |          |  |                                                                                                  |  |       |  |
|                                                                 |  | 1                                                                                                     |  | CHANGED 'H' DIMENSION FROM 0.67 |  | MO       |  | 04/23/14                                                                                         |  | JR    |  |
|                                                                 |  | 0                                                                                                     |  | FIRST ISSUE                     |  | N. MOMIN |  | 12/14/10                                                                                         |  | JR    |  |
|                                                                 |  | NO                                                                                                    |  | REVISION                        |  | DRAWN BY |  | DATE                                                                                             |  | CHECK |  |
|                                                                 |  |                                                                                                       |  |                                 |  |          |  |                                                                                                  |  |       |  |
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|                                                                 |  |                                                                                                       |  |                                 |  | </       |  |                                                                                                  |  |       |  |

## TYPICAL MOTOR PERFORMANCE DATA

Model: 0602XDSB42B-P

| HP        | kW | Pole       | FL RPM | Frame  | Voltage        | Hz          | Phase    | FL Amps      |
|-----------|----|------------|--------|--------|----------------|-------------|----------|--------------|
| 60        | 45 | 2          | 3550   | 364TSC | 460            | 60          | 3        | 69           |
| Enclosure | IP | Ins. Class | S.F.   | Duty   | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| TEFC      | 56 | F          | 1.15   | CONT   | 93.6           | B           | G        | 40 C         |

| Load         | HP    | kW   | Amperes | Efficiency (%) | Power Factor (%) |
|--------------|-------|------|---------|----------------|------------------|
| Full Load    | 60    | 44.7 | 69.0    | 93.6           | 89.9             |
| ¾ Load       | 45.00 | 33.6 | 51.7    | 93.0           | 88.5             |
| ½ Load       | 30.00 | 22.4 | 36.8    | 91.1           | 84.6             |
| ¼ Load       | 15.00 | 11.2 | 23.7    | 85.2           | 69.3             |
| No Load      |       |      | 15.1    |                |                  |
| Locked Rotor |       |      | 434.00  |                |                  |

| Torque            |                      |                 |                    | Rotor wk² Inertia (lb-ft²) |
|-------------------|----------------------|-----------------|--------------------|----------------------------|
| Full Load (lb-ft) | Locked Rotor (% FLT) | Pull Up (% FLT) | Break Down (% FLT) |                            |
| 88.8              | 200                  | 175             | 255                | 11.25                      |

| Safe Stall Time(s) |      | Sound Pressure dB(A) @ 1M | Bearings* |        | Approx. Motor Weight (lbs) |
|--------------------|------|---------------------------|-----------|--------|----------------------------|
| Cold               | Hot  |                           | DE        | NDE    |                            |
| 18.4               | 10.4 | -                         | 6312C3    | 6312C3 |                            |

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

**Motor Options:**  
Product Family:EQP Global 841 CFace Footed  
Mounting:C-Face Footed,Shaft:TS Shaft

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

Tag:

All characteristics are average expected values.

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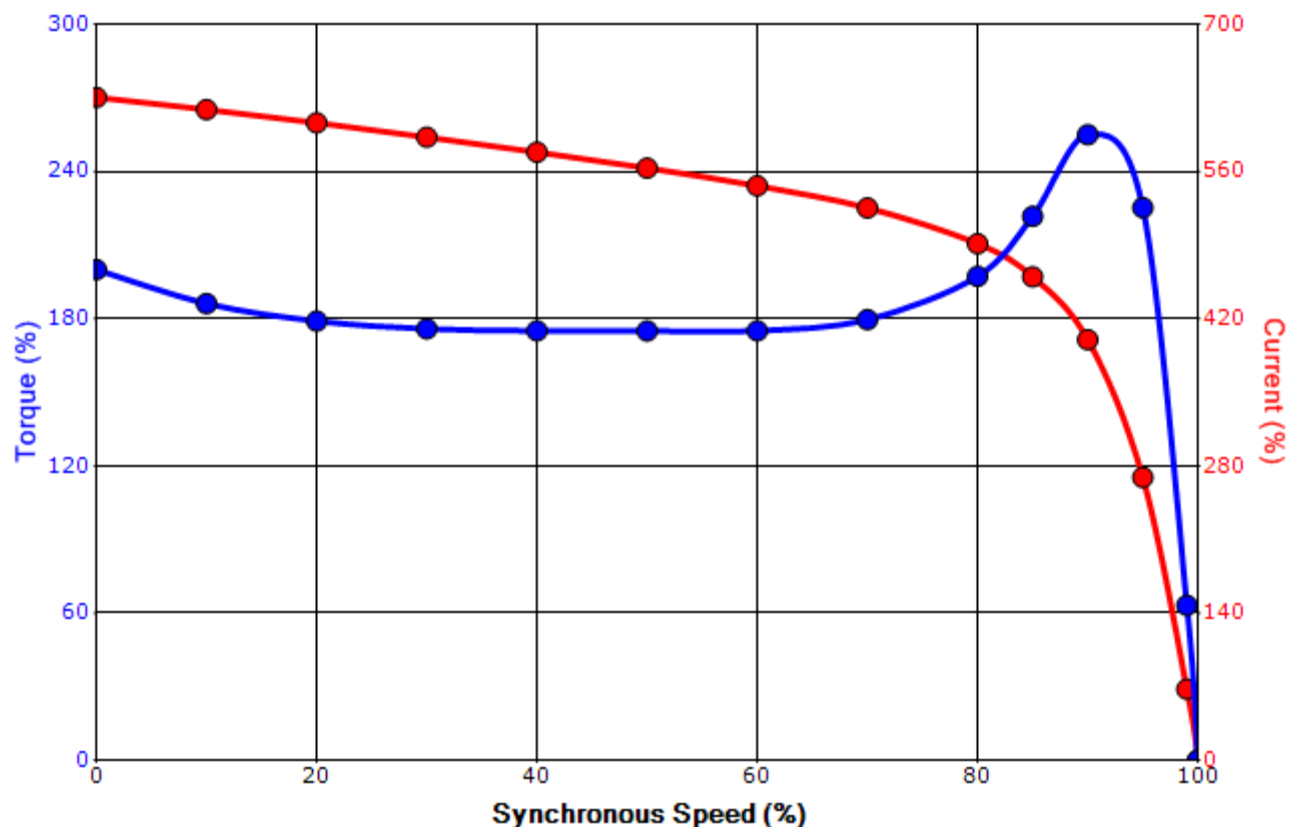
|             |          |                  |             |             |               |
|-------------|----------|------------------|-------------|-------------|---------------|
| Engineering | jaustin  | Doc. Written By  | D. Suarez   | Doc.# / Rev | MPCF-1119 / 0 |
| Engr. Date  | 7/7/2014 | Doc.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

## SPEED TORQUE/CURRENT CURVE

Model: 0602XDSB42B-P

| HP                | kW                                                  | Pole              | FL RPM           | Frame       | Voltage        | Hz             | Phase    | FL Amps      |
|-------------------|-----------------------------------------------------|-------------------|------------------|-------------|----------------|----------------|----------|--------------|
| 60                | 45                                                  | 2                 | 3550             | 364TSC      | 460            | 60             | 3        | 69           |
| Enclosure         | IP                                                  | Ins. Class        | S.F.             | Duty        | NEMA Nom. Eff. | NEMA Design    | kVA Code | Ambient (°C) |
| TEFC              | 56                                                  | F                 | 1.15             | CONT        | 93.6           | B              | G        | 40 C         |
| Locked Rotor Amps | Rotor wk <sup>2</sup> Inertia (lb-ft <sup>2</sup> ) | Torque            |                  |             |                |                |          |              |
|                   |                                                     | Full Load (lb-ft) | Locked Rotor (%) | Pull Up (%) |                | Break Down (%) |          |              |
| 434.00            | 11.25                                               | 88.8              | 200              | 175         |                | 255            |          |              |

### Design Values



|             |  |                                                    |     |
|-------------|--|----------------------------------------------------|-----|
| Customer    |  | wk <sup>2</sup> Load Inertia (lb-ft <sup>2</sup> ) | -   |
| 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 - 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.