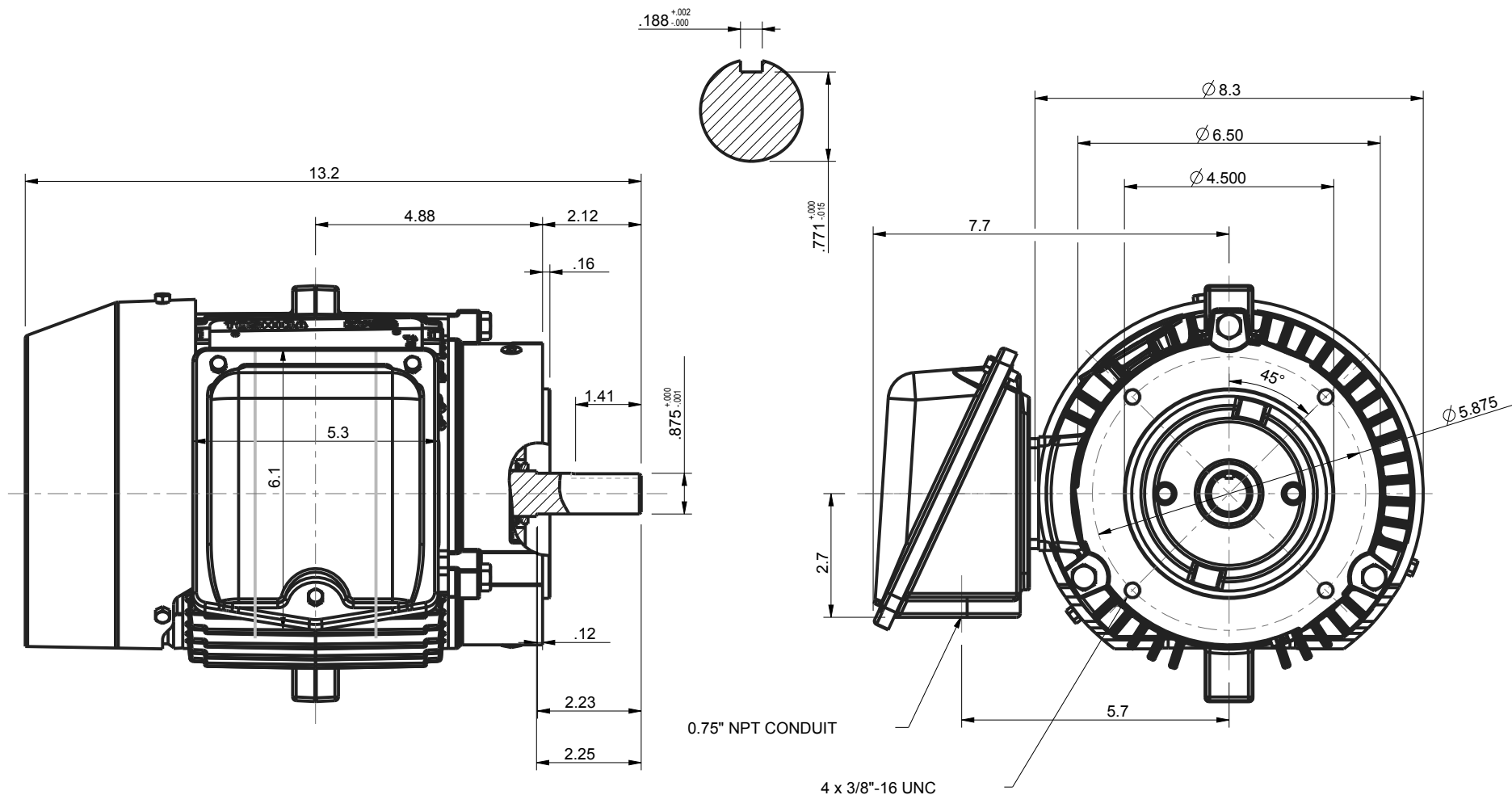




|                                                                                                                                                            |                                                                                                                                                 |                                                                                                                                                                                                                                                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UNITS: INCHES                                                                                                                                              |                                                                                                                                                 | NOTES:<br>1. MAIN CONDUIT BOX MAY BE ROTATED IN 90° INCREMENTS<br>2. STANDARD PRODUCT USES BI-DIRECTIONAL FAN. OPPOSITE ROTATION AVAILABLE ONLY BY CONNECTION CHANGE.<br>3. KEY DIMENSIONS EQUAL 0.188"x 0.188"x 1.38" (MOTOR SUPPLIED WITH KEY) |
| ROTATION FROM NDE                                                                                                                                          |                                                                                                                                                 |                                                                                                                                                                                                                                                  |
| <div><div></div><div><input checked="" type="checkbox"/> CCW</div></div> | <div><div></div><div><input type="checkbox"/> CW</div></div> |                                                                                                                                                                                                                                                  |

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|                                                                                                                            |                                                          |                                                                                                                                     |  |                                                                                                                              |  |
|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------|--|
| <b>TOSHIBA</b><br><a href="http://www.toshiba.com/tic">www.toshiba.com/tic</a><br><b>TOSHIBA INTERNATIONAL CORPORATION</b> | <b>MILL &amp; CHEMICAL DUTY</b><br><b>EQP Global 840</b> | <b>TOTALLY ENCLOSED FAN COOLED</b><br><b>ROUND BODY C-FACED</b><br><b>3 PHASE INDUCTION MOTOR</b><br><b>143TC-145TC F1 ASSEMBLY</b> |  | <b>DRAWING #:</b> MDSLV245-01<br><b>REV. DATE:</b> 06/20/18 <b>REV. #:</b> 3 <b>PER.:</b> M. O'DOWD<br><b>REV. DESCRIP.:</b> |  |
|                                                                                                                            |                                                          |                                                                                                                                     |  |                                                                                                                              |  |
|                                                                                                                            |                                                          |                                                                                                                                     |  |                                                                                                                              |  |

## TYPICAL MOTOR PERFORMANCE DATA

Model: 0016XSSC44A-P

| HP        | kW   | Pole       | FL RPM | Frame | Voltage        | Hz          | Phase    | FL Amps      |
|-----------|------|------------|--------|-------|----------------|-------------|----------|--------------|
| 1         | 0.75 | 6          | 1170   | 145TC | 575            | 60          | 3        | 1.50         |
| Enclosure | IP   | Ins. Class | S.F.   | Duty  | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| TEFC      | 55   | F          | 1.15   | CONT  | 82.5           | B           | L        | 40 C         |

| Load         | HP   | kW  | Amperes | Efficiency (%) | Power Factor (%) |
|--------------|------|-----|---------|----------------|------------------|
| Full Load    | 1    | 0.7 | 1.5     | 82.9           | 65.6             |
| ¾ Load       | 0.75 | 0.6 | 1.1     | 81.9           | 57.9             |
| ½ Load       | 0.50 | 0.4 | 0.9     | 77.9           | 46.0             |
| ¼ Load       | 0.25 | 0.2 | 0.8     | 66.1           | 31.7             |
| No Load      |      |     | 1.0     |                |                  |
| Locked Rotor |      |     | 10      |                |                  |

| Torque            |                      |                 |                    | Rotor wk² Inertia (lb-ft²) |
|-------------------|----------------------|-----------------|--------------------|----------------------------|
| Full Load (lb-ft) | Locked Rotor (% FLT) | Pull Up (% FLT) | Break Down (% FLT) |                            |
| 4.49              | 240                  | 175             | 350                | 0.18                       |

| Safe Stall Time(s) |     | Sound Pressure dB(A) @ 1M | Bearings* |          | Approx. Motor Weight (lbs) |
|--------------------|-----|---------------------------|-----------|----------|----------------------------|
| Cold               | Hot |                           | DE        | NDE      |                            |
| 35                 | 15  | -                         | 6205ZZC3  | 6205ZZC3 | 0                          |

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

### Motor Options:

Mounting:C-Face Round,Shaft:T Shaft

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

Tag:

All characteristics are average expected values.

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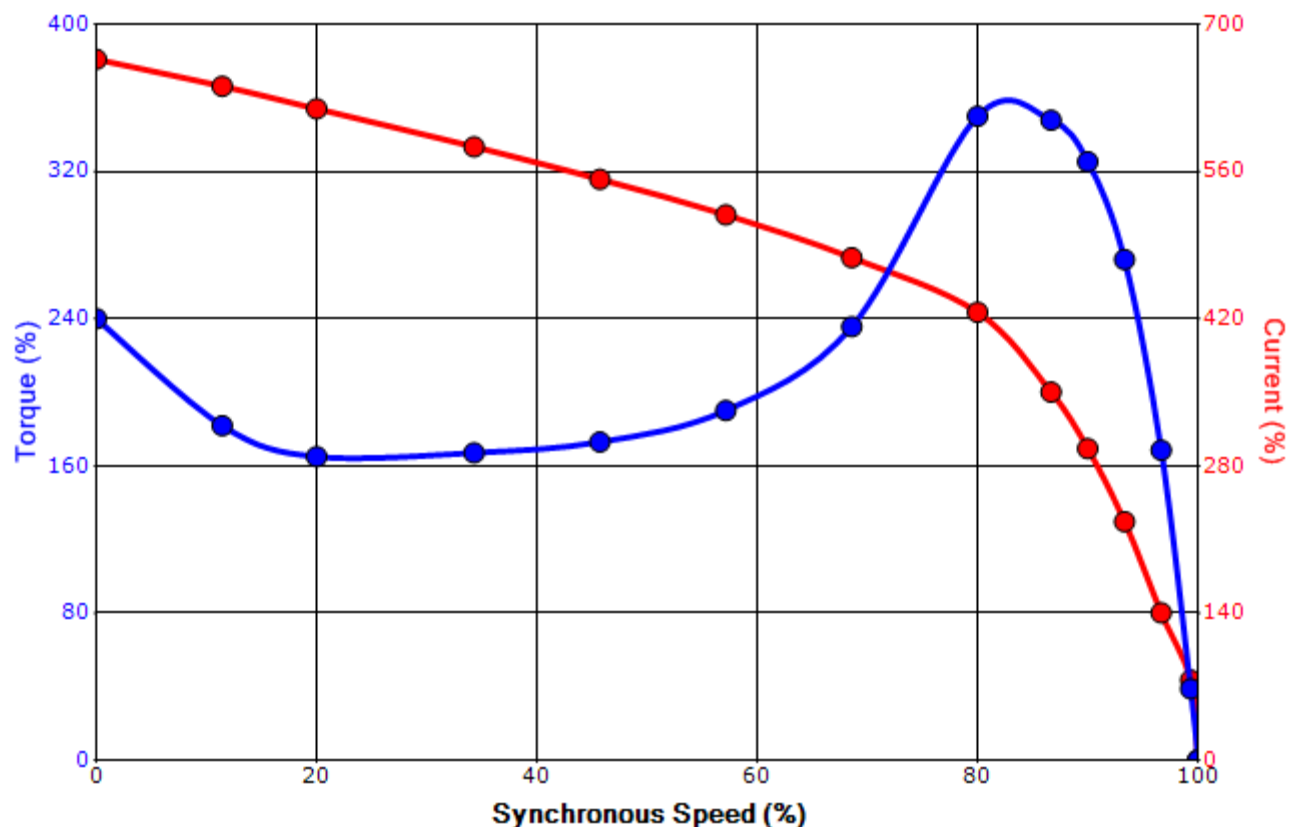
|             |           |                  |             |             |               |
|-------------|-----------|------------------|-------------|-------------|---------------|
| Engineering | garce     | Doc. Written By  | D. Suarez   | Doc.# / Rev | MPCF-1119 / 0 |
| Engr. Date  | 8/21/2015 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011      |

## SPEED TORQUE/CURRENT CURVE

Model: 0016XSSC44A-P

| HP                | kW                                                  | Pole              | FL RPM           | Frame       | Voltage        | Hz             | Phase    | FL Amps      |
|-------------------|-----------------------------------------------------|-------------------|------------------|-------------|----------------|----------------|----------|--------------|
| 1                 | 0.75                                                | 6                 | 1170             | 145TC       | 575            | 60             | 3        | 1.50         |
| Enclosure         | IP                                                  | Ins. Class        | S.F.             | Duty        | NEMA Nom. Eff. | NEMA Design    | kVA Code | Ambient (°C) |
| TEFC              | 55                                                  | F                 | 1.15             | CONT        | 82.5           | B              | L        | 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 (%) |          |              |
| 10                | 0.18                                                | 4.49              | 240              | 175         |                | 350            |          |              |

### 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 | garce     | Doc. Written By  | D. Suarez   | Doc.# / Rev | MPCF-1121 / 0 |
| Engr. Date  | 8/21/2015 | 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.