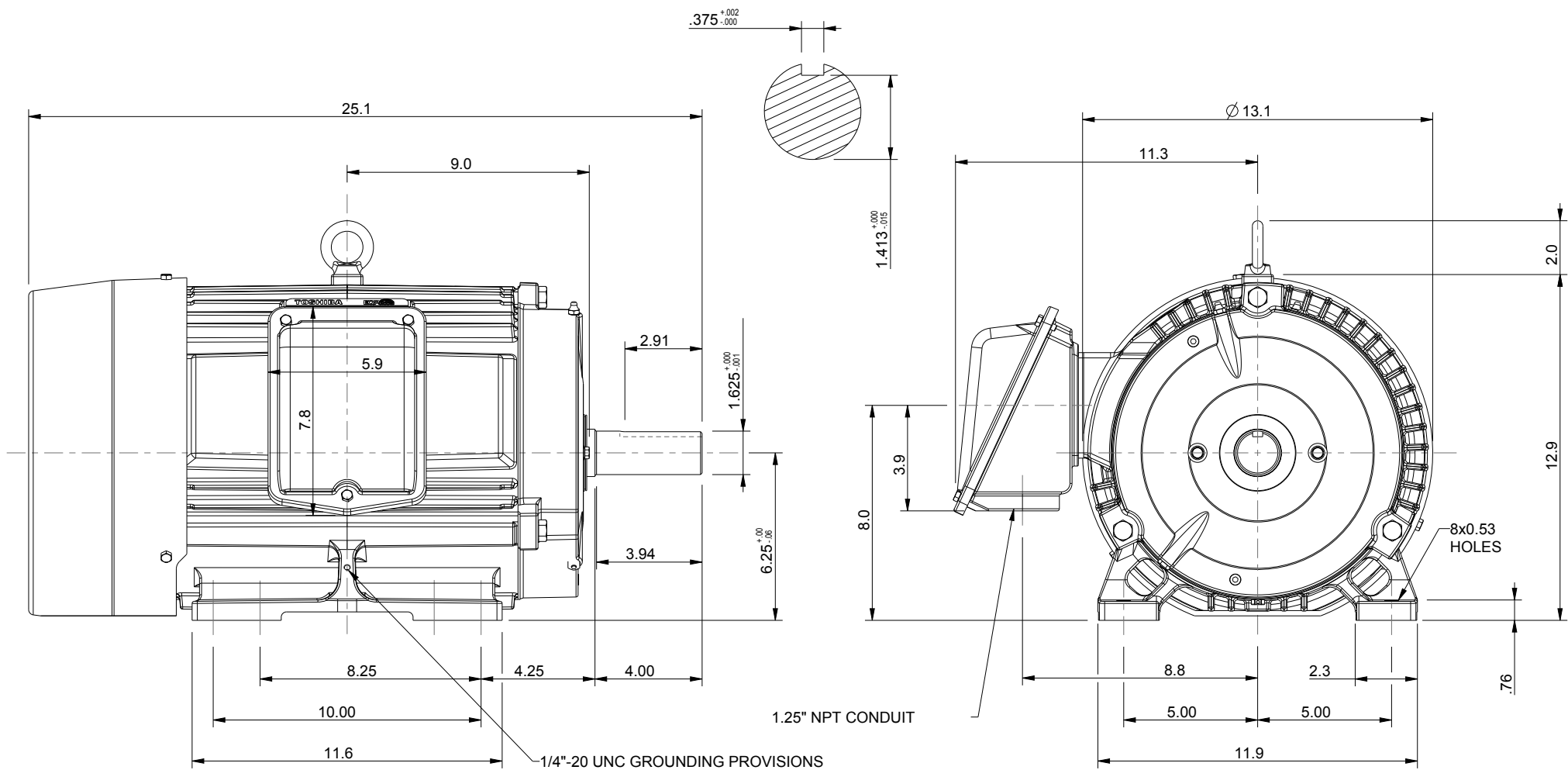




|                                                   |                                                |                                                                                                                                                                                                                                                                                     |
|---------------------------------------------------|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UNITS: INCHES                                     |                                                | <div>NOTES:</div> <div>1. MAIN CONDUIT BOX MAY BE ROTATED IN 90° INCREMENTS</div> <div>2. STANDARD PRODUCT USES BI-DIRECTIONAL FAN. OPPOSITE ROTATION AVAILABLE ONLY BY CONNECTION CHANGE.</div> <div>3. KEY DIMENSIONS EQUAL 0.375"x 0.375"x 2.88" (MOTOR SUPPLIED WITH KEY)</div> |
| ROTATION FROM NDE                                 |                                                |                                                                                                                                                                                                                                                                                     |
| <div><div><div></div></div><div>X CCW</div></div> | <div><div><div></div></div><div>CW</div></div> |                                                                                                                                                                                                                                                                                     |

|                                                                                                              |                                               |
|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| TOSHIBA RESERVES THE RIGHT TO MAKE CHANGES OF TECHNICAL IMPROVEMENT AND THE DATA MAY CHANGE WITHOUT NOTICE   | <input type="checkbox"/> PRELIMINARY          |
| DO NOT USE FOR CONSTRUCTION, INSTALLATION, OR APPLICATION PURPOSES UNLESS THE DRAWING IS MARKED AS CERTIFIED | <input checked="" type="checkbox"/> CERTIFIED |

|                                                                                                                                                   |                                                                                                                               |                                                                                                          |
|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| <p><b>TOSHIBA</b> PETRO-CHEMICAL DUTY</p> <p>www.toshiba.com/tic</p> <p><b>EQP Global 841</b></p> <p><b>TOSHIBA INTERNATIONAL CORPORATION</b></p> | <p>TOTALLY ENCLOSED FAN COOLED</p> <p>HORIZONTAL FOOT MOUNTED</p> <p>3 PHASE INDUCTION MOTOR</p> <p>254T-256T F1 ASSEMBLY</p> | <p>DRAWING #: MDSLV081-04</p> <p>REV. DATE: 06/30/18 REV. #: 0 PER.: M. O'DOWD</p> <p>REV. DESCRIP.:</p> |
|                                                                                                                                                   |                                                                                                                               |                                                                                                          |
|                                                                                                                                                   |                                                                                                                               |                                                                                                          |

## TYPICAL MOTOR PERFORMANCE DATA

Model: 0154XDSB41A-P

| HP        | kW | Pole       | FL RPM | Frame | Voltage        | Hz          | Phase    | FL Amps      |
|-----------|----|------------|--------|-------|----------------|-------------|----------|--------------|
| 15        | 11 | 4          | 1770   | 254T  | 460            | 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  | 92.4           | B           |          | 40 C         |

| Load         | HP    | kW   | Amperes | Efficiency (%) | Power Factor (%) |
|--------------|-------|------|---------|----------------|------------------|
| Full Load    | 15.00 | 11.2 | 20      | 92.6           | 74.8             |
| ¾ Load       | 11.25 | 8.4  | 16.2    | 91.8           | 70.5             |
| ½ Load       | 7.50  | 5.6  | 12.8    | 89.5           | 61.2             |
| ¼ Load       | 3.75  | 2.8  | 10.3    | 82.0           | 41.4             |
| No Load      |       |      | 10.1    |                | 4.6              |
| Locked Rotor |       |      | 118     |                | 36.7             |

| Torque            |                      |                 |                    | Rotor wk² Inertia (lb-ft²) |
|-------------------|----------------------|-----------------|--------------------|----------------------------|
| Full Load (lb-ft) | Locked Rotor (% FLT) | Pull Up (% FLT) | Break Down (% FLT) |                            |
| 44.5              | 235                  | 165             | 270                | 2.32                       |

| Safe Stall Time(s) |     | Sound Pressure dB(A) @ 1M | Bearings* |        | Approx. Motor Weight (lbs) |
|--------------------|-----|---------------------------|-----------|--------|----------------------------|
| Cold               | Hot |                           | DE        | NDE    |                            |
| 35                 | 15  | -                         | 6309C3    | 6309C3 | 305                        |

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

**Motor Options:**  
Product Family:EQP Global 841  
Mounting:Footed,Shaft:T Shaft

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

Tag:

All characteristics are average expected values.

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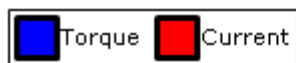
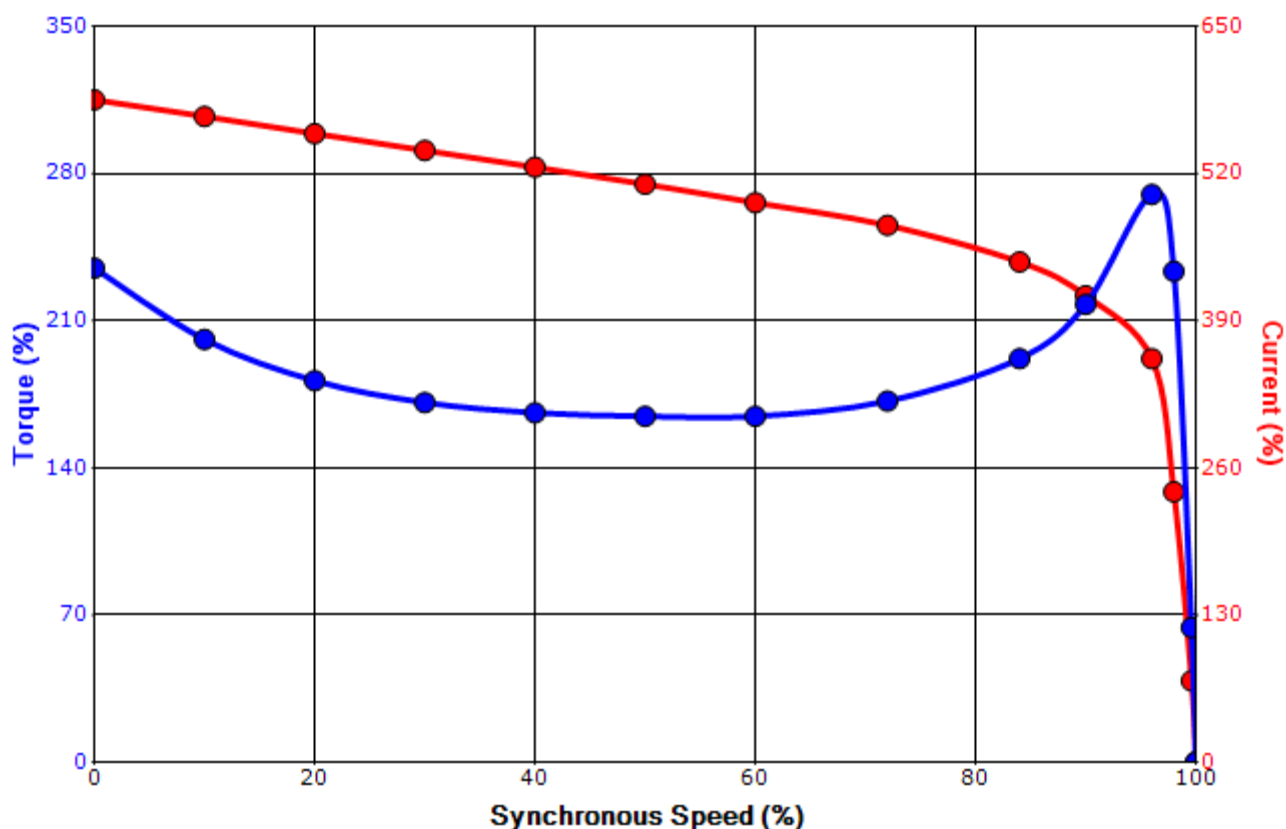
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|-------------|----------|------------------|-------------|-------------|---------------|
| Engineering | Jrodrigu | Doc. Written By  | D. Suarez   | Doc.# / Rev | MPCF-1119 / 0 |
| Engr. Date  | 1/9/2025 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011      |

## SPEED TORQUE/CURRENT CURVE

Model: 0154XDSB41A-P

| HP                | kW                                                  | Pole              | FL RPM           | Frame       | Voltage        | Hz             | Phase    | FL Amps      |
|-------------------|-----------------------------------------------------|-------------------|------------------|-------------|----------------|----------------|----------|--------------|
| 15                | 11                                                  | 4                 | 1770             | 254T        | 460            | 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        | 92.4           | B              |          | 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 (%) |          |              |
| 118               | 2.32                                                | 44.5              | 235              | 165         |                | 270            |          |              |

### Design Values



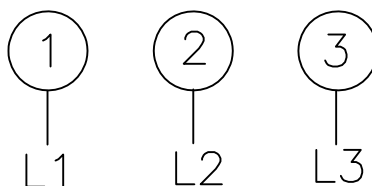
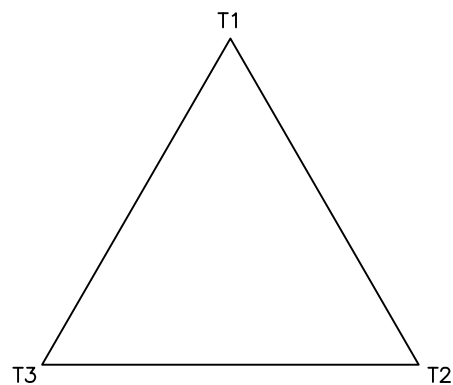
|             |  |                                                    |     |
|-------------|--|----------------------------------------------------|-----|
| Customer    |  | wk <sup>2</sup> Load Inertia (lb-ft <sup>2</sup> ) | -   |
| Customer PO |  | Load Type                                      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

Tag:

All characteristics are average expected values.

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|             |          |                  |             |             |               |
|-------------|----------|------------------|-------------|-------------|---------------|
| Engineering | Jrodrigu | Doc. Written By  | D. Suarez   | Doc.# / Rev | MPCF-1121 / 0 |
| Engr. Date  | 1/9/2025 | 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.