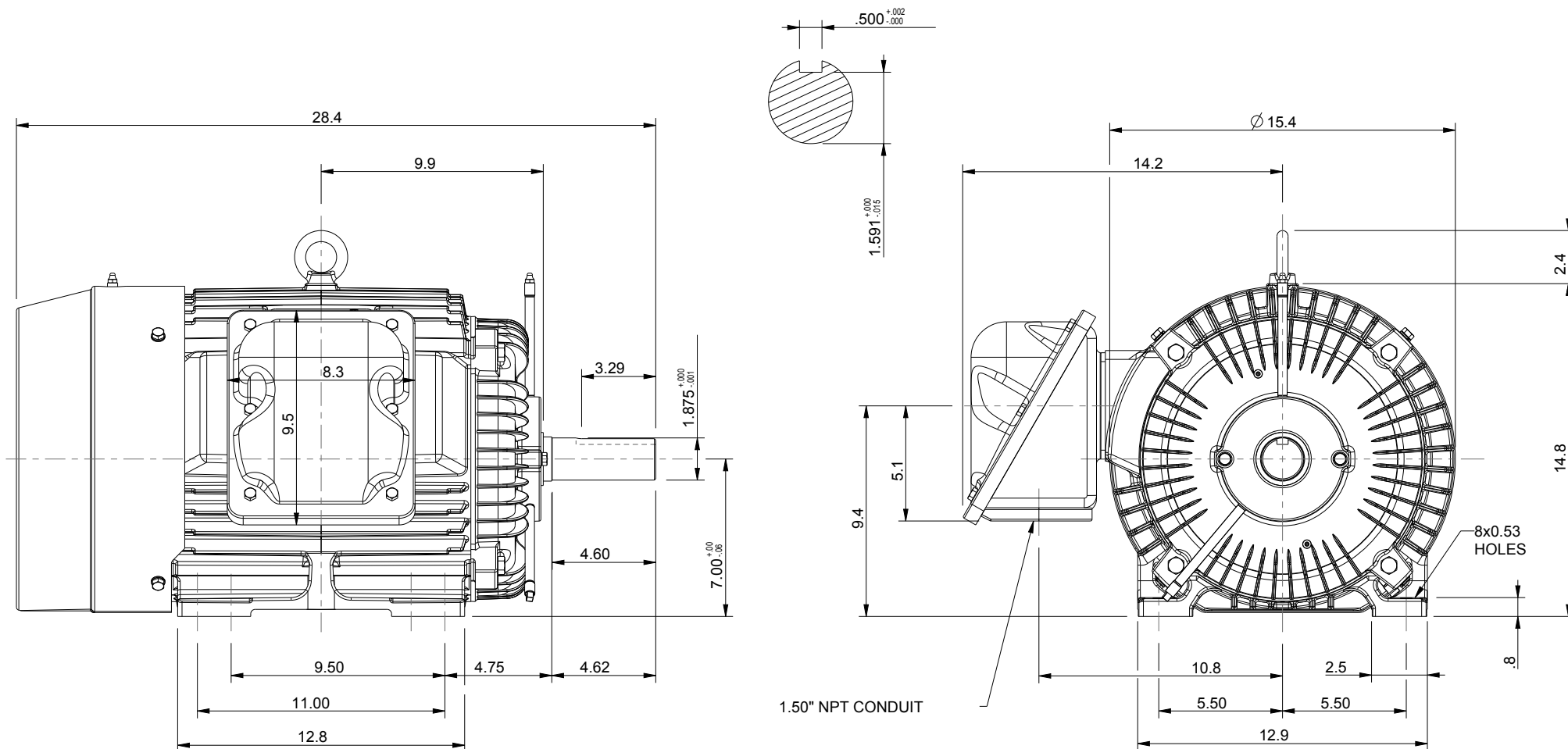




|                                                             |                                                           |                                                                                                                                                                                                                                                                                     |
|-------------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 0.500"x 0.500"x 3.25" (MOTOR SUPPLIED WITH KEY)</div> |
| ROTATION FROM NDE                                           |                                                           |                                                                                                                                                                                                                                                                                     |
| <div><div><div></div></div><div><div>X</div>CCW</div></div> | <div><div><div></div></div><div><div></div>CW</div></div> |                                                                                                                                                                                                                                                                                     |

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☒ CERTIFIED

**TOSHIBA** SEVERE DUTY  
[www.toshiba.com/tic](http://www.toshiba.com/tic) **EQP Global SD**  
**TOSHIBA INTERNATIONAL CORPORATION**

TOTALLY ENCLOSED FAN COOLED  
 HORIZONTAL FOOT MOUNTED  
 3 PHASE INDUCTION MOTOR  
 284T-286T F1 ASSEMBLY

DRAWING #: MDSL001-05  
 REV. DATE: 07/03/18 REV. #: 0 PER.: M. O'DOWD  
 REV. DESCRIP.:

## TYPICAL MOTOR PERFORMANCE DATA

Model: 0108SDSC41A-P

| HP        | kW  | Pole       | FL RPM | Frame | Voltage        | Hz          | Phase    | FL Amps      |
|-----------|-----|------------|--------|-------|----------------|-------------|----------|--------------|
| 10        | 7.5 | 8          | 875    | 284T  | 575            | 60          | 3        | 11.6         |
| Enclosure | IP  | Ins. Class | S.F.   | Duty  | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| TEFC      | 55  | F          | 1.15   | CONT  | 89.5           | B           |          | 40 C         |

| Load         | HP    | kW  | Amperes | Efficiency (%) | Power Factor (%) |
|--------------|-------|-----|---------|----------------|------------------|
| Full Load    | 10.00 | 7.5 | 11.6    | 90.1           | 71.5             |
| ¾ Load       | 7.50  | 5.6 | 9.7     | 89.9           | 64.2             |
| ½ Load       | 5.00  | 3.7 | 8.2     | 87.9           | 51.9             |
| ¼ Load       | 2.50  | 1.9 | 6.0     | 82.5           | 37.8             |
| No Load      |       |     | 6.0     |                | 4.5              |
| Locked Rotor |       |     | 56      |                | 42.8             |

| Torque            |                      |                 |                    | Rotor wk² Inertia (lb-ft²) |
|-------------------|----------------------|-----------------|--------------------|----------------------------|
| Full Load (lb-ft) | Locked Rotor (% FLT) | Pull Up (% FLT) | Break Down (% FLT) |                            |
| 60.0              | 210                  | 125             | 220                | 4.55                       |

| Safe Stall Time(s) |     | Sound Pressure dB(A) @ 1M | Bearings* |         | Approx. Motor Weight (lbs) |
|--------------------|-----|---------------------------|-----------|---------|----------------------------|
| Cold               | Hot |                           | DE        | NDE     |                            |
| 35                 | 15  | -                         | 6310ZC3   | 6310ZC3 |                            |

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

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

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

Tag:

All characteristics are average expected values.

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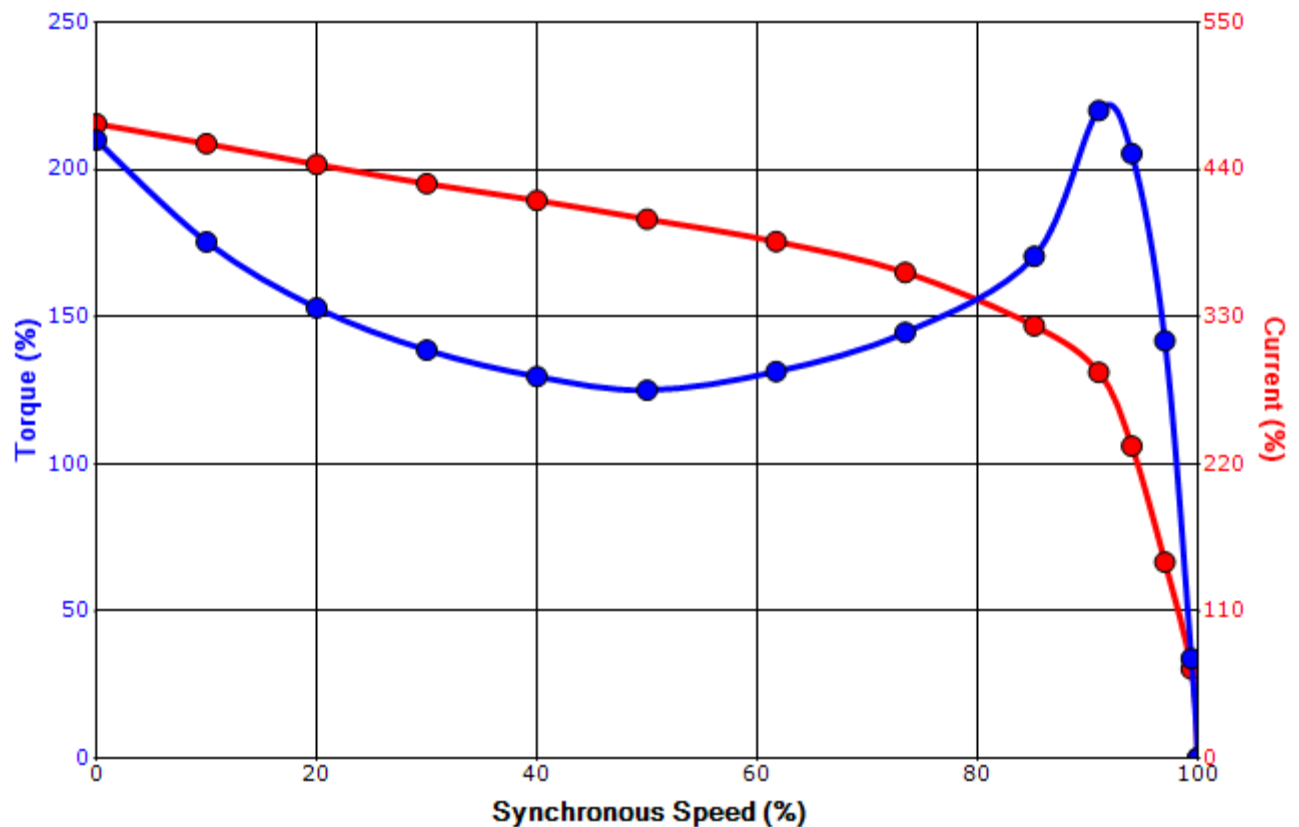
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|-------------|-----------|------------------|-------------|-------------|---------------|
| Engineering | zxie      | Doc. Written By  | D. Suarez   | Doc.# / Rev | MPCF-1119 / 0 |
| Engr. Date  | 7/10/2024 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011      |

## SPEED TORQUE/CURRENT CURVE

Model: 0108SDSC41A-P

| HP                | kW                                                  | Pole              | FL RPM           | Frame       | Voltage        | Hz             | Phase    | FL Amps      |
|-------------------|-----------------------------------------------------|-------------------|------------------|-------------|----------------|----------------|----------|--------------|
| 10                | 7.5                                                 | 8                 | 875              | 284T        | 575            | 60             | 3        | 11.6         |
| Enclosure         | IP                                                  | Ins. Class        | S.F.             | Duty        | NEMA Nom. Eff. | NEMA Design    | kVA Code | Ambient (°C) |
| TEFC              | 55                                                  | F                 | 1.15             | CONT        | 89.5           | 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 (%) |          |              |
| 56                | 4.55                                                | 60.0              | 210              | 125         |                | 220            |          |              |

### 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:

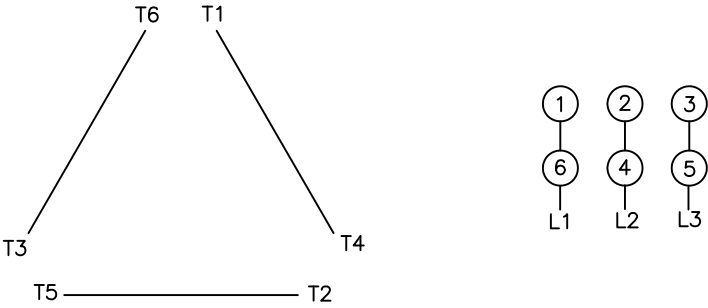
All characteristics are average expected values.

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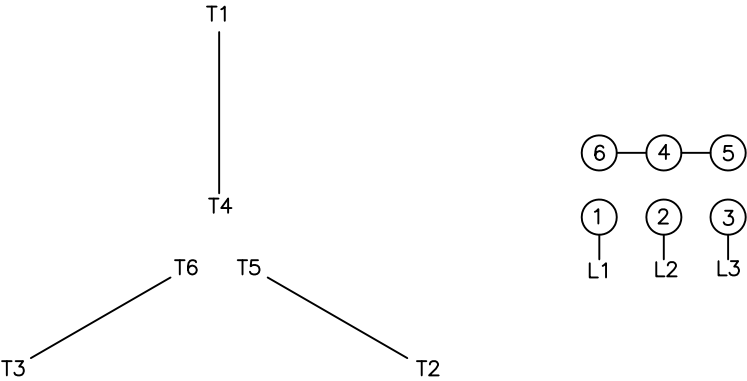
|             |           |                  |             |             |               |
|-------------|-----------|------------------|-------------|-------------|---------------|
| Engineering | zxie      | Doc. Written By  | D. Suarez   | Doc.# / Rev | MPCF-1121 / 0 |
| Engr. Date  | 7/10/2024 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011      |

**Motor Connection Diagrams**  
6 Leads

Across the Line Starting / Run - Delta:



Alternate Starting Connection - Wye:



Switch L1 and L2 to reverse rotation