

UNITS: INCHES  
 ROTATION FROM NDE

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 0.375"x0.375"x2.53" (MOTOR SUPPLIED WITH KEY)

TOSHIBA RESERVES THE RIGHT TO MAKE CHANGES OF TECHNICAL IMPROVEMENT AND THE DATA MAY CHANGE WITHOUT NOTICE  PRELIMINARY  
 DO NOT USE FOR CONSTRUCTION, INSTALLATION, OR APPLICATION PURPOSES UNLESS THE DRAWING IS MARKED AS CERTIFIED  CERTIFIED

**TOSHIBA** SEVERE DUTY  
 www.toshiba.com/tic **EQP Global SD**  
**TOSHIBA INTERNATIONAL CORPORATION**

**TOTALLY ENCLOSED FAN COOLED  
 HORIZONTAL FOOT MOUNTED  
 3 PHASE INDUCTION MOTOR  
 364JP/365JP F1 ASSEMBLY**

**DRAWING #:** MDSLVI59-07  
**REV. DATE:** 10/19/22 **REV. #:** 5 **PER.:** M. O'DOWD  
**REV. DESCRIP.:** UPDATED DIMENSIONS

**TYPICAL MOTOR PERFORMANCE DATA**

Model: 0406SDJR41P-P

|           |    |            |        |       |                |             |          |              |
|-----------|----|------------|--------|-------|----------------|-------------|----------|--------------|
| HP        | kW | Pole       | FL RPM | Frame | Voltage        | Hz          | Phase    | FL Amps      |
| 40        | 30 | 6          | 1180   | 364JP | 230/460        | 60          | 3        | 96/48        |
| Enclosure | IP | Ins. Class | S.F.   | Duty  | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| TEFC      | 55 | F          | 1.15   | CONT  | 94.1           | B           |          | 40 C         |

|              |       |      |         |                |                  |
|--------------|-------|------|---------|----------------|------------------|
| Load         | HP    | kW   | Amperes | Efficiency (%) | Power Factor (%) |
| Full Load    | 40.00 | 29.8 | 48      | 94.1           | 85.5             |
| ¾ Load       | 30.00 | 22.4 | 36      | 93.9           | 81.3             |
| ½ Load       | 20.00 | 14.9 | 27      | 92.9           | 73.4             |
| ¼ Load       | 10.00 | 7.5  | 19.9    | 88.7           | 53.0             |
| No Load      |       |      | 15.5    |                |                  |
| Locked Rotor |       |      | 288     |                | 34.0             |

|                   |                      |                 |                    |                               |
|-------------------|----------------------|-----------------|--------------------|-------------------------------|
| Torque            |                      |                 |                    | Rotor wk <sup>2</sup>         |
| Full Load (lb-ft) | Locked Rotor (% FLT) | Pull Up (% FLT) | Break Down (% FLT) | Inertia (lb-ft <sup>2</sup> ) |
| 178               | 190                  | 175             | 260                | 17.67                         |

|                    |     |                           |           |         |                            |
|--------------------|-----|---------------------------|-----------|---------|----------------------------|
| Safe Stall Time(s) |     | Sound Pressure dB(A) @ 1M | Bearings* |         | Approx. Motor Weight (lbs) |
| Cold               | Hot |                           | DE        | NDE     |                            |
| 35                 | 15  | -                         | 6314ZC3   | 6312ZC3 | 728                        |

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

**Motor Options:**  
Mounting:Footed,Shaft:JP Shaft

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

Tag:

All characteristics are average expected values.

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|             |           |                  |             |             |               |
|-------------|-----------|------------------|-------------|-------------|---------------|
| Engineering | aacosta   | Doc. Written By  | D. Suarez   | Doc.# / Rev | MPCF-1119 / 0 |
| Engr. Date  | 4/19/2012 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011      |

**TYPICAL MOTOR PERFORMANCE DATA**

Model: 0406SDJR41P-P

| HP        | kW | Pole       | FL RPM | Frame | Voltage        | Hz          | Phase    | FL Amps      |
|-----------|----|------------|--------|-------|----------------|-------------|----------|--------------|
| 40        | 30 | 6          | 975    | 364JP | 190/380        | 50          | 3        | 120/60       |
| Enclosure | IP | Ins. Class | S.F.   | Duty  | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| TEFC      | 55 | F          | 1.0    | CONT  | 91.7           | B           |          | 40 C         |

| Load         | HP    | kW   | Amperes | Efficiency (%) | Power Factor (%) |
|--------------|-------|------|---------|----------------|------------------|
| Full Load    | 40.00 | 29.8 | 60      | 93.9           | 81.5             |
| ¾ Load       | 30.00 | 22.4 | 44      | 94.6           | 78.5             |
| ½ Load       | 20.00 | 14.9 | 31      | 94.6           | 70.9             |
| ¼ Load       | 10.00 | 7.5  | 22      | 89.0           | 57.3             |
| No Load      |       |      | 15.9    |                |                  |
| Locked Rotor |       |      | 345     |                | 32.6             |

| Torque               |                         |                    |                       | Rotor wk <sup>2</sup><br>Inertia<br>(lb-ft <sup>2</sup> ) |
|----------------------|-------------------------|--------------------|-----------------------|---|
| Full Load<br>(lb-ft) | Locked Rotor<br>(% FLT) | Pull Up<br>(% FLT) | Break Down<br>(% FLT) |   |
| 215                  | 150                     | 135                | 210                   | 17.67   |

| Safe Stall Time(s) |     | Sound Pressure<br>dB(A) @ 1M | Bearings* |         | Approx. Motor Weight<br>(lbs) |
|--------------------|-----|------------------------------|-----------|---------|-------------------------------|
| Cold               | Hot |                              | DE        | NDE     |                               |
| 25                 | 10  | -                            | 6314ZC3   | 6312ZC3 | 728                           |

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

**Motor Options:**  
Mounting:Footed,Shaft:JP Shaft

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

Tag:

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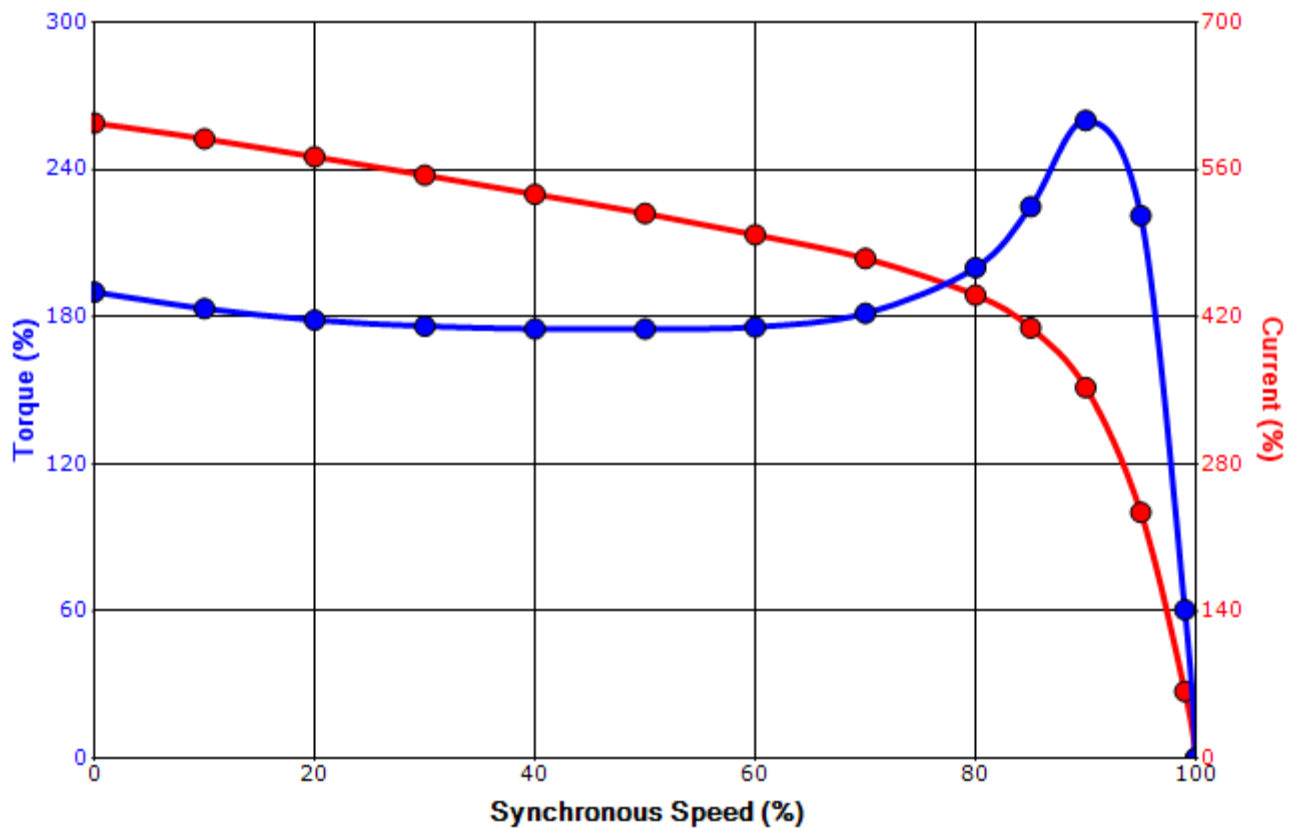
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|-------------|-----------|------------------|-------------|-------------|---------------|
| Engineering | jhock     | Doc. Written By  | D. Suarez   | Doc.# / Rev | MPCF-1119 / 0 |
| Engr. Date  | 3/17/2014 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011      |

**SPEED TORQUE/CURRENT CURVE**

Model: 0406SDJR41P-P

|                   |   |                   |                  |             |                |             |          |                |
|-------------------|---|-------------------|------------------|-------------|----------------|-------------|----------|----------------|
| HP                | kW  | Pole              | FL RPM           | Frame       | Voltage        | Hz          | Phase    | FL Amps        |
| 40                | 30  | 6                 | 1180             | 364JP       | 230/460        | 60          | 3        | 96/48          |
| Enclosure         | IP  | Ins. Class        | S.F.             | Duty        | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C)   |
| TEFC              | 55  | F                 | 1.15             | CONT        | 94.1           | B           |          | 40 C           |
| Locked Rotor Amps | Rotor wk <sup>2</sup> Inertia (lb-ft <sup>2</sup> ) | Torque            |                  |             |                |             |          | Break Down (%) |
|                   |   | Full Load (lb-ft) | Locked Rotor (%) | Pull Up (%) |                |             |          |                |
| 288               | 17.67   | 178               | 190              | 175         |                |             | 260      |                |

**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 | aacosta   | Doc. Written By  | D. Suarez   | Doc.# / Rev | MPCF-1121 / 0 |
| Engr. Date  | 4/19/2012 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011      |

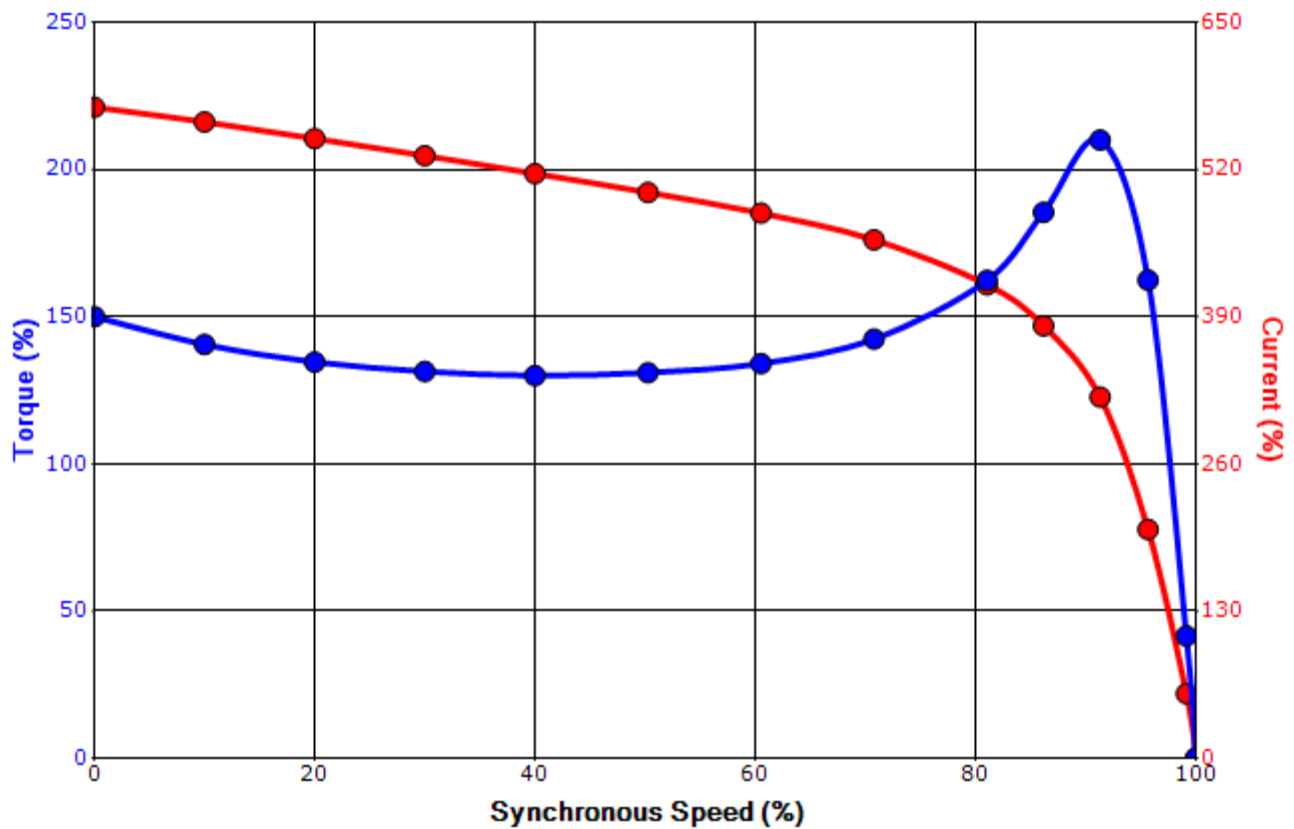
|             |           |            |  |
|-------------|-----------|------------|--|
| Issued Date | 5/11/2023 | Transmit # |  |
| Issued By   | dschoeck  | Issued Rev |  |

**SPEED TORQUE/CURRENT CURVE**

Model: 0406SDJR41P-P

|                   |   |                   |                  |             |                |             |          |              |
|-------------------|---|-------------------|------------------|-------------|----------------|-------------|----------|--------------|
| HP                | kW  | Pole              | FL RPM           | Frame       | Voltage        | Hz          | Phase    | FL Amps      |
| 40                | 30  | 6                 | 975              | 364JP       | 190/380        | 50          | 3        | 120/60       |
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| TEFC              | 55  | F                 | 1.0              | CONT        | 91.7           | 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 (%) |             |          |              |
| 345               | 17.67   | 215               | 150              | 135         | 210            |             |          |              |

**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.

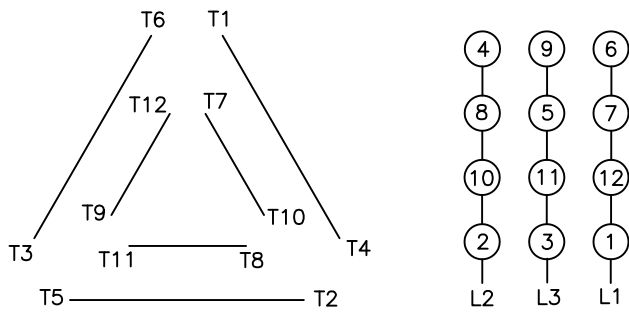
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|-------------|-----------|------------------|-------------|-------------|---------------|
| Engineering | jhock     | Doc. Written By  | D. Suarez   | Doc.# / Rev | MPCF-1121 / 0 |
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**Motor Connection Diagrams**  
12 Leads

Across-the-Line Starting / Running Connections

Low Voltage Delta



High Voltage Delta



Switch L1 and L2 to reverse rotation

Suitable for Wye-Delta Starting and Limited Part-Winding-Starting.  
Please Contact Toshiba International for specific connections.