

TYPICAL MOTOR PERFORMANCE DATA

Model: 0306SDJR41P-P

| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
|-----------|----|------------|--------|-------|----------------|-------------|----------|--------------|
| 30 | 22 | 6 | 1180 | 326JP | 230/460 | 60 | 3 | 74/37 |
| Enclosure | IP | Ins. Class | S.F. | Duty | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| TEFC | 55 | F | 1.15 | CONT | 93.0 | B | | 40 C |

| Load | HP | kW | Amperes | Efficiency (%) | Power Factor (%) |
|--------------|-------|------|---------|----------------|------------------|
| Full Load | 30.00 | 22.4 | 37 | 92.8 | 81.0 |
| ¾ Load | 22.50 | 16.8 | 29 | 92.5 | 77.0 |
| ½ Load | 15.00 | 11.2 | 23 | 91.1 | 66.7 |
| ¼ Load | 7.50 | 5.6 | 15.7 | 85.9 | 51.8 |
| No Load | | | 14.7 | | |
| Locked Rotor | | | 217 | | 38.3 |

| Torque | | | | Rotor wk ² Inertia (lb-ft ²) |
|-------------------|----------------------|-----------------|--------------------|---|
| Full Load (lb-ft) | Locked Rotor (% FLT) | Pull Up (% FLT) | Break Down (% FLT) | |
| 134 | 220 | 170 | 265 | 12.34 |

| Safe Stall Time(s) | | Sound Pressure dB(A) @ 1M | Bearings* | | Approx. Motor Weight (lbs) |
|--------------------|-----|---------------------------|-----------|---------|----------------------------|
| Cold | Hot | | DE | NDE | |
| 35 | 15 | - | 6312ZC3 | 6312ZC3 | 571 |

*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 | bmmamen | Doc. Written By | D. Suarez | Doc.# / Rev | MPCF-1119 / 0 |
| Engr. Date | 6/18/2019 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011 |

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| 30 | 22 | 6 | 970 | 326JP | 190/380 | 50 | 3 | 92/46 |
| 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 | 30.00 | 22.4 | 46 | 93.0 | 80.0 |
| ¾ Load | 22.50 | 16.8 | 34 | 93.9 | 76.3 |
| ½ Load | 15.00 | 11.2 | 26 | 94.1 | 67.6 |
| ¼ Load | 7.50 | 5.6 | 19.3 | 85.2 | 51.7 |
| No Load | | | 13.8 | | |
| Locked Rotor | | | 287 | | 34.8 |

| | | | | |
|-------------------|----------------------|-----------------|--------------------|-------------------------------|
| Torque | | | | Rotor wk ² |
| Full Load (lb-ft) | Locked Rotor (% FLT) | Pull Up (% FLT) | Break Down (% FLT) | Inertia (lb-ft ²) |
| 162 | 165 | 155 | 205 | 12.34 |

| | | | | | |
|--------------------|-----|---------------------------|-----------|---------|----------------------------|
| Safe Stall Time(s) | | Sound Pressure dB(A) @ 1M | Bearings* | | Approx. Motor Weight (lbs) |
| Cold | Hot | | DE | NDE | |
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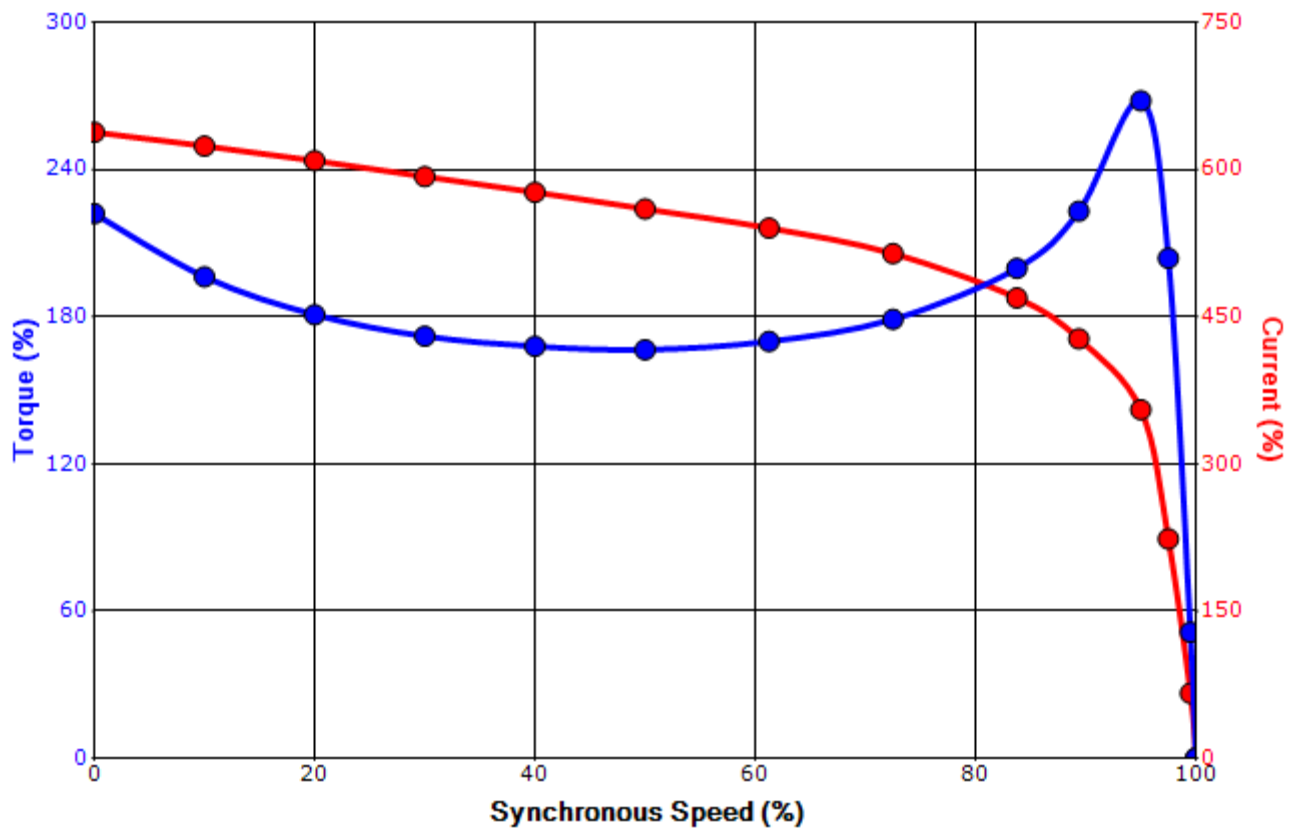
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|-------------|-----------|------------------|-------------|-------------|---------------|
| Engineering | jhock | Doc. Written By | D. Suarez | Doc.# / Rev | MPCF-1119 / 0 |
| Engr. Date | 6/17/2014 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011 |

SPEED TORQUE/CURRENT CURVE

Model: 0306SDJR41P-P

| | | | | | | | | |
|-------------------|---|-------------------|------------------|-------------|----------------|-------------|----------|----------------|
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| TEFC | 55 | F | 1.15 | CONT | 93.0 | B | | 40 C |
| Locked Rotor Amps | Rotor wk ² Inertia (lb-ft ²) | Torque | | | | | | Break Down (%) |
| | | Full Load (lb-ft) | Locked Rotor (%) | Pull Up (%) | | | | |
| 217 | 12.34 | 134 | 220 | 170 | | | 265 | |

Design Values



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

Tag:

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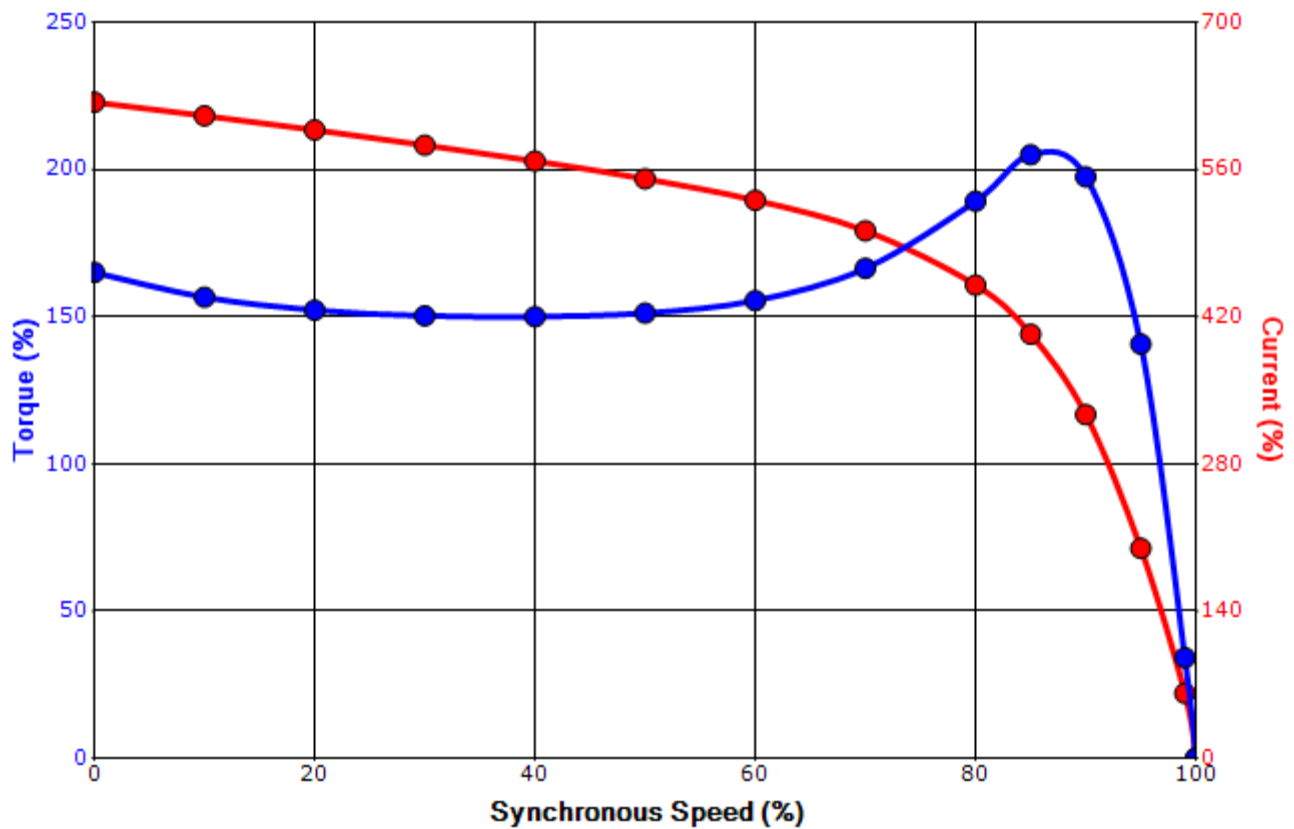
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|-------------|-----------|------------------|-------------|-------------|---------------|
| Engineering | bmammen | Doc. Written By | D. Suarez | Doc.# / Rev | MPCF-1121 / 0 |
| Engr. Date | 6/18/2019 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011 |

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| TEFC | 55 | F | 1.0 | CONT | 91.7 | B | | 40 C |
| Locked Rotor Amps | Rotor wk ² Inertia (lb-ft ²) | Torque | | | | | | Break Down (%) |
| | | Full Load (lb-ft) | Locked Rotor (%) | Pull Up (%) | | | | |
| 287 | 12.34 | 162 | 165 | 155 | | | 205 | |

Design Values



| | | | |
|-------------|--|--|-----|
| Customer | | wk ² Load Inertia (lb-ft ²) | - |
| 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 |
| Engr. Date | 6/17/2014 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011 |

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.