

TYPICAL MOTOR PERFORMANCE DATA

Model: 0154SDJC41M-P

| | | | | | | | | |
|-----------|----|------------|--------|-------|----------------|-------------|----------|--------------|
| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
| 15 | 11 | 4 | 1770 | 254JM | 575 | 60 | 3 | 15.2 |
| Enclosure | IP | Ins. Class | S.F. | Duty | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| TEFC | 55 | F | 1.15 | CONT | 92.4 | B | | 40 C |

| | | | | | |
|--------------|-------|------|---------|----------------|------------------|
| Load | HP | kW | Amperes | Efficiency (%) | Power Factor (%) |
| Full Load | 15.00 | 11.2 | 15.2 | 92.6 | 81.0 |
| ¾ Load | 11.25 | 8.4 | 11.4 | 92.2 | 78.3 |
| ½ Load | 7.50 | 5.6 | 8.6 | 90.4 | 70.9 |
| ¼ Load | 3.75 | 2.8 | 6.4 | 83.3 | 52.6 |
| No Load | | | 5.7 | | |
| Locked Rotor | | | 92 | | 39.1 |

| | | | | |
|-------------------|----------------------|-----------------|--------------------|-------------------------------|
| Torque | | | | Rotor wk ² |
| Full Load (lb-ft) | Locked Rotor (% FLT) | Pull Up (% FLT) | Break Down (% FLT) | Inertia (lb-ft ²) |
| 44.5 | 240 | 185 | 265 | 2.33 |

| | | | | | |
|--------------------|-----|---------------------------|-----------|----------|----------------------------|
| Safe Stall Time(s) | | Sound Pressure dB(A) @ 1M | Bearings* | | Approx. Motor Weight (lbs) |
| Cold | Hot | | DE | NDE | |
| 30 | 21 | - | 6309ZZC3 | 6309ZZC3 | 289 |

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

Motor Options:
Mounting:Footed,Shaft:JM Shaft

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

Tag:

All characteristics are average expected values.

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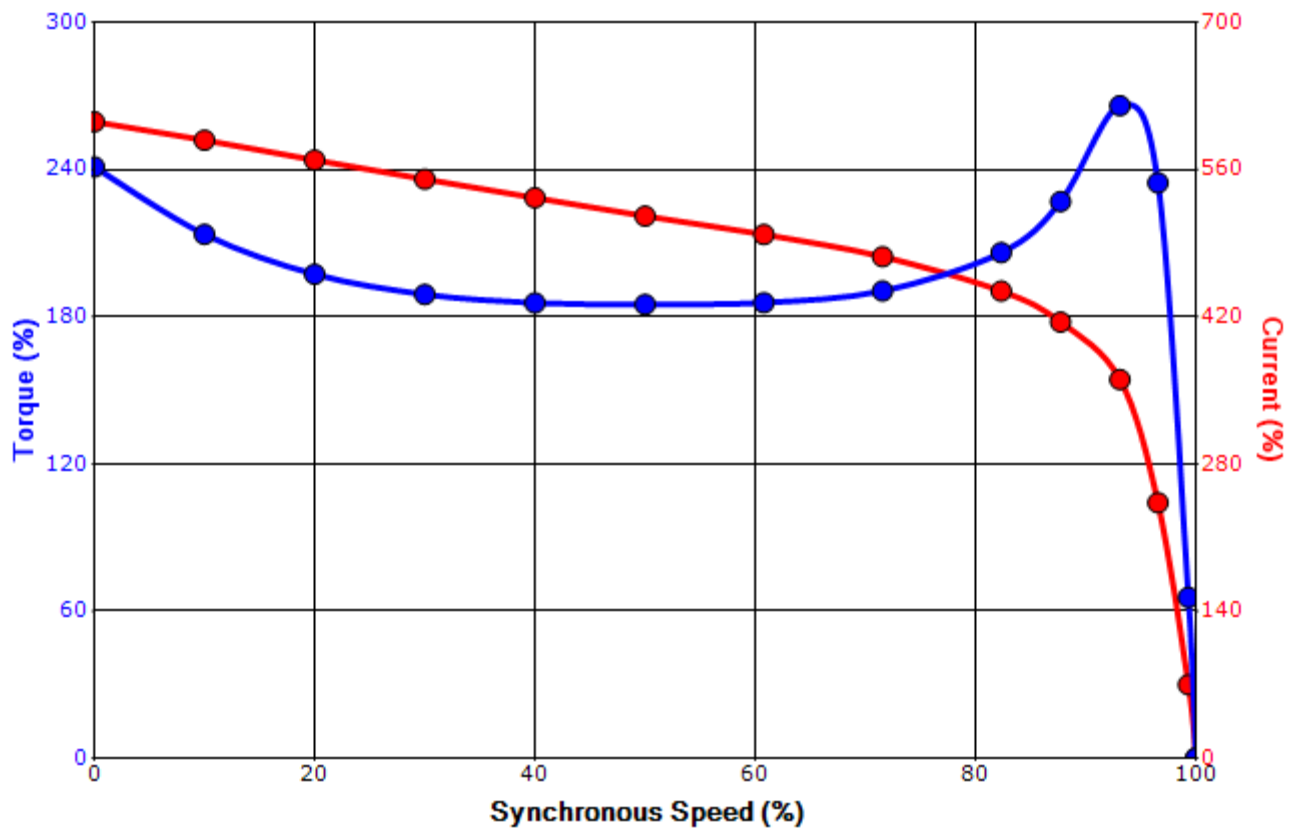
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|-------------|-----------|------------------|-------------|-------------|---------------|
| Engineering | jhock | Doc. Written By | D. Suarez | Doc.# / Rev | MPCF-1119 / 0 |
| Engr. Date | 3/10/2014 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011 |

SPEED TORQUE/CURRENT CURVE

Model: 0154SDJC41M-P

| | | | | | | | | |
|-------------------|---|-------------------|------------------|-------------|----------------|-------------|----------|----------------|
| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
| 15 | 11 | 4 | 1770 | 254JM | 575 | 60 | 3 | 15.2 |
| Enclosure | IP | Ins. Class | S.F. | Duty | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| TEFC | 55 | F | 1.15 | CONT | 92.4 | B | | 40 C |
| Locked Rotor Amps | Rotor wk ² Inertia (lb-ft ²) | Torque | | | | | | Break Down (%) |
| | | Full Load (lb-ft) | Locked Rotor (%) | Pull Up (%) | | | | |
| 92 | 2.33 | 44.5 | 240 | 185 | | | 265 | |

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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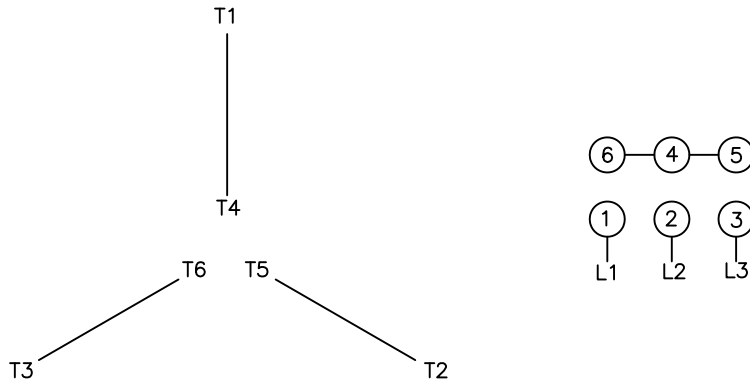
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|-------------|-----------|------------------|-------------|-------------|---------------|
| Engineering | jhock | Doc. Written By | D. Suarez | Doc.# / Rev | MPCF-1121 / 0 |
| Engr. Date | 3/10/2014 | Doc. Approved By | M. Campbell | Doc. Issued | 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