

TYPICAL MOTOR PERFORMANCE DATA

Model: 0016XPEA42A-P

| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
|-----------|------|------------|--------|-------|----------------|-------------|----------|--------------|
| 1 | 0.75 | 6 | 1165 | 143TC | 230/460 | 60 | 3 | 3.4/1.7 |
| Enclosure | IP | Ins. Class | S.F. | Duty | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| TEFC | 56 | F | 1.15 | CONT | 82.5 | B | | 40 C |

| Load | HP | kW | Amperes | Efficiency (%) | Power Factor (%) |
|--------------|------|-----|---------|----------------|------------------|
| Full Load | 1.00 | 0.7 | 1.7 | 83.9 | 65.8 |
| ¾ Load | 0.75 | 0.6 | 1.4 | 82.6 | 57.3 |
| ½ Load | 0.50 | 0.4 | 1.2 | 79.6 | 48.9 |
| ¼ Load | 0.25 | 0.2 | 1.0 | 67.7 | 31.7 |
| No Load | | | 1.1 | | 7.5 |
| Locked Rotor | | | 11.7 | | 55.6 |

| Torque | | | | Rotor wk ² Inertia (lb-ft ²) |
|----------------------|-------------------------|--------------------|-----------------------|---|
| Full Load (lb-ft) | Locked Rotor (% FLT) | Pull Up (% FLT) | Break Down (% FLT) | |
| 4.51 | 250 | 180 | 350 | 0.18 |

| Safe Stall Time(s) | | Sound Pressure dB(A) @ 1M | Bearings* | | Approx. Motor Weight (lbs) |
|--------------------|-----|------------------------------|-----------|----------|-------------------------------|
| Cold | Hot | | DE | NDE | |
| 35 | 15 | - | 6305ZZC3 | 6305ZZC3 | 75 |

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

Motor Options:
Product Family:EQP Global Explosion Proof
Mounting:C-Face Footed,Shaft:T Shaft

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

Tag:

All characteristics are average expected values.

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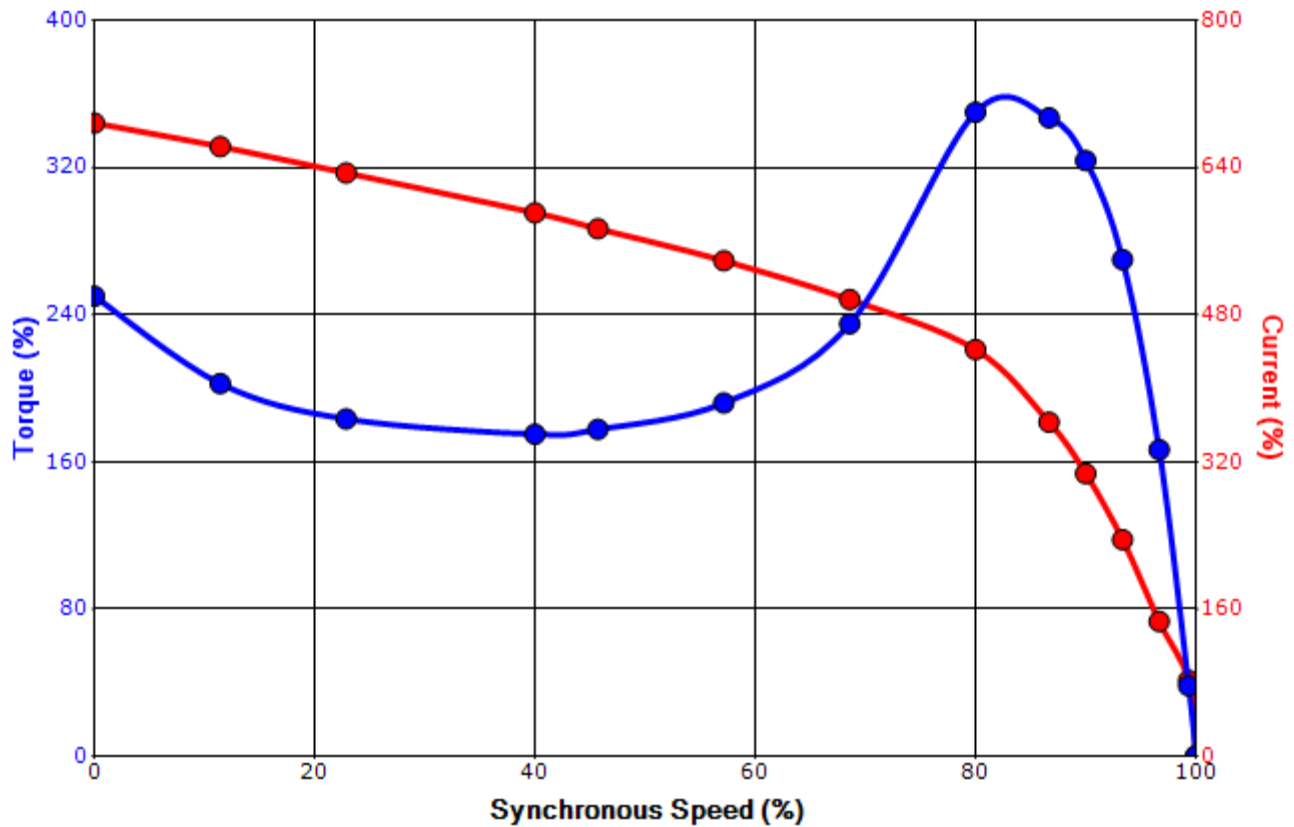
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|-------------|----------|------------------|-------------|-------------|---------------|
| Engineering | spinzon | Doc. Written By | D. Suarez | Doc.# / Rev | MPCF-1119 / 0 |
| Engr. Date | 8/5/2024 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011 |

SPEED TORQUE/CURRENT CURVE

Model: 0016XPEA42A-P

| | | | | | | | | |
|-------------------|---|-------------------|------------------|-------------|----------------|-------------|----------|----------------|
| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
| 1 | 0.75 | 6 | 1165 | 143TC | 230/460 | 60 | 3 | 3.4/1.7 |
| Enclosure | IP | Ins. Class | S.F. | Duty | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| TEFC | 56 | F | 1.15 | CONT | 82.5 | B | | 40 C |
| Locked Rotor Amps | Rotor wk ² Inertia (lb-ft ²) | Torque | | | | | | Break Down (%) |
| | | Full Load (lb-ft) | Locked Rotor (%) | Pull Up (%) | | | | |
| 11.7 | 0.18 | 4.51 | 250 | 180 | | | 350 | |

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 | spinzon | Doc. Written By | D. Suarez | Doc.# / Rev | MPCF-1121 / 0 |
| Engr. Date | 8/5/2024 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011 |

Motor Connection Diagrams
9 Leads

Across-the-Line Starting / Running Connections

Low Voltage Wye



High Voltage Wye



Switch L1 and L2 to reverse rotation