



## TYPICAL MOTOR PERFORMANCE DATA

Model: 0036XSSC42A-P

| HP        | kW  | Pole       | FL RPM | Frame | Voltage        | Hz          | Phase    | FL Amps      |
|-----------|-----|------------|--------|-------|----------------|-------------|----------|--------------|
| 3         | 2.2 | 6          | 1170   | 213TC | 575            | 60          | 3        | 3.5          |
| 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    | 3.00 | 2.2 | 3.5     | 89.8           | 71.2             |
| ¾ Load       | 2.25 | 1.7 | 3.0     | 88.7           | 63.5             |
| ½ Load       | 1.50 | 1.1 | 2.6     | 85.2           | 50.8             |
| ¼ Load       | 0.75 | 0.6 | 2.0     | 76.6           | 36.5             |
| No Load      |      |     | 2.0     |                | 5.6              |
| Locked Rotor |      |     | 25      |                | 43.7             |

| Torque            |                      |                 |                    | Rotor wk² Inertia (lb-ft²) |
|-------------------|----------------------|-----------------|--------------------|----------------------------|
| Full Load (lb-ft) | Locked Rotor (% FLT) | Pull Up (% FLT) | Break Down (% FLT) |                            |
| 13.5              | 275                  | 195             | 405                | 1.03                       |

| Safe Stall Time(s) |     | Sound Pressure dB(A) @ 1M | Bearings* |          | Approx. Motor Weight (lbs) |
|--------------------|-----|---------------------------|-----------|----------|----------------------------|
| Cold               | Hot |                           | DE        | NDE      |                            |
| 35                 | 15  | -                         | 6308ZZC3  | 6308ZZC3 | 172                        |

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

**Motor Options:**  
Product Family:EQP Global 840 CFace Footed  
Mounting:C-Face Footed,Shaft:T Shaft

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

Tag:

All characteristics are average expected values.

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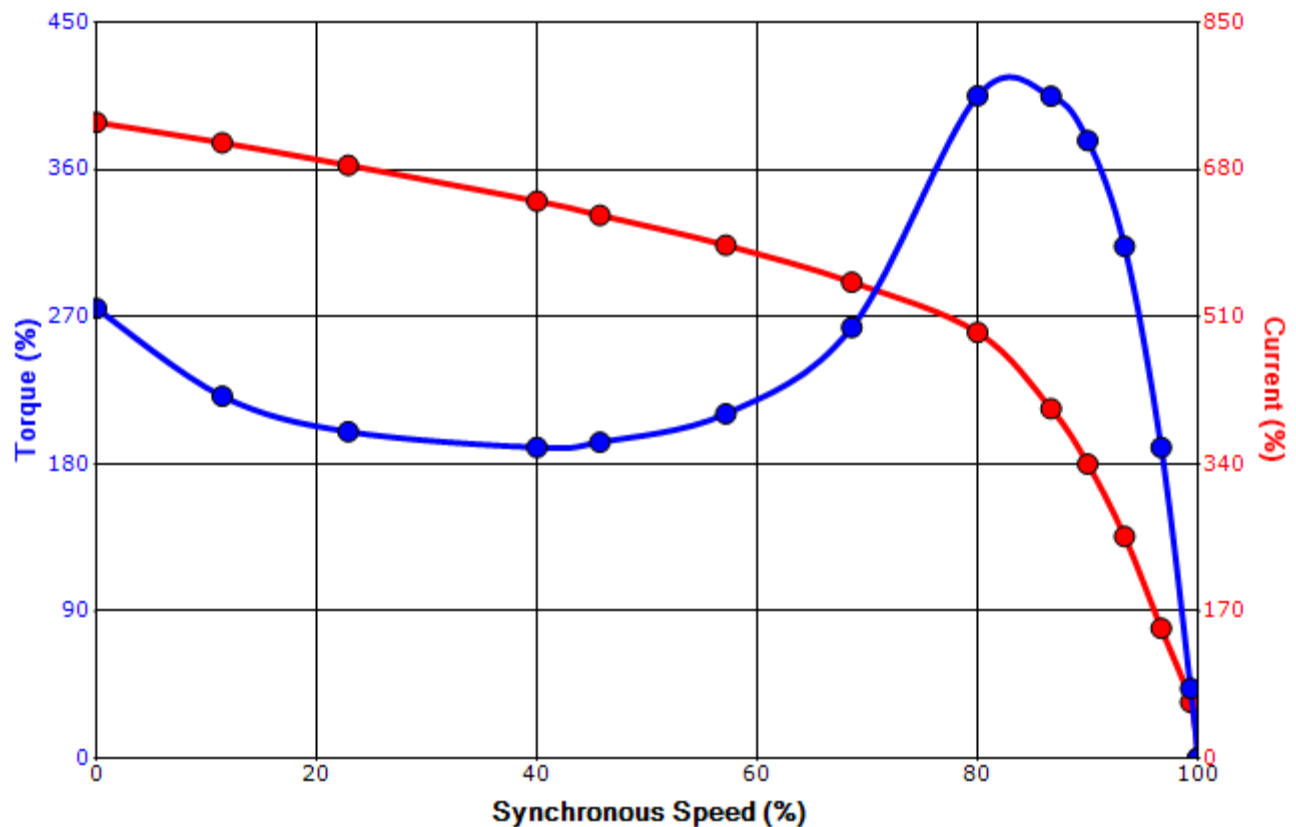
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|-------------|----------|------------------|-------------|-------------|---------------|
| Engineering | spinzon  | Doc. Written By  | D. Suarez   | Doc.# / Rev | MPCF-1119 / 0 |
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## SPEED TORQUE/CURRENT CURVE

Model: 0036XSSC42A-P

| HP                | kW                                                  | Pole              | FL RPM           | Frame | Voltage        | Hz          | Phase          | FL Amps      |
|-------------------|-----------------------------------------------------|-------------------|------------------|-------|----------------|-------------|----------------|--------------|
| 3                 | 2.2                                                 | 6                 | 1170             | 213TC | 575            | 60          | 3              | 3.5          |
| 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 (%) |              |
| 25                | 1.03                                                | 13.5              | 275              |       | 195            |             | 405            |              |

### 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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|             |          |                  |             |             |               |
|-------------|----------|------------------|-------------|-------------|---------------|
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### Motor Connection Diagram

#### 3 Leads - Delta Connection



Switch L1 and L2 to reverse rotation

Each lead may consist of more than one cable.  
If multiple cables represent a single lead, each one  
of them will be labeled with the appropriate lead number.