



## TYPICAL MOTOR PERFORMANCE DATA

Model: 0206SDBC44A-P

| HP        | kW | Pole       | FL RPM | Frame | Voltage        | Hz          | Phase    | FL Amps      |
|-----------|----|------------|--------|-------|----------------|-------------|----------|--------------|
| 20        | 15 | 6          | 1170   | 286TC | 575            | 60          | 3        | 20           |
| Enclosure | IP | Ins. Class | S.F.   | Duty  | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| TEFC      | 55 | F          | 1.15   | CONT  | 91.7           | B           |          | 40 C         |

| Load         | HP    | kW   | Amperes | Efficiency (%) | Power Factor (%) |
|--------------|-------|------|---------|----------------|------------------|
| Full Load    | 20.00 | 14.9 | 20      | 91.9           | 80.4             |
| ¾ Load       | 15.00 | 11.2 | 15.6    | 92.0           | 76.7             |
| ½ Load       | 10.00 | 7.5  | 12.1    | 90.9           | 67.8             |
| ¼ Load       | 5.00  | 3.7  | 9.5     | 84.8           | 46.1             |
| No Load      |       |      | 8.3     |                |                  |
| Locked Rotor |       |      | 115     |                |                  |

| Torque            |                      |                 |                    | Rotor wk² Inertia (lb-ft²) |
|-------------------|----------------------|-----------------|--------------------|----------------------------|
| Full Load (lb-ft) | Locked Rotor (% FLT) | Pull Up (% FLT) | Break Down (% FLT) |                            |
| 89.8              | 235                  | 205             | 255                | 6.10                       |

| Safe Stall Time(s) |     | Sound Pressure dB(A) @ 1M | Bearings* |         | Approx. Motor Weight (lbs) |
|--------------------|-----|---------------------------|-----------|---------|----------------------------|
| Cold               | Hot |                           | DE        | NDE     |                            |
| 35                 | 15  | -                         | 6310ZC3   | 6310ZC3 | 503                        |

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

### Motor Options:

Product Family:EQP Global Brake  
Mounting:C-Face Footed,Shaft:T Shaft  
Brake Torque (lb-ft): 125.00

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

Tag:

All characteristics are average expected values.

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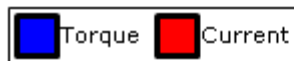
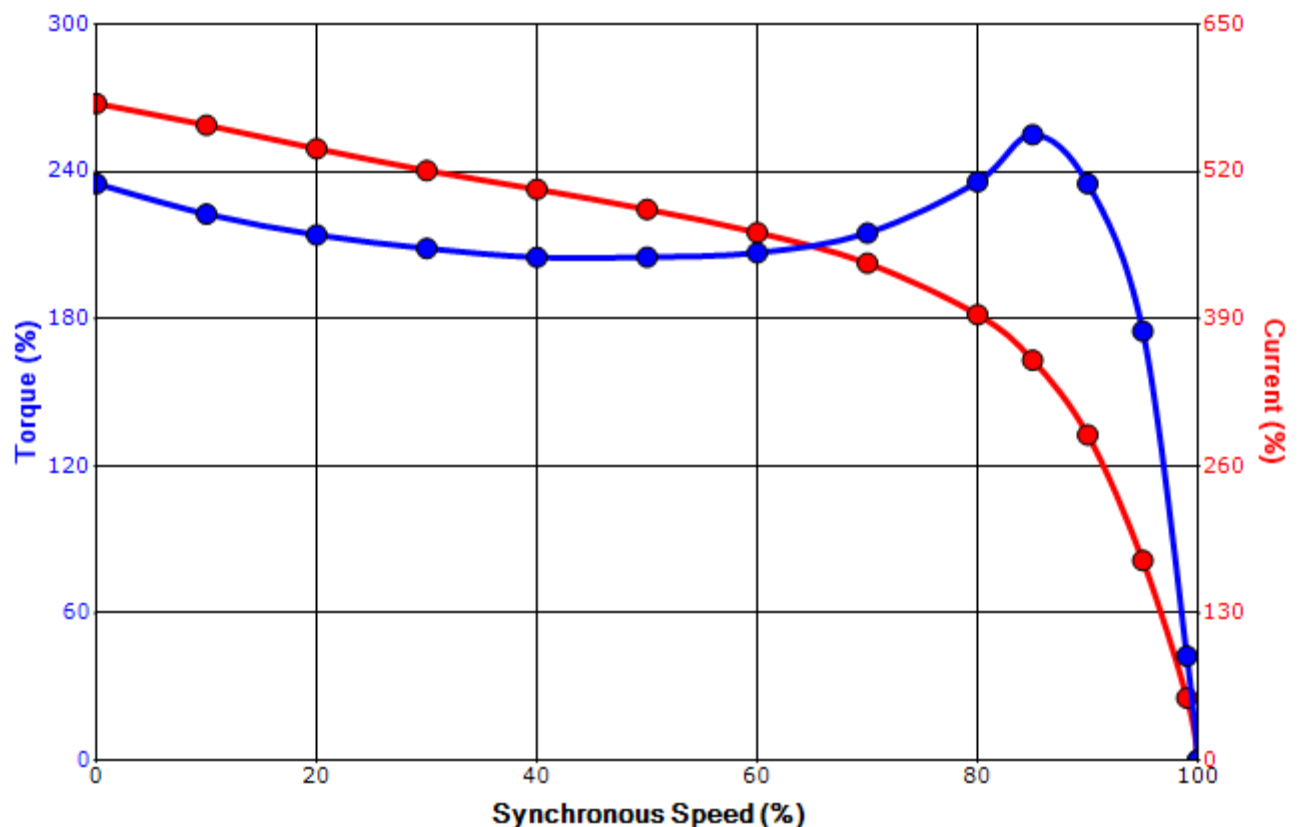
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|-------------|-----------|------------------|-------------|-------------|---------------|
| Engineering | garce     | Doc. Written By  | D. Suarez   | Doc.# / Rev | MPCF-1119 / 0 |
| Engr. Date  | 8/21/2015 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011      |

## SPEED TORQUE/CURRENT CURVE

Model: 0206SDBC44A-P

| HP                | kW                                                  | Pole              | FL RPM           | Frame       | Voltage        | Hz             | Phase    | FL Amps      |
|-------------------|-----------------------------------------------------|-------------------|------------------|-------------|----------------|----------------|----------|--------------|
| 20                | 15                                                  | 6                 | 1170             | 286TC       | 575            | 60             | 3        | 20           |
| Enclosure         | IP                                                  | Ins. Class        | S.F.             | Duty        | NEMA Nom. Eff. | NEMA Design    | kVA Code | Ambient (°C) |
| TEFC              | 55                                                  | F                 | 1.15             | 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 (%) |          |              |
| 115               | 6.10                                                | 89.8              | 235              | 205         |                | 255            |          |              |

### 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:

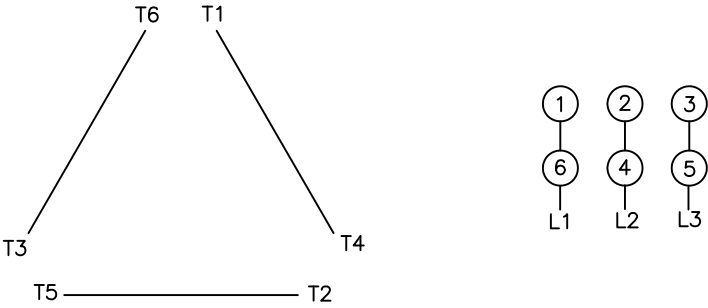
All characteristics are average expected values.

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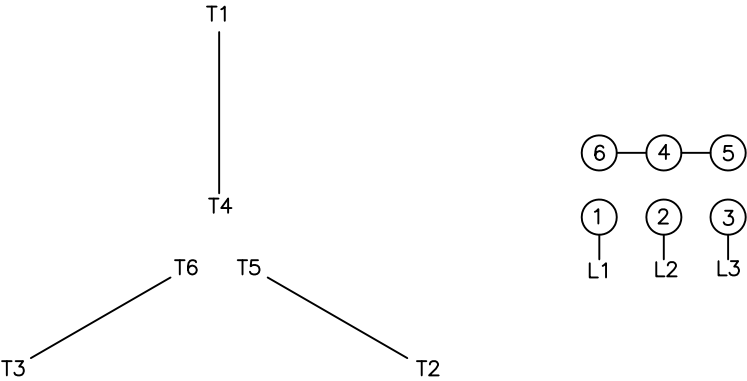
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|-------------|-----------|------------------|-------------|-------------|---------------|
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**Motor Connection Diagrams**  
6 Leads

Across the Line Starting / Run - Delta:



Alternate Starting Connection - Wye:



Switch L1 and L2 to reverse rotation