

## TYPICAL MOTOR PERFORMANCE DATA

Model: B2006FLF4BSHDL

| HP        | kW  | Pole       | FL RPM | Frame | Voltage           | Hz             | Phase    | FL Amps         |
|-----------|-----|------------|--------|-------|-------------------|----------------|----------|-----------------|
| 200       | 150 | 6          | 1190   | N449T | 460               | 60             | 3        | 246             |
| Enclosure | IP  | Ins. Class | S.F.   | Duty  | NEMA<br>Nom. Eff. | NEMA<br>Design | kVA Code | Ambient<br>(°C) |
| TEFC      | 54  | F          | 1.15   | CONT  | 96.2              | B              | F        | 40 C            |

| Load         | HP     | kW    | Amperes | Efficiency (%) | Power Factor (%) |
|--------------|--------|-------|---------|----------------|------------------|
| Full Load    | 200    | 149.1 | 245.2   | 96.2           | 83.1             |
| ¾ Load       | 150.00 | 111.9 | 191.8   | 95.5           | 80.3             |
| ½ Load       | 100.00 | 74.6  | 143.9   | 93.8           | 72.7             |
| ¼ Load       | 50.00  | 37.3  | 105.8   | 88.1           | 50.2             |
| No Load      |        |       | 89.0    |                |                  |
| Locked Rotor |        |       | 1398.00 |                |                  |

| Torque               |                         |                    |                       | Rotor wk²<br>Inertia<br>(lb-ft²) |
|----------------------|-------------------------|--------------------|-----------------------|----------------------------------|
| Full Load<br>(lb-ft) | Locked Rotor<br>(% FLT) | Pull Up<br>(% FLT) | Break Down<br>(% FLT) |                                  |
| 883                  | 150                     | 130                | 240                   | 130.94                           |

| Safe Stall Time(s) |      | Sound<br>Pressure<br>dB(A) @ 1M | Bearings* |        | Approx. Motor Weight<br>(lbs) |
|--------------------|------|---------------------------------|-----------|--------|-------------------------------|
| Cold               | Hot  |                                 | DE        | NDE    |                               |
| 25                 | 15.5 | -                               | NU322C3   | 6318C3 |                               |

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

**Motor Options:**  
Product Family:EQPIII 840  
Mounting:Footed,Shaft:T Shaft

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

Tag:

All characteristics are average expected values.

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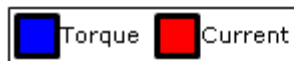
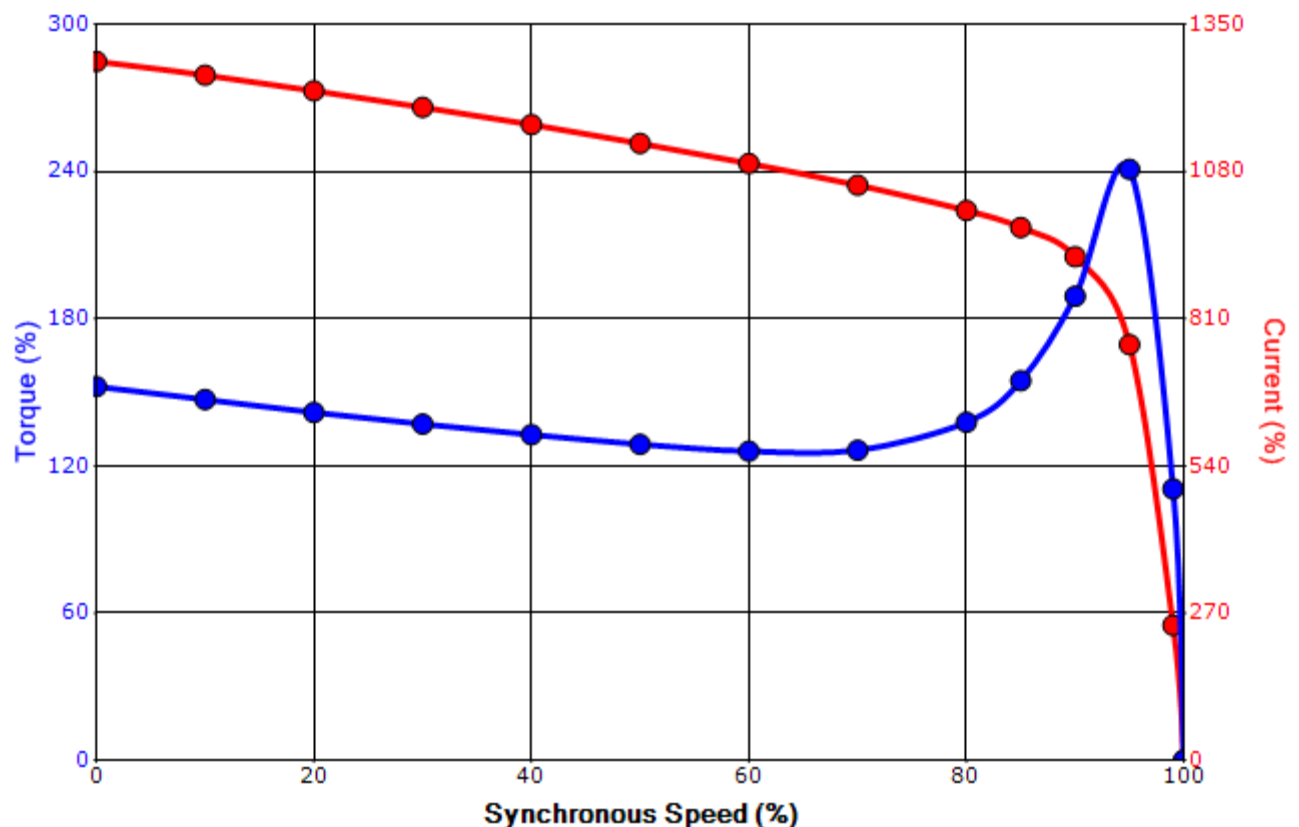
|             |          |                  |             |             |               |
|-------------|----------|------------------|-------------|-------------|---------------|
| Engineering | bammen   | Doc. Written By  | D. Suarez   | Doc.# / Rev | MPCF-1119 / 0 |
| Engr. Date  | 7/8/2014 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011      |

## SPEED TORQUE/CURRENT CURVE

Model: B2006FLF4BSHDL

| HP                | kW                                                  | Pole              | FL RPM           | Frame       | Voltage        | Hz             | Phase    | FL Amps      |
|-------------------|-----------------------------------------------------|-------------------|------------------|-------------|----------------|----------------|----------|--------------|
| 200               | 150                                                 | 6                 | 1190             | N449T       | 460            | 60             | 3        | 246          |
| Enclosure         | IP                                                  | Ins. Class        | S.F.             | Duty        | NEMA Nom. Eff. | NEMA Design    | kVA Code | Ambient (°C) |
| TEFC              | 54                                                  | F                 | 1.15             | CONT        | 96.2           | B              | F        | 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 (%) |          |              |
| 1398.00           | 130.94                                              | 883               | 150              | 130         |                | 240            |          |              |

### 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:

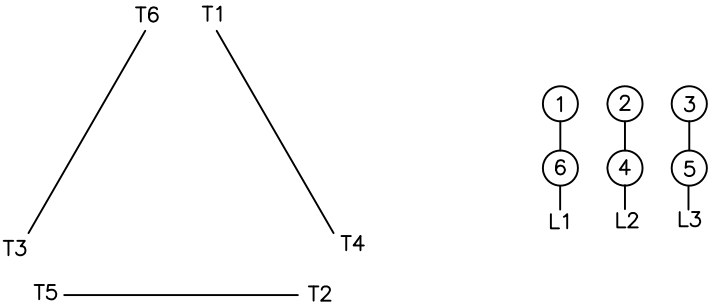
All characteristics are average expected values.

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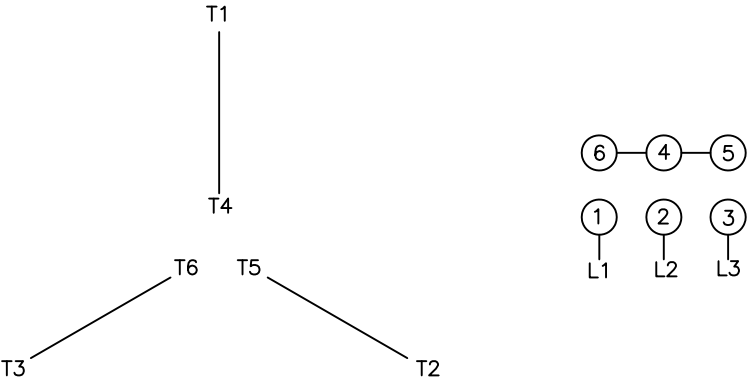
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|-------------|----------|------------------|-------------|-------------|---------------|
| Engineering | bmammen  | Doc. Written By  | D. Suarez   | Doc.# / Rev | MPCF-1121 / 0 |
| Engr. Date  | 7/8/2014 | Doc. Approved By | M. Campbell | Doc. Issued | 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