



**TYPICAL MOTOR PERFORMANCE DATA**

Model: B0756YLF3OSH

|           |    |            |        |       |                |             |          |              |
|-----------|----|------------|--------|-------|----------------|-------------|----------|--------------|
| HP        | kW | Pole       | FL RPM | Frame | Voltage        | Hz          | Phase    | FL Amps      |
| 75        | 55 | 6          | 1185   | 405T  | 575            | 60          | 3        | 74           |
| Enclosure | IP | Ins. Class | S.F.   | Duty  | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| TEFC      | 55 | F          | 1.15   | CONT  | 95             | B           | G        | 40 C         |

|              |       |      |         |                |                  |
|--------------|-------|------|---------|----------------|------------------|
| Load         | HP    | kW   | Amperes | Efficiency (%) | Power Factor (%) |
| Full Load    | 75    | 55.9 | 73.0    | 94.7           | 81.2             |
| ¾ Load       | 56.25 | 41.9 | 57.6    | 94.4           | 77.4             |
| ½ Load       | 37.50 | 28.0 | 44.1    | 93.1           | 68.4             |
| ¼ Load       | 18.75 | 14.0 | 33.8    | 88.2           | 47.1             |
| No Load      |       |      | 25.9    |                | 3.2              |
| Locked Rotor |       |      | 434.00  |                | 33.6             |

|                   |                      |                 |                    |                               |
|-------------------|----------------------|-----------------|--------------------|-------------------------------|
| Torque            |                      |                 |                    | Rotor wk <sup>2</sup>         |
| Full Load (lb-ft) | Locked Rotor (% FLT) | Pull Up (% FLT) | Break Down (% FLT) | Inertia (lb-ft <sup>2</sup> ) |
| 332               | 195                  | 175             | 240                | 35.70                         |

|                    |     |                           |           |        |                            |
|--------------------|-----|---------------------------|-----------|--------|----------------------------|
| Safe Stall Time(s) |     | Sound Pressure dB(A) @ 1M | Bearings* |        | Approx. Motor Weight (lbs) |
| Cold               | Hot |                           | DE        | NDE    |                            |
| 15                 | 7   | -                         | 6317C3    | 6313C3 |                            |

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

**Motor Options:**  
Product Family:TEXP  
Mounting:Footed,Shaft:T Shaft

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

Tag:

All characteristics are average expected values.

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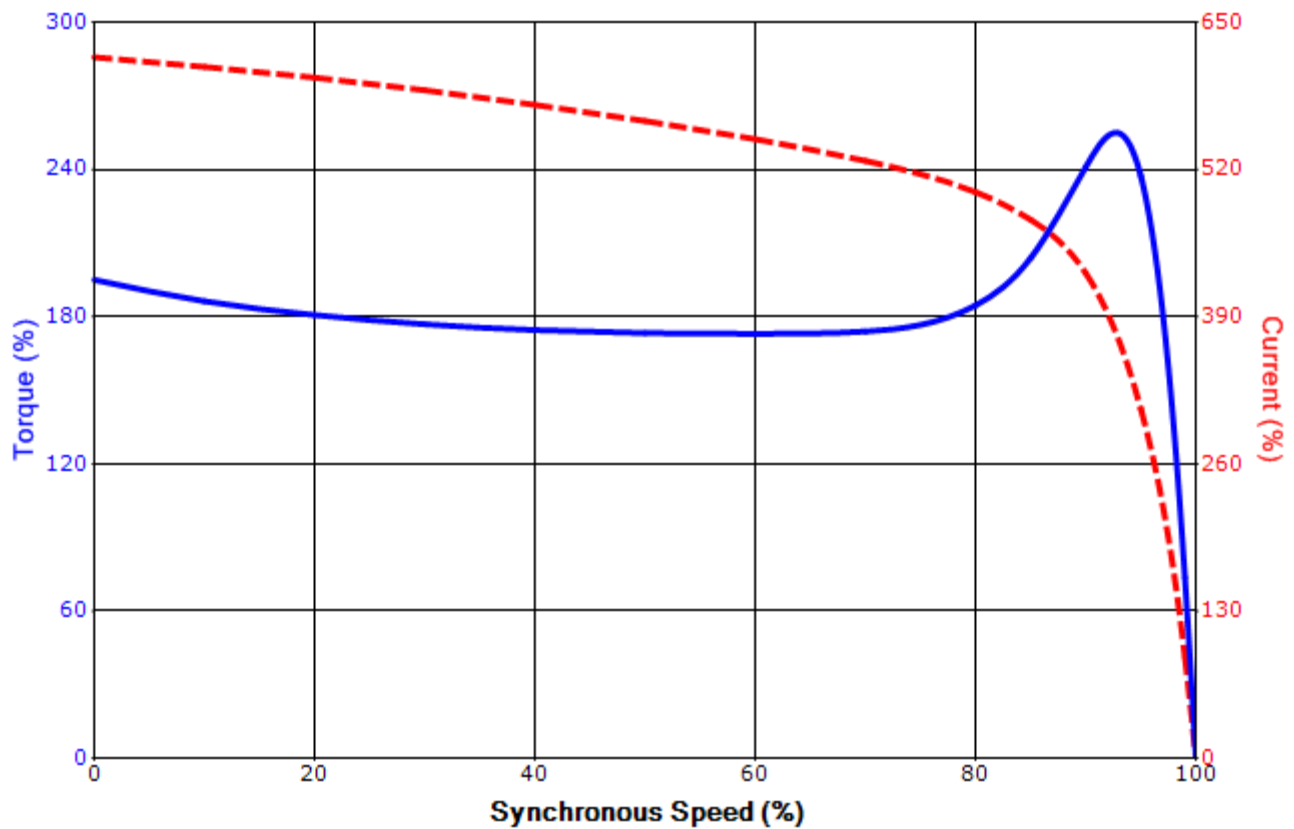
|             |           |                  |             |             |               |
|-------------|-----------|------------------|-------------|-------------|---------------|
| Engineering | aacosta   | Doc. Written By  | D. Suarez   | Doc.# / Rev | MPCF-1119 / 0 |
| Engr. Date  | 5/28/2013 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011      |

**SPEED TORQUE/CURRENT CURVE**

Model: B0756YLF3OSH

|                   |   |                   |                  |       |                |             |                |              |
|-------------------|---|-------------------|------------------|-------|----------------|-------------|----------------|--------------|
| HP                | kW  | Pole              | FL RPM           | Frame | Voltage        | Hz          | Phase          | FL Amps      |
| 75                | 55  | 6                 | 1185             | 405T  | 575            | 60          | 3              | 74           |
| Enclosure         | IP  | Ins. Class        | S.F.             | Duty  | NEMA Nom. Eff. | NEMA Design | kVA Code       | Ambient (°C) |
| TEFC              | 55  | F                 | 1.15             | CONT  | 95             | B           | G              | 40 C         |
| Locked Rotor Amps | Rotor wk <sup>2</sup> Inertia (lb-ft <sup>2</sup> ) | Torque            |                  |       |                | Pull Up (%) | Break Down (%) |              |
|                   |   | Full Load (lb-ft) | Locked Rotor (%) |       |                |             |                |              |
| 434.00            | 35.70   | 332               | 195              |       | 175            | 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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**Motor Connection Diagrams**  
6 Leads

Across the Line Starting / Run - Delta:



Alternate Starting Connection - Wye:



Switch L1 and L2 to reverse rotation