


- NOTES:
1. MAIN CONDUIT BOX MAY BE ROTATED IN 90° INCREMENTS
  2. STANDARD PRODUCT USE BI-DIRECTIONAL FAN. OPPOSITE ROTATION AVAILABLE ONLY BY CONNECTION CHANGE.
  3. KEY DIMENSIONS EQUAL (MOTOR SUPPLIED WITH KEY)
- 0.625" x 0.625" x 4.25"

UNITS: INCHES

TOSHIBA RESERVES THE RIGHT TO MAKE CHANGES OF TECHNICAL IMPROVEMENT WITHOUT NOTICE. DO NOT USE FOR CONSTRUCTION, INSTALLATION, OR APPLICATION PURPOSES UNLESS THE DRAWING IS CERTIFIED.

<p><b>360TC TEFC FRAME F1 ASSEMBLY</b></p>	<p>TOLERANCES</p> <p>.X .1</p> <p>.XX .03</p> <p>.XXX .005</p> <p>.XXXX .0005</p>																	
<p>MDSL045-07</p>	<p>MAXIMUM MOTOR WEIGHT</p> <p>893 lbs.</p> <p>405 kgs.</p>	<table border="1"> <tr> <td>1</td> <td>CHANGED 'H' DIMENSION FROM 0.67</td> <td>MO</td> <td>04/22/14</td> <td>JR</td> </tr> <tr> <td>0</td> <td>FIRST ISSUE</td> <td>N. MOMIN</td> <td>11/18/10</td> <td>JR</td> </tr> <tr> <td>NO</td> <td>REVISION</td> <td>DRAWN BY</td> <td>DATE</td> <td>CHECK</td> </tr> </table>	1	CHANGED 'H' DIMENSION FROM 0.67	MO	04/22/14	JR	0	FIRST ISSUE	N. MOMIN	11/18/10	JR	NO	REVISION	DRAWN BY	DATE	CHECK	<p>DRAWN BY: N. MOMIN</p> <p>CHECK BY: J. RUSSELL</p> <p>APPROVED BY: _____</p> <p>www.toshiba.com/ind</p>
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<p><b>TOSHIBA</b></p> <p>TOSHIBA INTERNATIONAL CORPORATION</p>																		

**TYPICAL MOTOR PERFORMANCE DATA**

Model: 0506XSSB42A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
50	37	6	1180	365TC	460	60	3	60
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.15	CONT	94.1	B	G	40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	50	37.3	60.0	94.1	85.2
¾ Load	37.50	28.0	45.7	94.0	82.4
½ Load	25.00	18.6	33.9	93.2	75.2
¼ Load	12.50	9.3	24.7	89.2	53.0
No Load			18.2		4.2
Locked Rotor			360.00		36.3

Torque				Rotor wk <sup>2</sup> Inertia (lb-ft <sup>2</sup> )
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
223	185	165	250	20.06

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
25.1	12.1	-	6314C3	6312C3	

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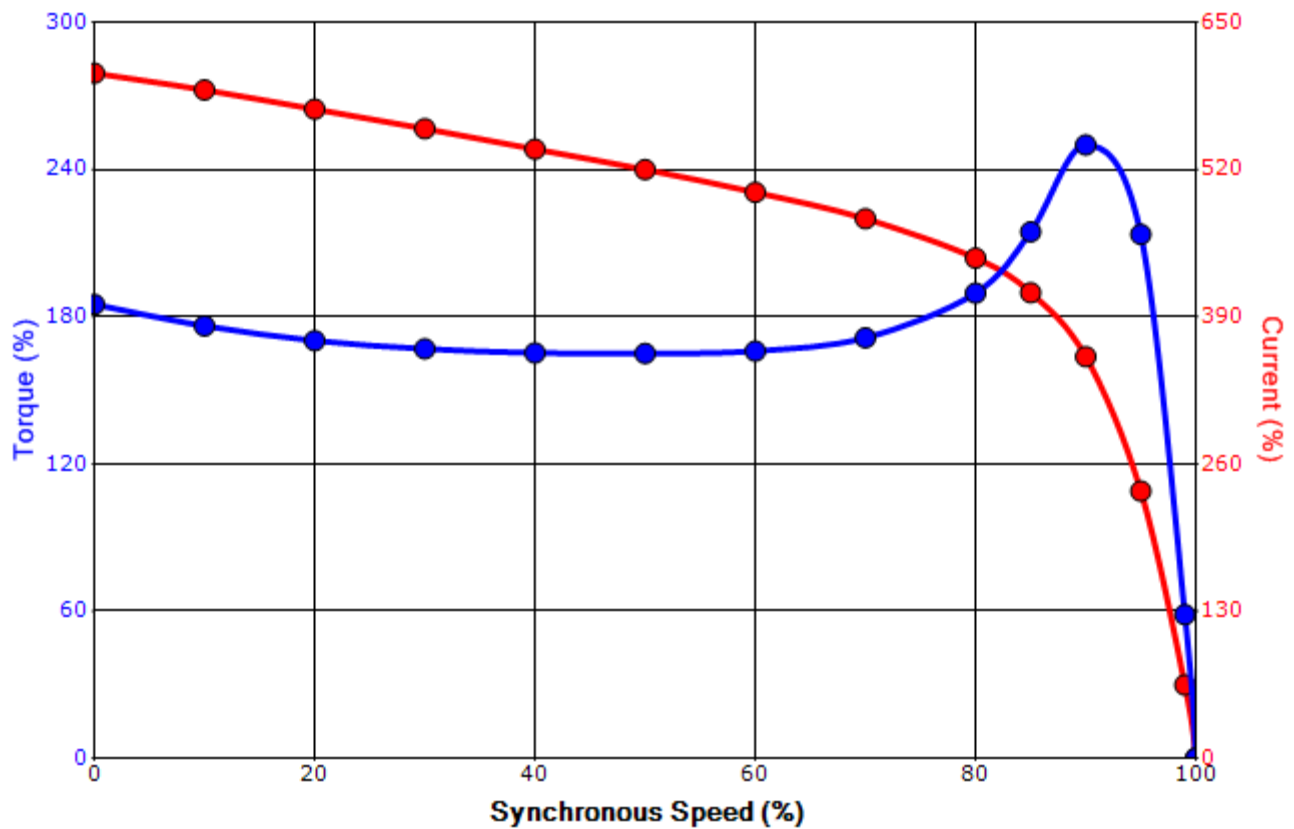
Engineering	jaustin	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	7/7/2014	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

**SPEED TORQUE/CURRENT CURVE**

Model: 0506XSSB42A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
50	37	6	1180	365TC	460	60	3	60
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.15	CONT	94.1	B	G	40 C
Locked Rotor Amps	Rotor wk <sup>2</sup> Inertia (lb-ft <sup>2</sup> )	Torque						Break Down (%)
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)				
360.00	20.06	223	185	165			250	

**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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Engineering	jaustin	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0
Engr. Date	7/7/2014	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

**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.