

2.00" NPT CONDUIT  
4 x 5/8"-11 UNC

- 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) 0.500"x0.500"x2.00"

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.

**320TSC TEFC ROUND BODY FRAME  
F1 ASSEMBLY**

MDSL247-06

**TOSHIBA**

TOSHIBA INTERNATIONAL CORPORATION

TOLERANCES

.X	.1
.XX	.03
.XXX	.005
.XXXX	.0005

MAXIMUM MOTOR WEIGHT

lbs.	
kgs.	

1	CHANGED FORMAT	MO	04/23/14	JR
0	FIRST ISSUE	N. MOMIN	07/25/11	JR
NO	REVISION	DRAWN BY	DATE	CHECK



DRAWN BY: N. MOMIN  
 CHECK BY: J. RUSSELL  
 APPROVED BY: \_\_\_\_\_  
 www.toshiba.com/ind

**TYPICAL MOTOR PERFORMANCE DATA**

Model: 0402XSSC44B-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
40	30	2	3540	324TSC	575	60	3	38
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.15	CONT	92.4	B	G	40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	40	29.8	38.0	92.5	87.7
¾ Load	30.00	22.4	28.2	91.7	86.0
½ Load	20.00	14.9	20.4	89.5	80.9
¼ Load	10.00	7.5	13.9	83.6	64.2
No Load			9.7		7.9
Locked Rotor			232.00		44.5

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)	
59.3	270	225	280	5.74

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
35	15	-	6312C3	6312C3	

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

**Motor Options:**  
Mounting:C-Face Round,Shaft:TS Shaft

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values.

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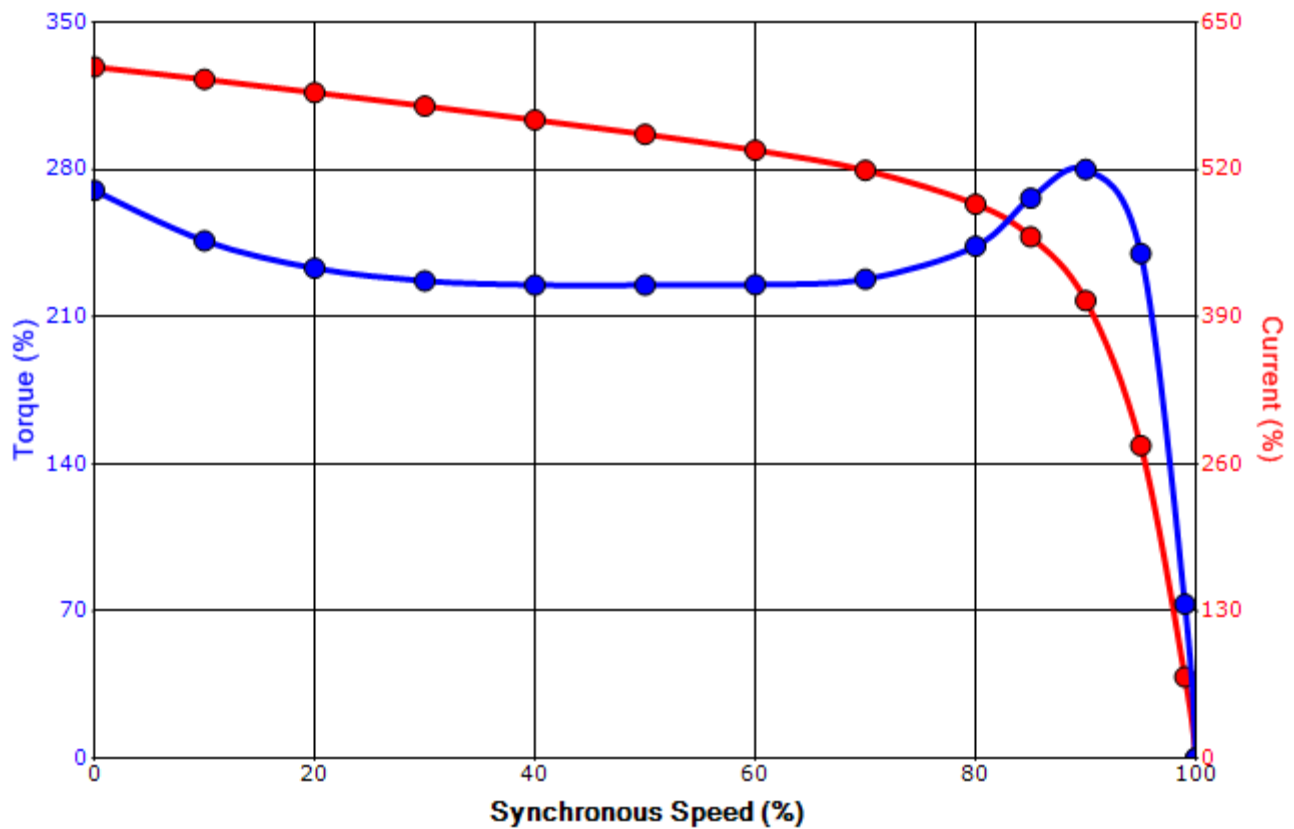
Engineering	garce	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	8/21/2015	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

**SPEED TORQUE/CURRENT CURVE**

Model: 0402XSSC44B-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
40	30	2	3540	324TSC	575	60	3	38
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.15	CONT	92.4	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 (%)				
232.00	5.74	59.3	270	225			280	

**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	garce	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0
Engr. Date	8/21/2015	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.