

- 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)
- 0.312" x 0.312" x 2.38"

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.

**210T TEXP FRAME  
F1 ASSEMBLY**

MDSL800-03

**TOSHIBA**  
TOSHIBA INTERNATIONAL CORPORATION

TOLERANCES

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

MAXIMUM  
MOTOR WEIGHT

221 lbs.  
101 kgs.

NO	REVISION	DATE	CHECK
1	CHANGE T-BOX ASSEMBLY AND FAN COVER	MO 03/24/14	JR
0	FIRST ISSUE (OVERRIDE 'S' DIMENSION)	MO 03/06/14	JR
NO			



DRAWN BY: M. O'DOWD  
 CHECK BY: J. RUSSELL  
 APPROVED BY: \_\_\_\_\_  
 www.toshiba.com/ind

**TYPICAL MOTOR PERFORMANCE DATA**

Model: 0036XPEA41A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
3	2.2	6	1170	213T	230/460	60	3	8.80/4.40
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	56	F	1.15	CONT	89.5	B	K	40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	3	2.2	4.4	89.6	74.1
¾ Load	2.25	1.7	3.5	89.1	67.7
½ Load	1.50	1.1	3.0	86.5	56.0
¼ Load	0.75	0.6	2.3	77.5	39.0
No Load			2.4		6.4
Locked Rotor			32.00		48.1

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> )
13.5	225	205	370	1.03

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
54.4	46.1	-	6308ZZC3	6308ZZC3	

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

**Motor Options:**  
Product Family:EQP Global Explosion Proof  
Mounting:Footed,Shaft:T Shaft

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values.

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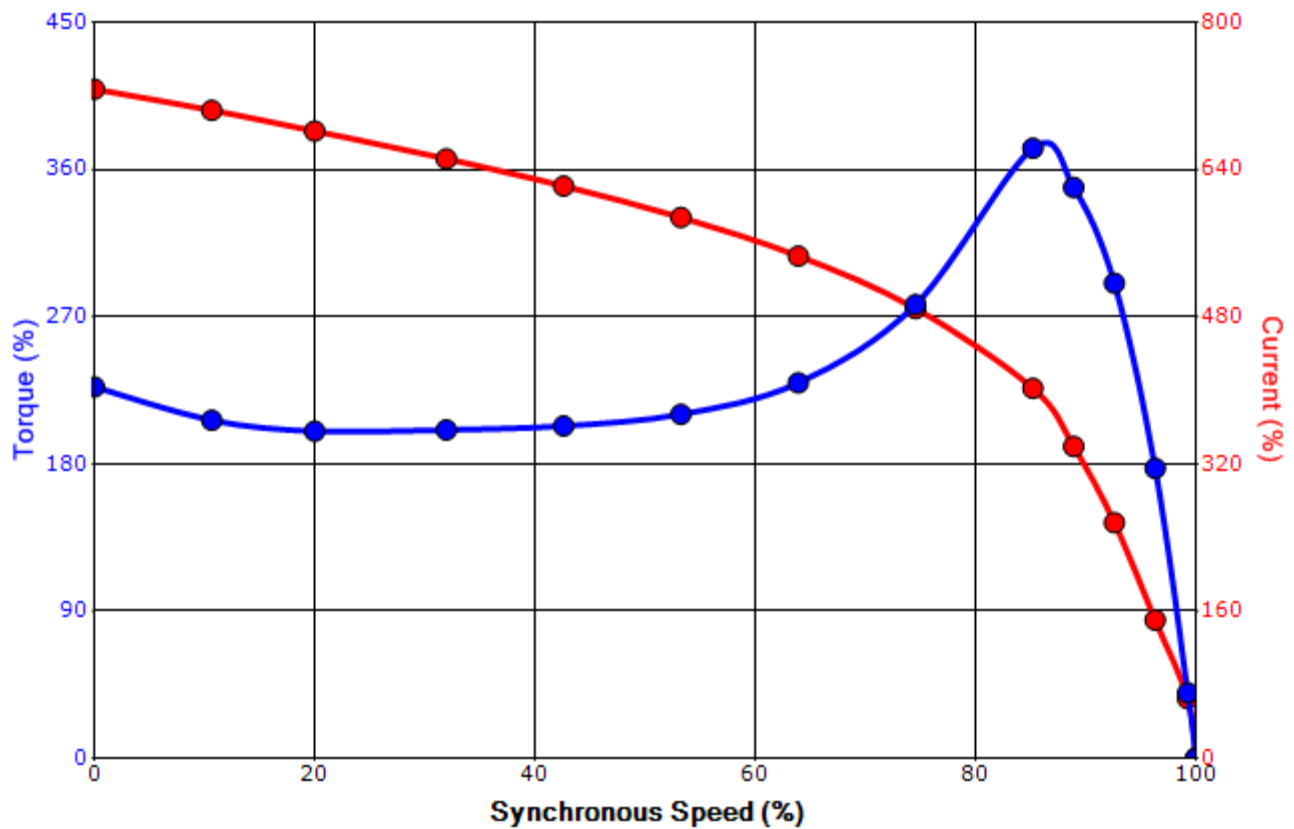
Engineering	pdivecha	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	5/1/2014	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

**SPEED TORQUE/CURRENT CURVE**

Model: 0036XPEA41A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
3	2.2	6	1170	213T	230/460	60	3	8.80/4.40
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	56	F	1.15	CONT	89.5	B	K	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 (%)				
32.00	1.03	13.5	225	205			370	

**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.

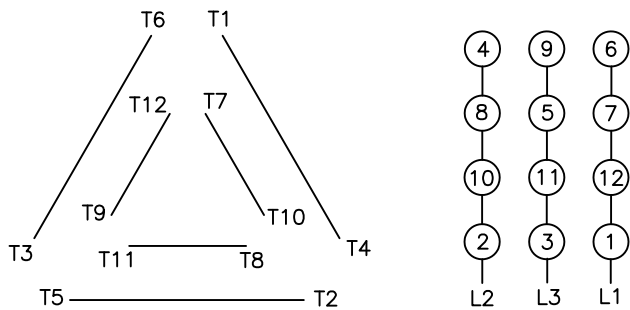
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Engineering	pdivecha	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0
Engr. Date	5/1/2014	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

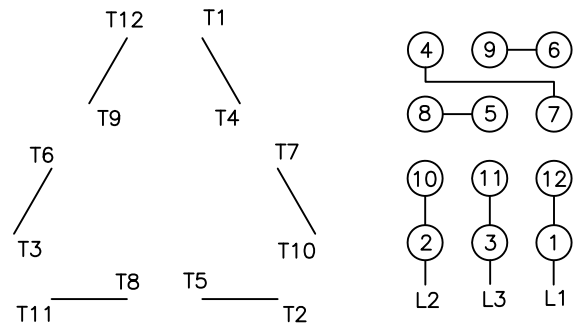
**Motor Connection Diagrams**  
12 Leads

Across-the-Line Starting / Running Connections

Low Voltage Delta



High Voltage Delta



Switch L1 and L2 to reverse rotation

Suitable for Wye-Delta Starting and Limited Part-Winding-Starting.  
Please Contact Toshiba International for specific connections.