

- 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)
- 0.188" x 0.188" x 1.38"

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.

### 140TC TEXP FRAME F1 C-FLANGE ASSEMBLY

MDSL802-01

# TOSHIBA

TOSHIBA INTERNATIONAL CORPORATION

**TOLERANCES**

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

**MAXIMUM MOTOR WEIGHT**

77 lbs.  
35 kgs.

NO	REVISION	DRAWN BY	DATE	CHECK
0	FIRST ISSUE (OVERRIDE D, R, & S DIMS.)	MO	03/14/14	JR



DRAWN BY: M. O'DOWD  
 CHECK BY: J. RUSSELL  
 APPROVED BY: \_\_\_\_\_  
[www.toshiba.com/ind](http://www.toshiba.com/ind)



Issued Date	9/24/2019	Transmit #	
Issued By	dschoeck	Issued Rev	

### TYPICAL MOTOR PERFORMANCE DATA

Model: 0014XPEA42A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
1	0.75	4	1760	143TC	230/460	60	3	3.4/1.7
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	56	F	1.15	CONT	85.5	B	N	40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	1	0.7	1.7	85.5	69.5
¾ Load	0.75	0.6	1.4	83.7	61.4
½ Load	0.50	0.4	1.2	79.1	48.8
¼ Load	0.25	0.2	1.1	66.5	29.9
No Load			1.0		8.7
Locked Rotor			15		67.8

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)	
2.98	340	295	490	0.11

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
35	31	-	6305ZZC3	6305ZZC3	75

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

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

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values.

**TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.**

Engineering	jhock	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 1
Engr. Date	6/18/2014	Doc. Approved By	M. Campbell	Doc. Issued	9/20/2019



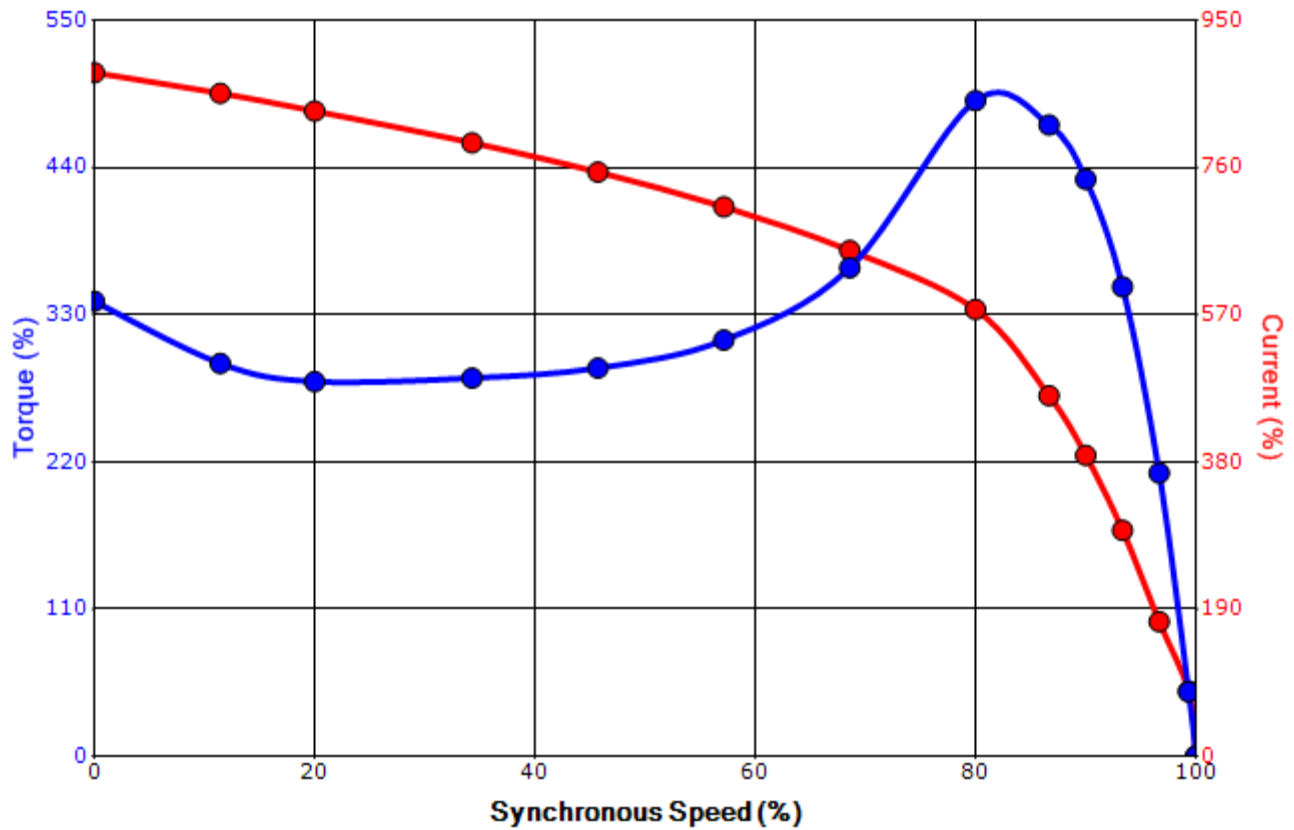
Issued Date	9/24/2019	Transmit #	
Issued By	dschoeck	Issued Rev	

### SPEED TORQUE/CURRENT CURVE

Model: 0014XPEA42A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
1	0.75	4	1760	143TC	230/460	60	3	3.4/1.7
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	56	F	1.15	CONT	85.5	B	N	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 (%)					
15	0.11	2.98	340		295	490		

### 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.

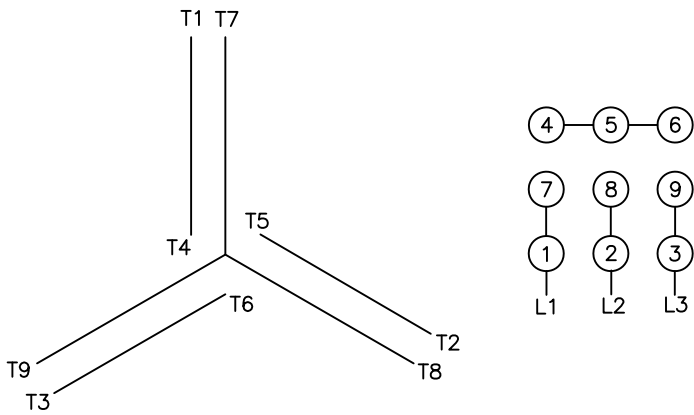
### TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.

Engineering	jhock	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121/1
Engr. Date	6/18/2014	Doc. Approved By	M. Campbell	Doc. Issued	9/20/2019

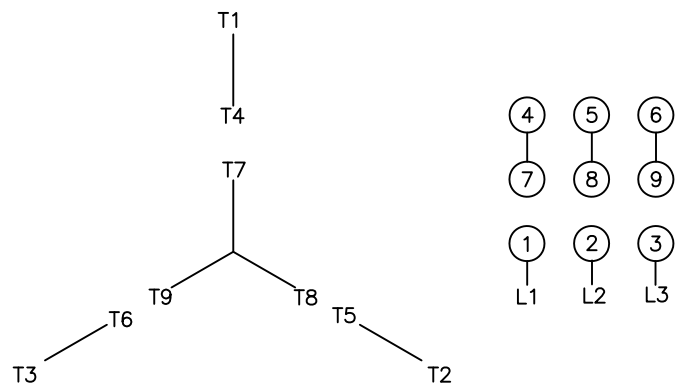
**Motor Connection Diagrams**  
9 Leads

Across-the-Line Starting / Running Connections

Low Voltage Wye



High Voltage Wye



Switch L1 and L2 to reverse rotation