

- 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)
- 0.375" x 0.375" x 1.88"

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.

<b>280TSC TEFC FRAME F1 ASSEMBLY</b>	<b>TOLERANCES</b> .X .1 .XX .03 .XXX .005 .XXXX .0005							
	MDSL086-05	<b>MAXIMUM MOTOR WEIGHT</b> 448 lbs. 203 kgs.						
<b>TOSHIBA</b> TOSHIBA INTERNATIONAL CORPORATION	0	FIRST ISSUE (OVERRIDE 'R' & 'U' DIM. VALUES)	N. MOMIN	12/16/10	JR	DRAWN BY: N. MOMIN CHECK BY: J. RUSSELL APPROVED BY: _____		
	NO	REVISION	DRAWN BY	DATE	CHECK	www.toshiba.com/ind		

**TYPICAL MOTOR PERFORMANCE DATA**

Model: 0252XDSC42B-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
25	18.5	2	3540	284TSC	575	60	3	23
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	56	F	1.15	CONT	91.7	B	G	40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	25	18.6	23.0	91.8	89.2
¾ Load	18.75	14.0	17.8	91.0	87.5
½ Load	12.50	9.3	12.9	88.8	82.5
¼ Load	6.25	4.7	8.7	81.8	65.3
No Load			5.9		9.9
Locked Rotor			144.00		38.4

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> )
37.1	205	175	255	3.09

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
35	15	-	6310C3	6310C3	

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

**Motor Options:**  
Product Family:EQP Global 841 CFace Footed  
Mounting:C-Face Footed,Shaft:TS Shaft

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values.

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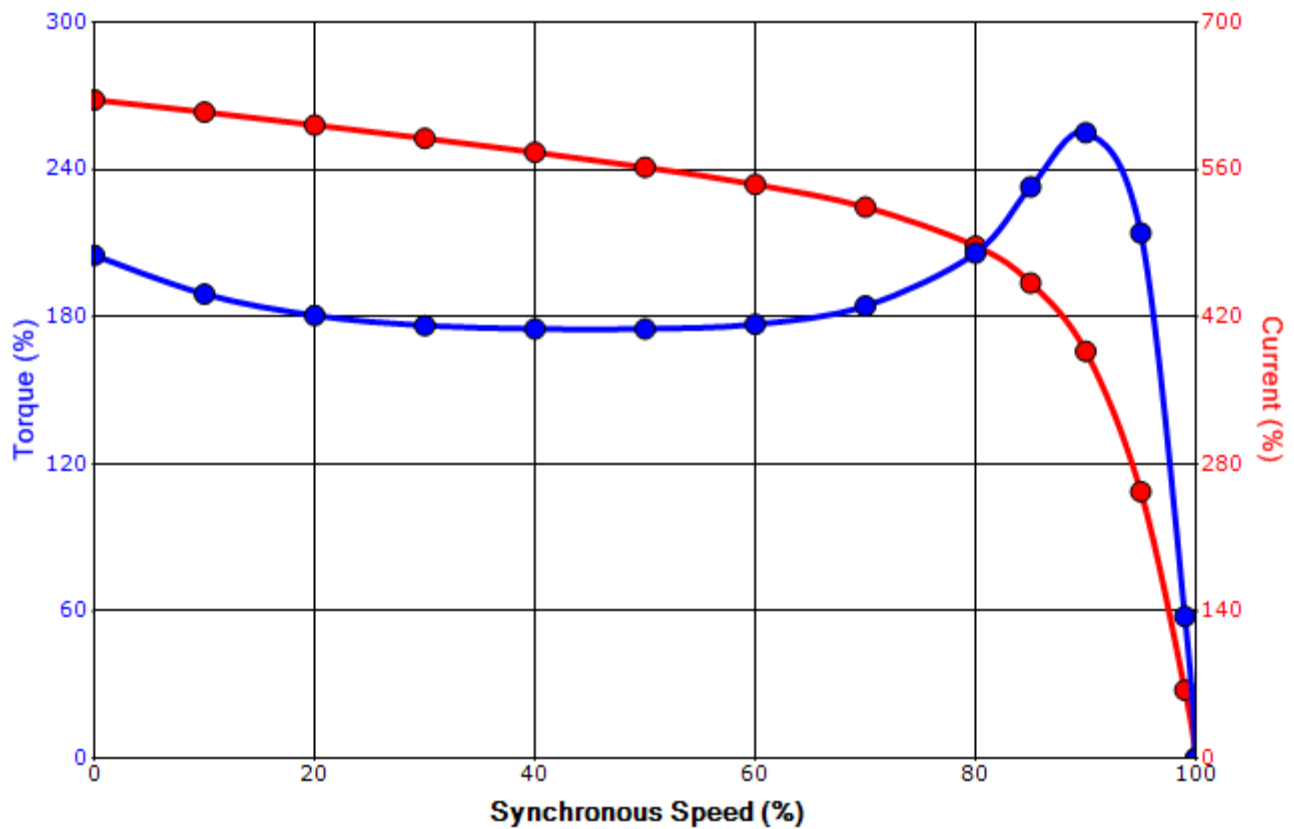
Engineering	garce	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	8/21/2015	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

**SPEED TORQUE/CURRENT CURVE**

Model: 0252XDSC42B-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
25	18.5	2	3540	284TSC	575	60	3	23
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	56	F	1.15	CONT	91.7	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 (%)				
144.00	3.09	37.1	205	175			255	

**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	-

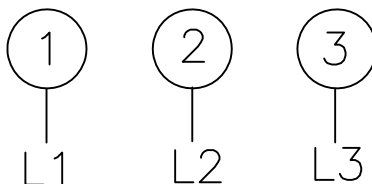
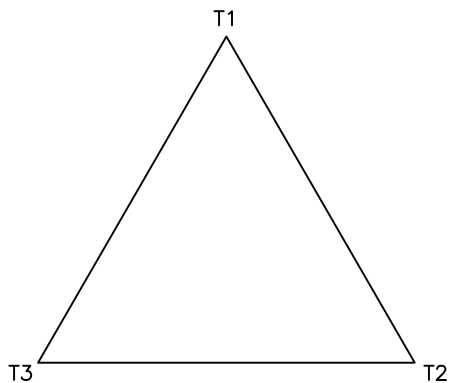
Tag:

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.