


UNITS: INCHES

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"

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.

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



**EQP Global 841
XT SERIES**

DRAWN BY:	N. MOMIN
CHECK BY:	J. RUSSELL
APPROVED BY:	

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TYPICAL MOTOR PERFORMANCE DATA

Model: 0302XDSC42B-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
30	22	2	3540	286TSC	575	60	3	28
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	30	22.4	28.0	91.9	88.7
¾ Load	22.50	16.8	21.5	91.1	86.6
½ Load	15.00	11.2	15.7	89.0	80.8
¼ Load	7.50	5.6	10.9	80.8	63.3
No Load			7.7		10.6
Locked Rotor			173.00		38.7

Torque				Rotor wk ²
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	Inertia (lb-ft ²)
44.5	220	195	270	3.58

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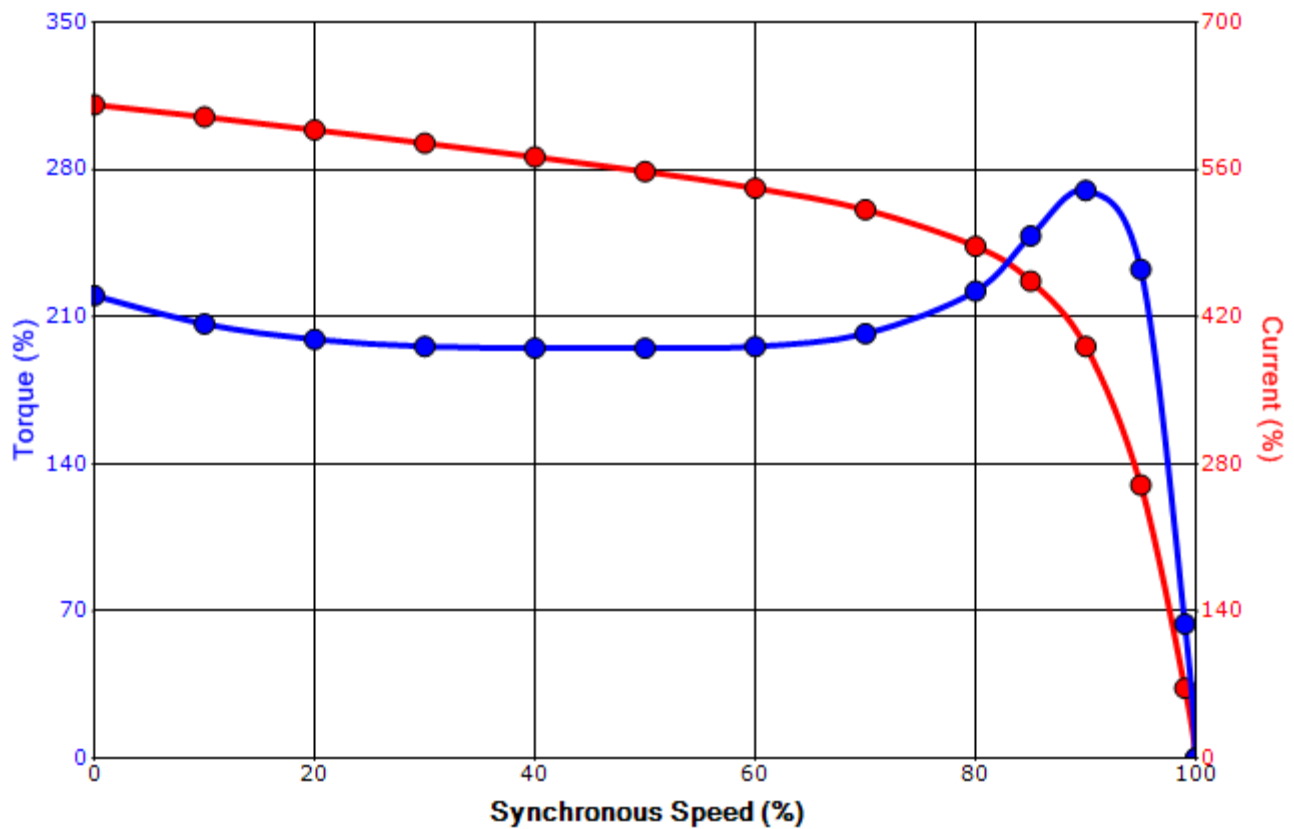
Engineering	garce	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	8/21/2015	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

SPEED TORQUE/CURRENT CURVE

Model: 0302XDSC42B-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
30	22	2	3540	286TSC	575	60	3	28
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 ² Inertia (lb-ft ²)	Torque						Break Down (%)
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)				
173.00	3.58	44.5	220	195			270	

Design Values



Customer		wk ² Load Inertia (lb-ft ²)	-
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.