

TECHNICAL INFORMATION

1. BEARING LUBRICATION DE: MOBIL POLYREX EM
ODE: MOBIL POLYREX EM
2. BEARING TYPE DE: 6326C3
ODE: 6326C3 INSULATED
3. WINDING TEMP. DETECTORS
NUMBER AND TYPE: 6xRTD(Pt0°C-100ohm)
LOCATION: IN STATOR SLOT
4. BEARING TEMP. DETECTORS
NUMBER AND TYPE: _____
5. SPACE HEATER 1 PHASE
VOLTS: 120 WATTS: 400
6. ROTATION: CCW VIEWED FROM NON DRIVE END
THIS MOTOR IS BI DIRECTIONAL
7. MOTOR PAINT COLOR: _____
8. APPROX. WEIGHT: 9100 Lbs
9. ACCESORIES: _____

DRAWING LIST

MAIN TERMINAL BOX 130-7532-02		3	GRS FROM SRI JACKING TO INLINE	RWS	1/3/14
		2	UPDATE	MH	8/15/05
AUX TERMINAL BOX FOR					
SPACE HEATER	130-7520-50	1	UPDATE	RW	4/16/03
R.T.D.	130-7522-51				
THERMISTOR	N/A				
		0	FIRST ISSUE	RW	3/25/03
PRODUCTION #	N/A	NO.	REVISION	BY	DATE

**MOTOR OUTLINE FOR
THREE PHASE INDUCTION MOTOR**

CUSTOMER NAME				P.O. NO.	MOTOR TAG NO.	
OUTPUT HP	POLE	VOLTAGE V	FREQUENCY Hz	FULL LOAD SPEED (min⁻¹)	TOSHIBA MODEL NO.	
TYPE	FORM	INS. CLASS	RATING CONT.	FRAME	S.F.	ENCLOSURE
		F		5811/12		TEAAC
TOSHIBA INTERNATIONAL CORPORATION HOUSTON, TEXAS U.S.A.						
3rd ANGLE PROJ.	PREPARED BY:	DATE:	CHECKED BY:	DATE:	DRAWING NO.:	REV.
	R. WILKINS	03/25/03	M. HO	04/01/03	MDSL 0077-04	3

TYPICAL MOTOR PERFORMANCE DATA

Model: 5008TCAL11E-C

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
500	373	8	884	5812US	4000	60	3	75
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEAAC	44	F	1.15	CONT	93.6	-	G	40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	500	372.9	74.8	93.6	76.9
¾ Load	375.00	279.6	59.9	93.4	72.1
½ Load	250.00	186.4	47.1	92.4	61.7
¼ Load	125.00	93.2	37.8	88.4	40.2
No Load			32.6		3.2
Locked Rotor			430.60		22.7

Torque				Rotor wk ²
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	Inertia (lb-ft ²)
2971	115	75	180	449.31

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
28.9	13.9	-	6326C3	6326C3 INS	

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

Motor Options:
Product Family:TEFC
Mounting:Footed,Shaft:US Shaft

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values.

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

Engineering	bmammen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	8/18/2014	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

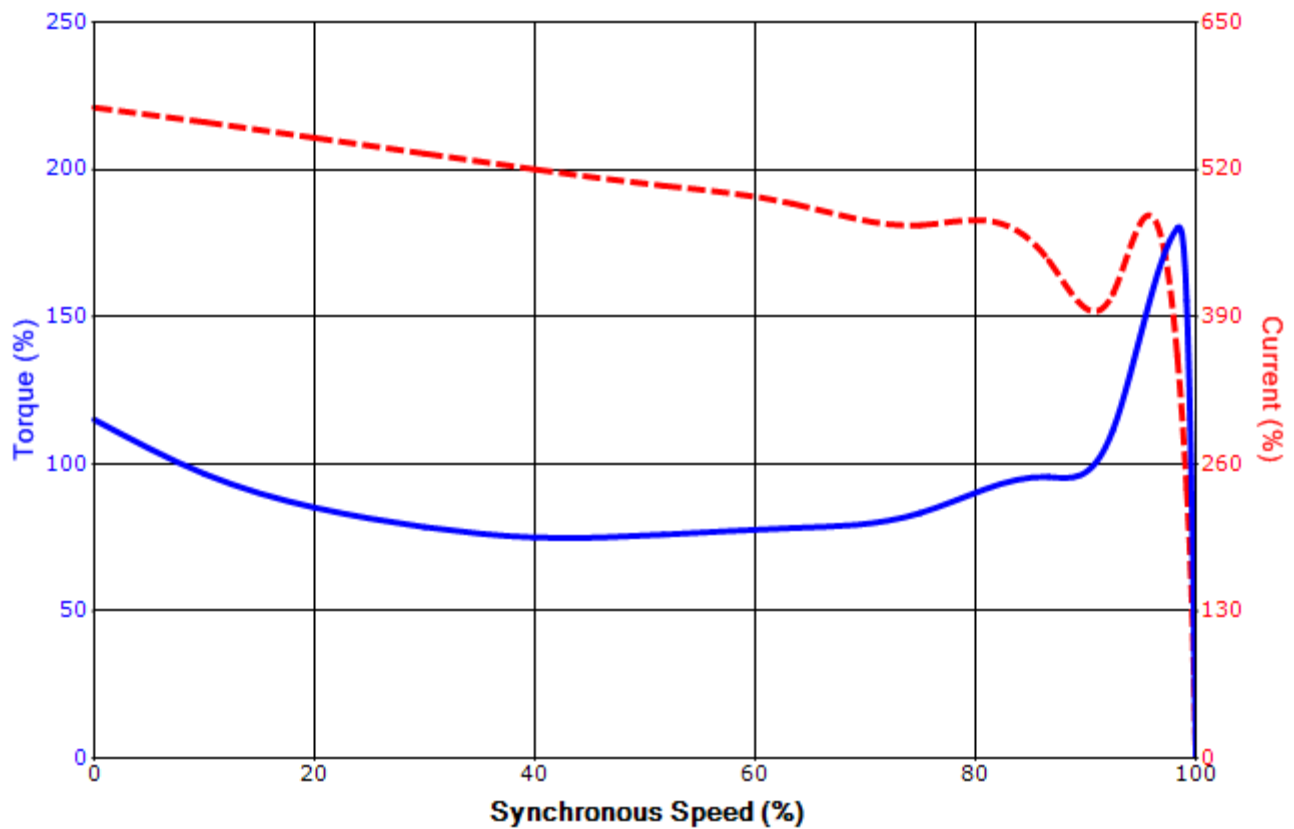
Issued Date	4/23/2015	Transmit #	
Issued By	dschoeck	Issued Rev	

SPEED TORQUE/CURRENT CURVE

Model: 5008TCAL11E-C

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
500	373	8	884	5812US	4000	60	3	75
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEAAC	44	F	1.15	CONT	93.6	-	G	40 C
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque						Break Down (%)
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)				
430.60	449.31	2971	115	75			180	

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.

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

Engineering	bmammen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0
Engr. Date	8/18/2014	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011