

**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**

<b>MAIN TERMINAL BOX</b> 130-7532-02		3	GRS FROM SRI JACKING TO INLINE	RWS	1/3/14
		2	UPDATE	MH	8/15/05
<b>AUX TERMINAL BOX FOR</b>					
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
<b>PRODUCTION #</b>	N/A	<b>NO.</b>	<b>REVISION</b>	<b>BY</b>	<b>DATE</b>

**MOTOR OUTLINE FOR  
THREE PHASE INDUCTION MOTOR**

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

**TYPICAL MOTOR PERFORMANCE DATA**

Model: 450TCAL11E-C

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
450	336	8	884	5812US	4000	60	3	69
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	450	335.6	68.1	93.6	76.0
¾ Load	337.50	251.7	54.8	93.4	70.9
½ Load	225.00	167.8	43.5	92.3	60.3
¼ Load	112.50	83.9	35.3	88.1	38.9
No Load			30.7		3.1
Locked Rotor			384.60		22.1

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)	
2674	115	75	180	380.19

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
29.1	14.5	-	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.**

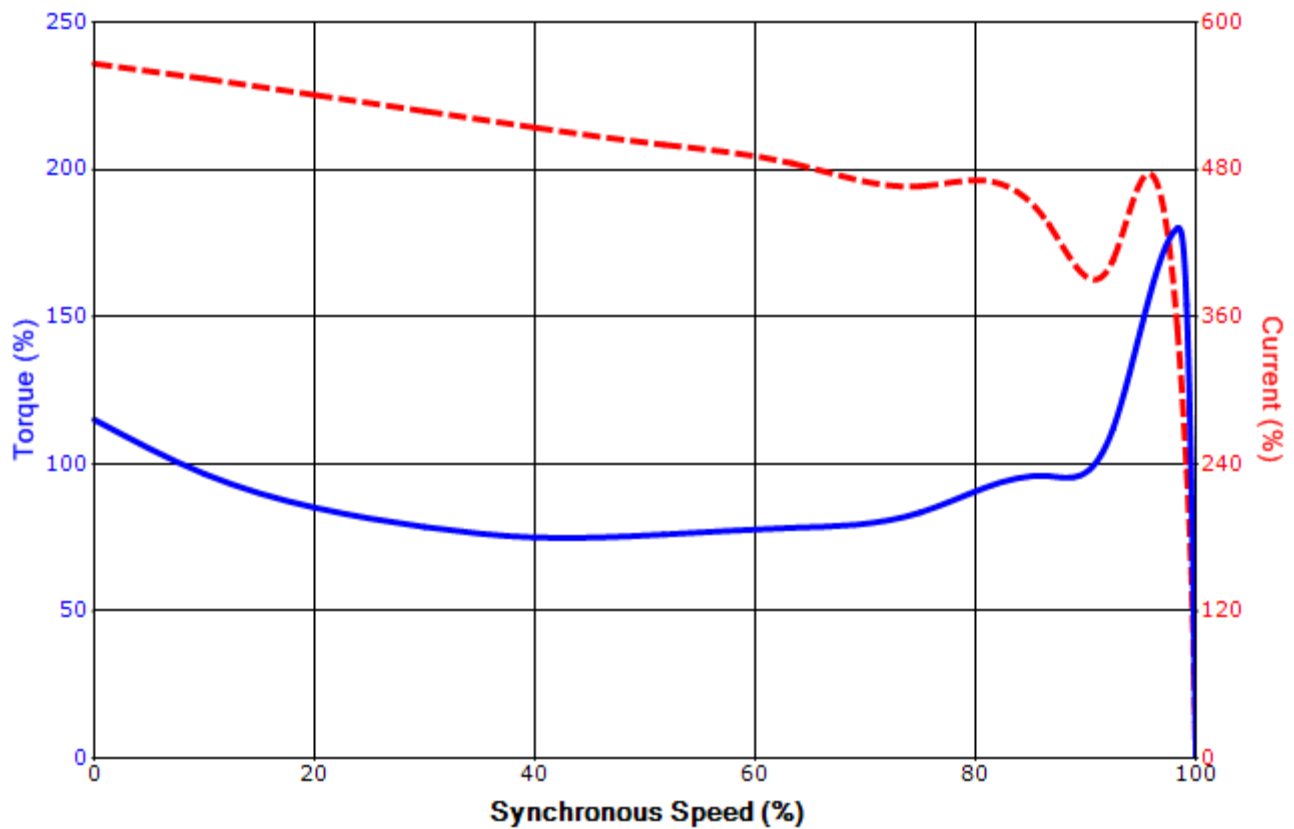
Engineering	bmammen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	8/18/2014	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

**SPEED TORQUE/CURRENT CURVE**

Model: 4508TCAL11E-C

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
450	336	8	884	5812US	4000	60	3	69
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 <sup>2</sup> Inertia (lb-ft <sup>2</sup> )	Torque						Break Down (%)
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)				
384.60	380.19	2674	115	75			180	

**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	bmammen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0
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