

TECHNICAL INFORMATION

1. BEARING LUBRICATION DE: MOBIL POLYREX EM
ODE: MOBIL POLYREX EM
2. BEARING TYPE DE: 6322C3
ODE: 6322C3 INSULATED
3. WINDING TEMP. DETECTORS
NUMBER AND TYPE: 6xRTD(PtO°C-100ohm)
LOCATION: IN STATOR SLOT
4. BEARING TEMP. DETECTORS
NUMBER AND TYPE: _____
5. SPACE HEATER 1 PHASE
VOLTS: 120 WATTS: 200
6. ROTATION: CCW VIEWED FROM NON DRIVE END
THIS MOTOR IS BI DIRECTIONAL
7. MOTOR PAINT COLOR: GRAY
8. APPROX. WEIGHT: 7000 Lbs
9. ACCESSORIES:

UNITS: INCHES

DRAWING LIST		NO.	REVISION	BY	DATE
MAIN TERMINAL BOX 130-7622-55	3	GRS FROM SRI, ADD DOWELS JACKING TO INLINE	RWS	1/6/14	
	2	ADD CI FANCOVER	BCS	4/24/07	
AUX TERMINAL BOX FOR SPACE HEATER 130-7520-50 R.T.D. 130-7522-51 THERMISTOR N/A	1	ADD SH & RTD AUX BOX	BCS	9/13/06	
	0	FIRST ISSUE	BCS	8/2/06	
PRODUCTION #	N/A				

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 F	RATING CONT.	FRAME 5811US	S.F.	ENCLOSURE TEFC
TOSHIBA INTERNATIONAL CORPORATION HOUSTON, TEXAS U.S.A.						
3rd ANGLE PROJ.	PREPARED BY: B SIDLE	DATE: 8/2/06	CHECKED BY: D.LAJINESS	DATE: 8/4/06	DRAWING NO.: MDSL0071-18	REV. 3

TYPICAL MOTOR PERFORMANCE DATA

Model: 6004FTAL11E-C

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
600	447	4	1785	5811US	4000	60	3	79
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	44	F	1.15	CONT	94.5	-	F	40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	600	447.4	78.4	94.8	86.9
¾ Load	450.00	335.6	60.4	94.0	85.2
½ Load	300.00	223.7	43.8	92.1	80.0
¼ Load	150.00	111.9	29.5	86.4	63.2
No Load			22.7		6.9
Locked Rotor			477.00		28.8

Torque				Rotor wk ²
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	Inertia (lb-ft ²)
1765	170	115	265	356.92

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
24	13	-	6322C3 INS	NU328C3	

*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.

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Engineering	mccampbell	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	3/7/2013	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

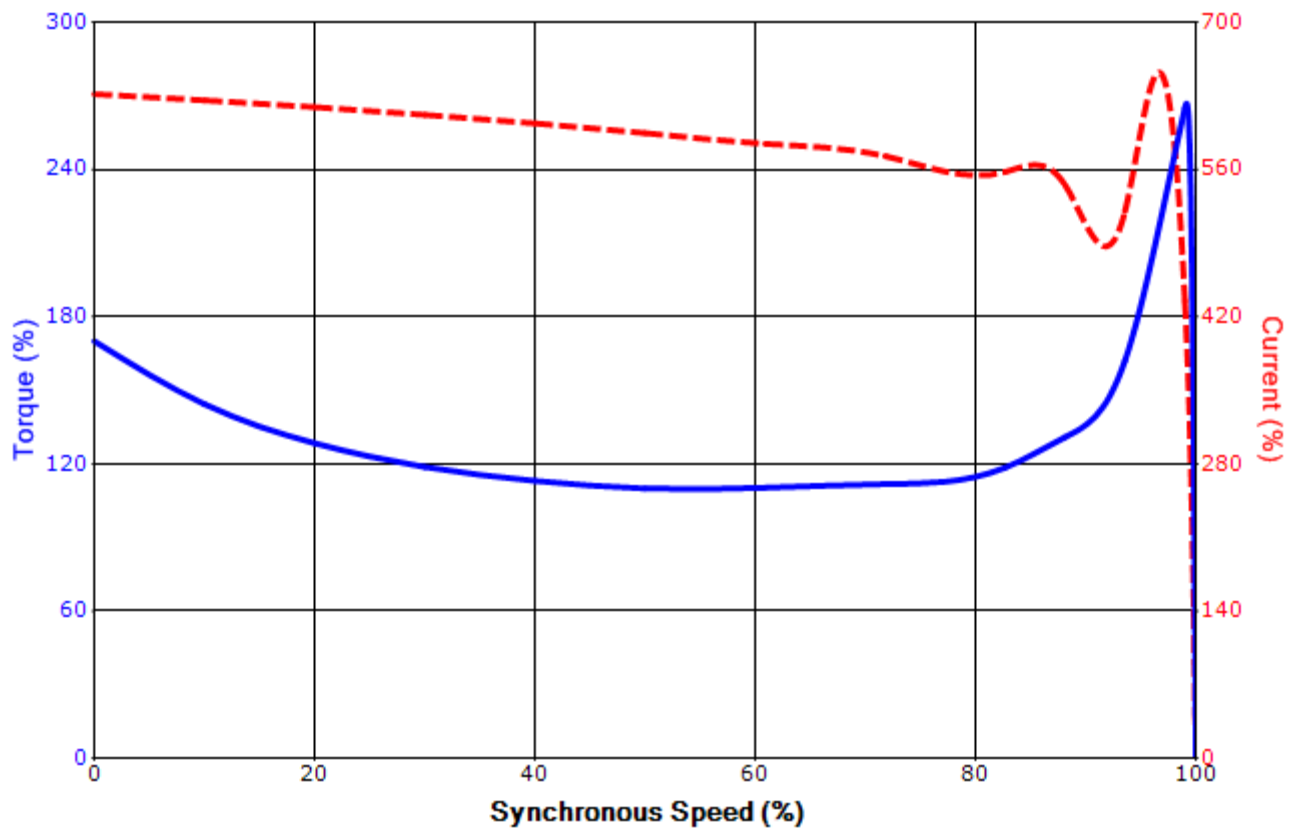
Issued Date	4/23/2015	Transmit #	
Issued By	dschoeck	Issued Rev	

SPEED TORQUE/CURRENT CURVE

Model: 6004FTAL11E-C

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
600	447	4	1785	5811US	4000	60	3	79
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	44	F	1.15	CONT	94.5	-	F	40 C
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque						Break Down (%)
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)				
477.00	356.92	1765	170	115			265	

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	mcampbell	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0
Engr. Date	3/7/2013	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

Motor Connection Diagrams
6 Leads

Across the Line Starting / Run - Delta:



Alternate Starting Connection - Wye:



Switch L1 and L2 to reverse rotation