

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
AUX TERMINAL BOX FOR SPACE HEATER	130-7520-50	2	ADD CI FANCOVER	BCS	4/24/07
R.T.D.	130-7522-51	1	ADD SH & RTD AUX BOX	BCS	9/13/06
THERMISTOR	N/A	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: 5006FTAL11E-C

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
500	373	6	1190	5811US	4000	60	3	65
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	44	F	1.15	CONT	94.5	-		40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	500.00	372.9	64	94.8	87.6
¾ Load	375.00	279.6	50	94.4	85.5
½ Load	250.00	186.4	36	93.2	79.2
¼ Load	125.00	93.2	25	88.8	59.7
No Load			19.6		
Locked Rotor			437		23.0

Torque				Rotor wk ² Inertia (lb-ft ²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
2209	125	150	275	373.20

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
53	26	-	6322C3	6322C3 INS	6500

*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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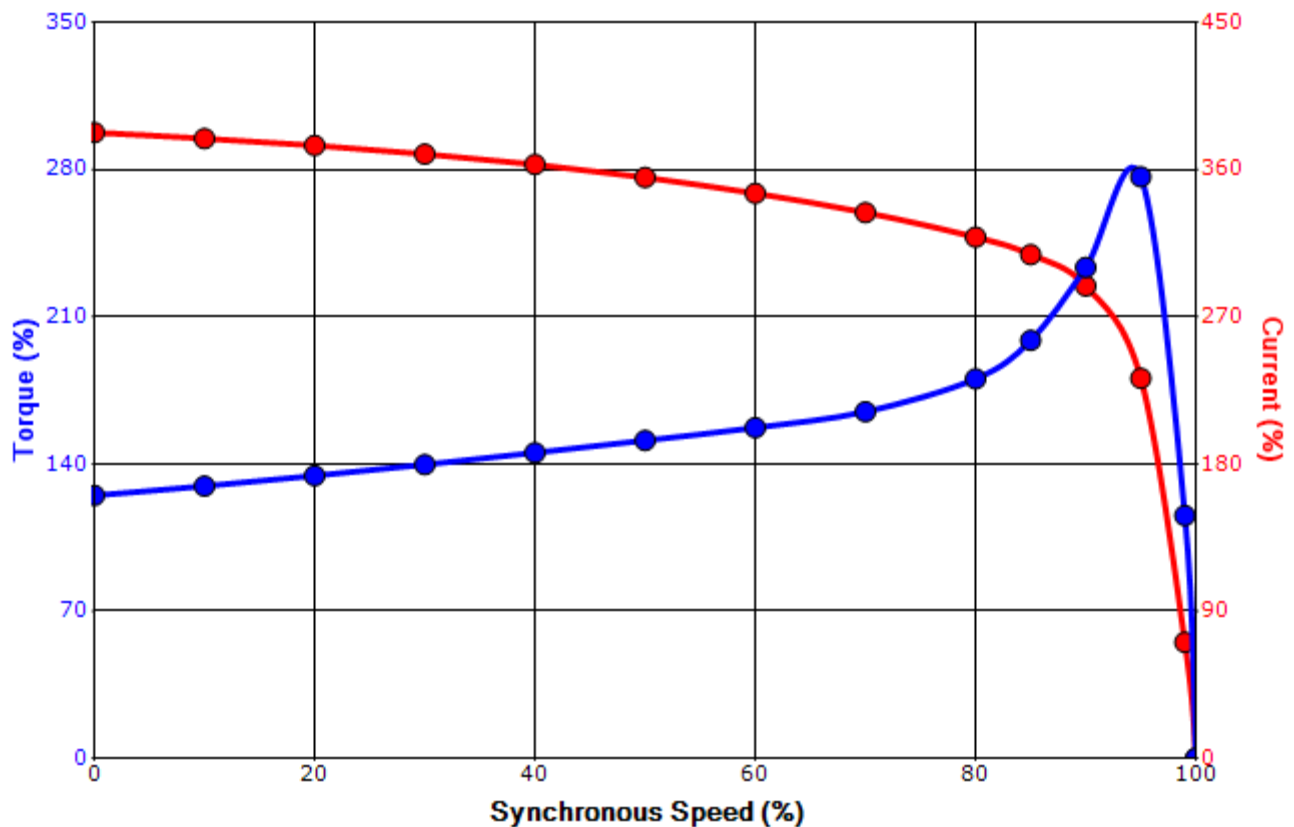
Engineering	bmmamen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	7/9/2014	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

SPEED TORQUE/CURRENT CURVE

Model: 5006FTAL11E-C

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
500	373	6	1190	5811US	4000	60	3	65
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	44	F	1.15	CONT	94.5	-		40 C
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque						Break Down (%)
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)				
437	373.20	2209	125	150			275	

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	bmammen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0
Engr. Date	7/9/2014	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

Motor Connection Diagram

3 Leads - Wye Connection

Single Voltage



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.