

UNITS: INCHES

TECHNICAL INFORMATION

- BEARING LUBRICATION DE: MOBIL POLYREX EM
ODE: MOBIL POLYREX EM
- BEARING TYPE DE: 6313C3
ODE: 6313C3 INSULATED
- WINDING TEMP. DETECTORS
NUMBER AND TYPE: 6xRTD(Pt0°C-100ohm)
LOCATION: IN STATOR SLOT
- BEARING TEMP. DETECTORS
NUMBER AND TYPE: _____
- SPACE HEATER 1 PHASE
VOLTS: 120 WATTS: 240
- ROTATION: CCW VIEWED FROM NON DRIVE END
THIS MOTOR IS UNI DIRECTIONAL
- MOTOR PAINT COLOR: GRAY
- APPROX. WEIGHT: 5000 Lbs
- ACCESSORIES:

DRAWING LIST				
MAIN TERMINAL BOX				
130-7622-55				
AUX TERMINAL BOX FOR				
SPACE HEATER	130-7520-50	2	GRS FROM SRI, ADD DOWELS JACKING TO INLINE	RWS 1/6/13
R.T.D.	130-7522-51	1	CHG FAB. FC FOR C.I. FC	JMP 9/24/08
THERMISTOR	N/A			
		0	FIRST ISSUE	BCS 4/24/07
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	FRAME	S.F.	ENCLOSURE			
		F	CONT.	5011USS		TEFC			
TOSHIBA INTERNATIONAL CORPORATION HOUSTON, TEXAS U.S.A.									
3rd ANGLE PROJ.	PREPARED BY:	DATE:	CHECKED BY:	DATE:	DRAWING NO.:	REV.			
⊙	B SIDLE	4/24/07	S Johnson	4/26/07	MDSL0071-14	2			

TYPICAL MOTOR PERFORMANCE DATA

Model: 4003FTAL11F-A

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
400	298	2	3575	5011USS	4000	60	3	53
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	44	F	1.15	CONT	94.3	A	G	40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	400	298.3	52.0	94.3	87.7
¾ Load	300.00	223.7	40.3	93.4	85.8
½ Load	200.00	149.1	29.4	91.2	80.2
¼ Load	100.00	74.6	20.2	85.0	62.7
No Load			12.7		9.6
Locked Rotor			340.00		28.0

Torque				Rotor wk ²
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	Inertia (lb-ft ²)
587	185	145	235	116.81

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
11.8	4.9	-	6313C3	6313 INS	

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

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

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values.

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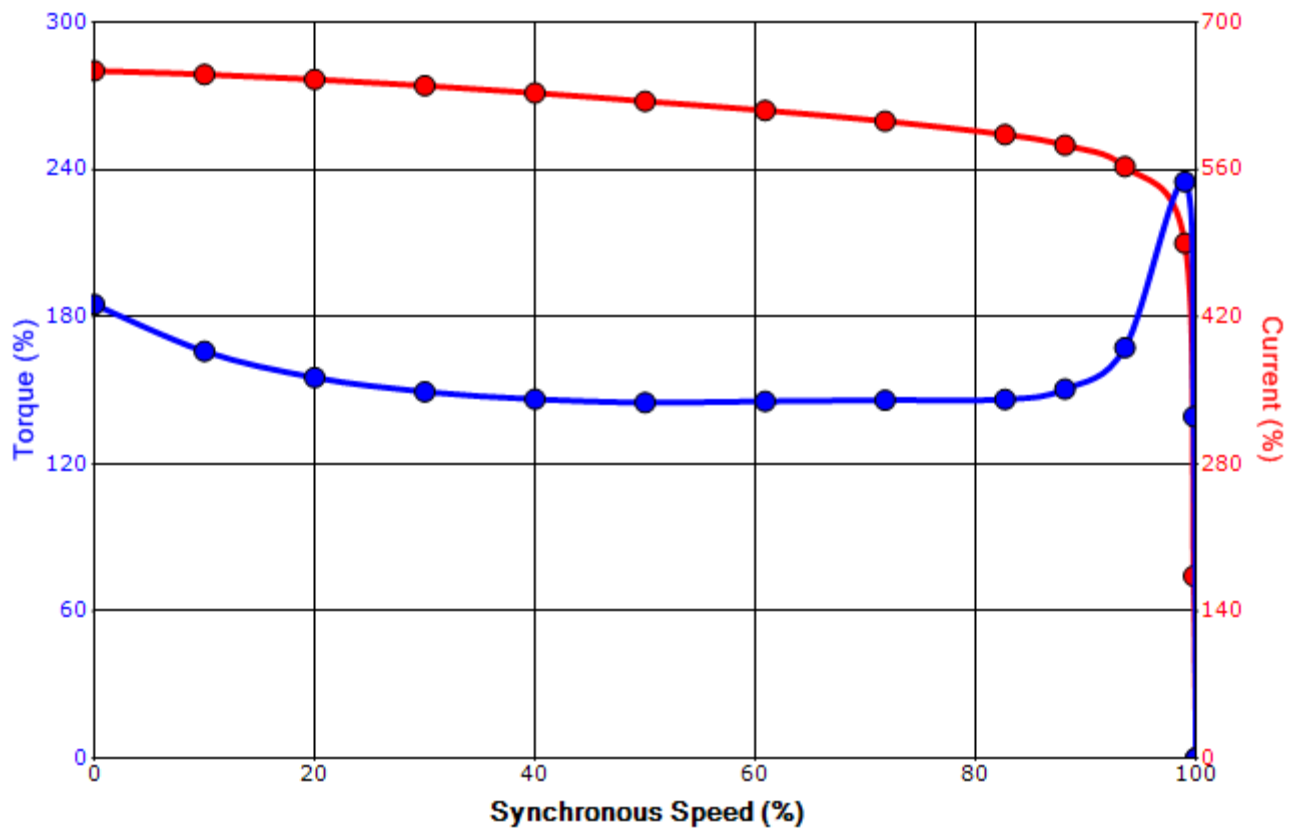
Engineering	bmmamen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	7/8/2014	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

SPEED TORQUE/CURRENT CURVE

Model: 4003FTAL11F-A

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
400	298	2	3575	5011USS	4000	60	3	53
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	44	F	1.15	CONT	94.3	A	G	40 C
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque						Break Down (%)
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)				
340.00	116.81	587	185	145			235	

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	7/8/2014	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