

TECHNICAL INFORMATION

1. BEARING LUBRICATION DE: MOBIL POLYREX EM
ODE: MOBIL POLYREX EM
2. BEARING TYPE DE: 6321C3
ODE: 6321C3 (INSULATED)
3. WINDING TEMP. DETECTORS
NUMBER AND TYPE: 6xRTD(Pt0°C-100ohm)
LOCATION: IN STATOR SLOT
4. BEARING TEMP. DETECTORS
NUMBER AND TYPE: N/A
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: GRAY
8. APPROX. WEIGHT: 5000 Lbs.
9. ACCESORIES:

DRAWING LIST		NO.	REVISION	BY	DATE
MAIN TERMINAL BOX 130-7622-55					
AUX TERMINAL BOX FOR SPACE HEATER	130-7520-50	2	CHANGE AUX BOX DIM FROM 12.3	HL	3/16/20
R.T.D.	130-7522-51	1	GRS FROM SRI	RWS	1/2/14
THERMISTOR	-				
PRODUCTION #	-	0	FIRST ISSUE	MH	012904
UNITS:	INCHES				

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 5011/12US	S.F. ENCLOSURE WP-II
TOSHIBA INTERNATIONAL CORPORATION HOUSTON, TEXAS U.S.A.					
3rd ANGLE PROJ.	PREPARED BY: M.HO	DATE: 012904	CHECKED BY: D. HENSLEY	DATE: 012904	DRAWING NO.: MDSL0087-06
					REV. 2

TYPICAL MOTOR PERFORMANCE DATA

Model: 4004WTAK11E-A

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
400	298	4	1770	5012US	4000	60	3	54
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
WP-II	24	F	1.15	CONT	93.0	B		40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	400.00	298.3	54	93.1	85.1
¾ Load	300.00	223.7	42	93.1	81.1
½ Load	200.00	149.1	32	92.3	71.6
¼ Load	100.00	74.6	21	89.2	56.4
No Load			17.1		5.7
Locked Rotor			326		26.6

Torque				Rotor wk ² Inertia (lb-ft ²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
1187	150	85	280	140.99

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
26	16		6321C3	6321C3 INS	5000

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

Motor Options:
Product Family:WP-II
Mounting:Footed,Shaft:US Shaft

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values.

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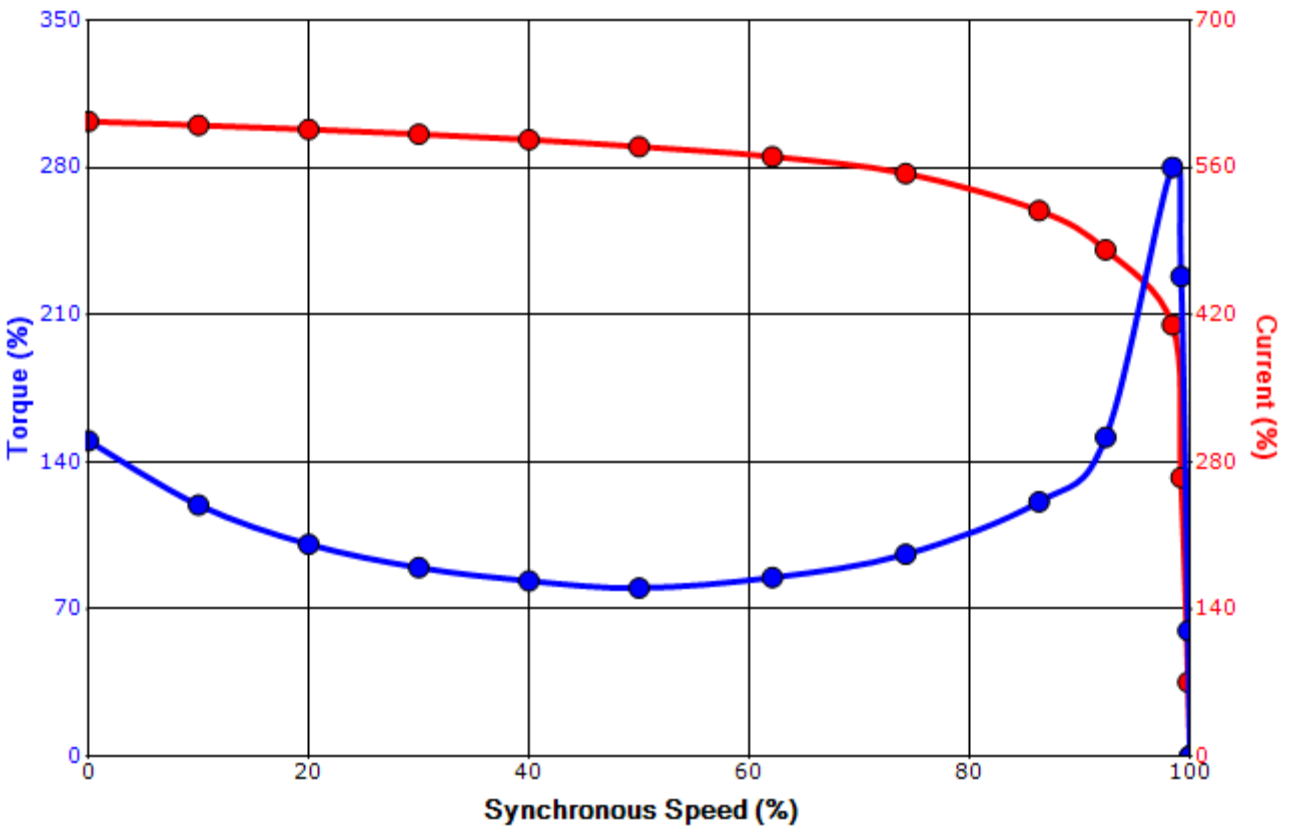
Engineering	bmmamen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	7/14/2014	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

SPEED TORQUE/CURRENT CURVE

Model: 4004WTAK11E-A

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
400	298	4	1770	5012US	4000	60	3	54
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
WP-II	24	F	1.15	CONT	93.0	B		40 C
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque						Break Down (%)
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)				
326	140.99	1187	150	85			280	

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.