

TECHNICAL INFORMATION

- BEARING LUBRICATION DE: Mobil Polyrex EM
ODE: Mobil Polyrex EM
- BEARING TYPE DE: 6315C3
ODE: 6315C3 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: 400
- ROTATION: CCW VIEWED FROM NON DRIVE END
THIS MOTOR IS UNI DIRECTIONAL
- MOTOR PAINT COLOR: _____
- APPROX. WEIGHT: 7300 Lbs
- ACCESSORIES: _____

DRAWING LIST

MAIN TERMINAL BOX 130-7532-02	3	UPDATE	RWS	1/2/14
AUX TERMINAL BOX FOR SPACE HEATER 130-7520-50	2	UPDATE	MH	8/15/05
R.T.D. 130-7522-51	1	UPDATE	RW	4/16/03
THERMISTOR N/A	0	FIRST ISSUE	RW	3/25/03
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 2	VOLTAGE V	FREQUENCY Hz	FULL LOAD SPEED (min ⁻¹)	TOSHIBA MODEL NO.	
TYPE	FORM	INS. CLASS F	RATING CONT.	FRAME 5811/12	S.F.	ENCLOSURE WP-I
TOSHIBA INTERNATIONAL CORPORATION HOUSTON, TEXAS U.S.A.						
3rd ANGLE PROJ.	PREPARED BY: R.WILKINS	DATE: 03/25/03	CHECKED BY: M. HO	DATE: 04/01/03	DRAWING NO.:	REV. 3
					MDSL 0086-01	

TYPICAL MOTOR PERFORMANCE DATA

Model: M403WPAL11F-A

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
2000	1492	2	3570	5812USS	4000	60	3	254
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
WP-I	23	F	1.15	CONT	95.7	-		40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	2000.00	1491.4	253	95.7	88.7
¾ Load	1500.00	1118.6	192	95.7	87.5
½ Load	1000.00	745.7	136	95.2	82.8
¼ Load	500.00	372.9	87	92.8	66.0
No Load			66.3		4.5
Locked Rotor			1469		28.5

Torque				Rotor wk ² Inertia (lb-ft ²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
2943	165	90	210	222.90

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
3	1	-	6315C3	6315C3 INS	0

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

Motor Options:
Product Family:ODP & WP-I
Mounting:Footed,Shaft:USS Shaft

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values.

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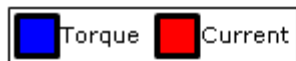
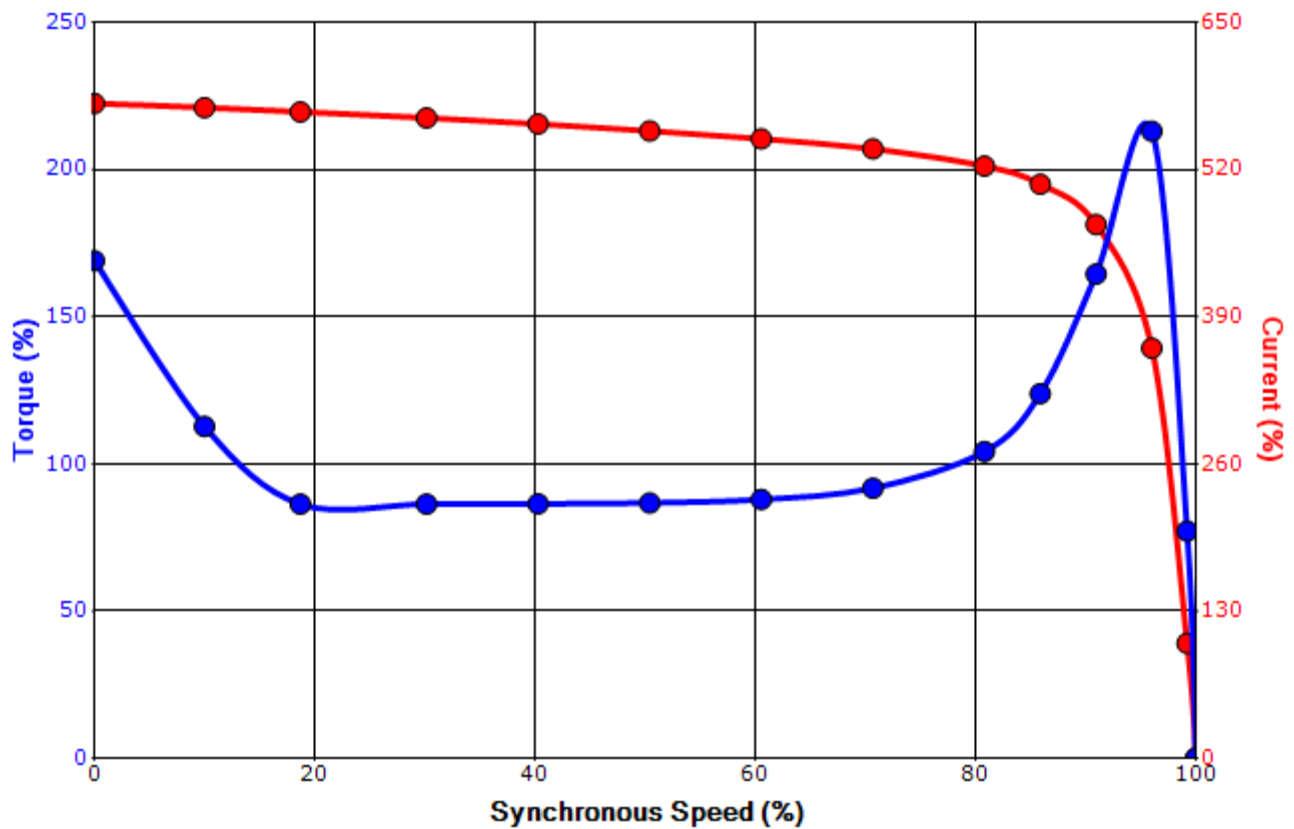
Engineering	bmmamen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	7/24/2014	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

SPEED TORQUE/CURRENT CURVE

Model: M403WPAL11F-A

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
2000	1492	2	3570	5812USS	4000	60	3	254
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
WP-I	23	F	1.15	CONT	95.7	-		40 C
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque						Break Down (%)
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)				
1469	222.90	2943	165	90			210	

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	7/24/2014	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011