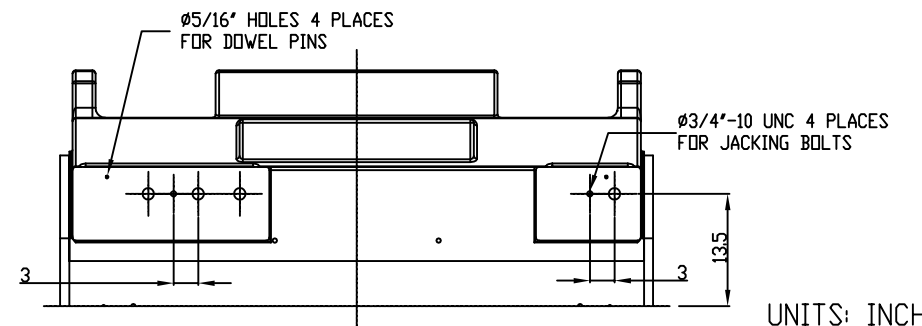
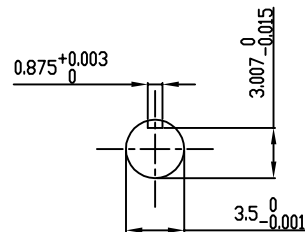


**TECHNICAL INFORMATION**

1. BEARING LUBRICATION DE: TURBINE OIL ISO VG32  
ODE: TURBINE OIL ISO VG32
2. BEARING TYPE DE: M9-90 INS  
ODE: M9-90 INS
3. WINDING TEMP. DETECTORS  
NUMBER AND TYPE: 6xRTD(Pt0°C-100ohm)  
LOCATION: IN STATOR SLOT
4. BEARING TEMP. DETECTORS  
NUMBER AND TYPE: \_\_\_\_\_
5. SPACE HEATER 1 PHASE  
VOLTS: 120 WATTS: 800
6. ROTATION: CCW VIEWED FROM NON DRIVE END  
THIS MOTOR IS UNI DIRECTIONAL
7. MOTOR PAINT COLOR: GRAY
8. APPROX. WEIGHT: 12,500 Lbs
9. ACCESORIES: \_\_\_\_\_

**PRELIMINARY  
FOR QUOTATION ONLY  
DO NOT BUILD  
FROM THIS DRAWING**



UNITS: INCHES

DRAWING LIST		MOTOR OUTLINE FOR THREE PHASE INDUCTION MOTOR										
MAIN TERMINAL BOX 130P-7550-68	3	JACKING TO INLINE	RWS	1/3/14	CUSTOMER NAME		P.O. NO.	MOTOR TAG NO.				
AUX TERMINAL BOX FOR	2	UPDATE INLET WINDOW SIZE & MAIN T-BOX P. No., CHG. SPACE HEATER WATTS FROM 400	JMP	10/12/11	OUTPUT HP	POLE 2	VOLTAGE V	FREQUENCY Hz	FULL LOAD SPEED (min <sup>-1</sup> )	TOSHIBA MODEL NO.		
SPACE HEATER	139-0052-01	1 ADD PROBE PROV. RINGS & ODE BEARING CAP	JMP	04/05/11	TYPE	FORM	INS. CLASS F	RATING CONT.	FRAME 6810USS	S.F.	ENCLOSURE WP-II	
R.T.D.	139-0052-04				TOSHIBA INTERNATIONAL CORPORATION HOUSTON, TEXAS U.S.A.							
THERMISTOR	N/A	0 FIRST ISSUE	JMP	05/20/10								
PRODUCTION #	N/A	NO.	REVISION	BY	DATE	3rd ANGLE PROJ.	PREPARED BY: J.PINON	DATE: 05/20/10	CHECKED BY: B.SIDLE	DATE: 05/20/10	DRAWING NO.: MDSL0087-65	REV.: 3

**TYPICAL MOTOR PERFORMANCE DATA**

Model: M403WTQL11F-CF

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
2000	1492	2	3575	6810USS	4000	60	3	245
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
WP-II	24	F	1.15	CONT	96.3	-	E	40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	2000	1491.4	244.6	96.3	91.4
¾ Load	1500.00	1118.6	187.4	96.1	89.6
½ Load	1000.00	745.7	133.9	95.4	84.3
¼ Load	500.00	372.9	88.2	92.7	65.8
No Load			55.2		4.6
Locked Rotor			1438.50		24.1

Torque				Rotor wk <sup>2</sup> Inertia (lb-ft <sup>2</sup> )
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
2938	130	135	220	241.26

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
20.8	12.6	-	M9-90 INS	M9-90 INS	

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

**Motor Options:**  
Mounting:Footed,Shaft:USS Shaft

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values.

**TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.**

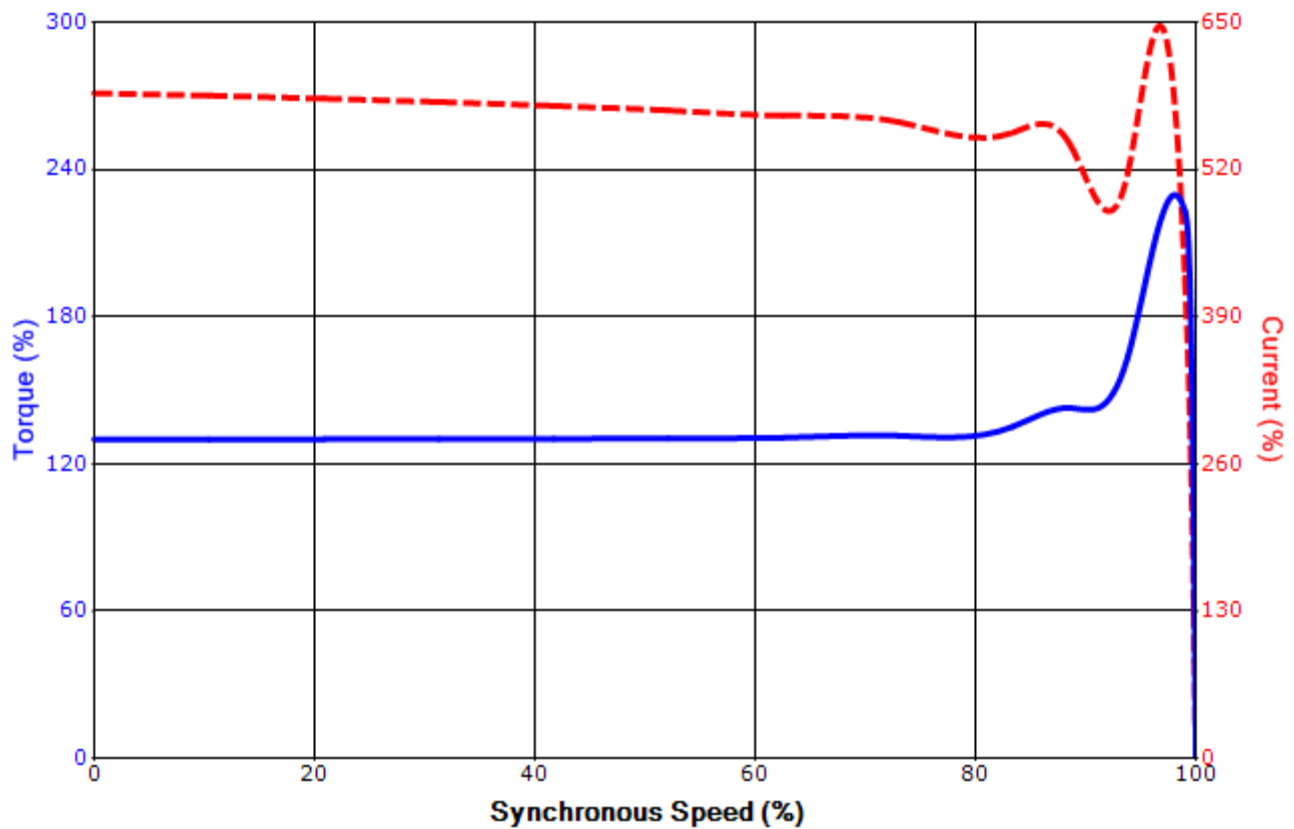
Engineering	bmmamen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	12/3/2014	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

**SPEED TORQUE/CURRENT CURVE**

Model: M403WTQL11F-CF

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
2000	1492	2	3575	6810USS	4000	60	3	245
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
WP-II	24	F	1.15	CONT	96.3	-	E	40 C
Locked Rotor Amps	Rotor wk <sup>2</sup> Inertia (lb-ft <sup>2</sup> )	Torque						Break Down (%)
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)				
1438.50	241.26	2938	130	135			220	

**Design Values**



Customer		wk <sup>2</sup> Load Inertia (lb-ft <sup>2</sup> )	-
Customer PO		Load Type	-
Sales Order		Voltage (%)	100
Project #		Accel. Time	-

Tag:

All characteristics are average expected values.

**TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.**

Engineering	bmammen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0
Engr. Date	12/3/2014	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011