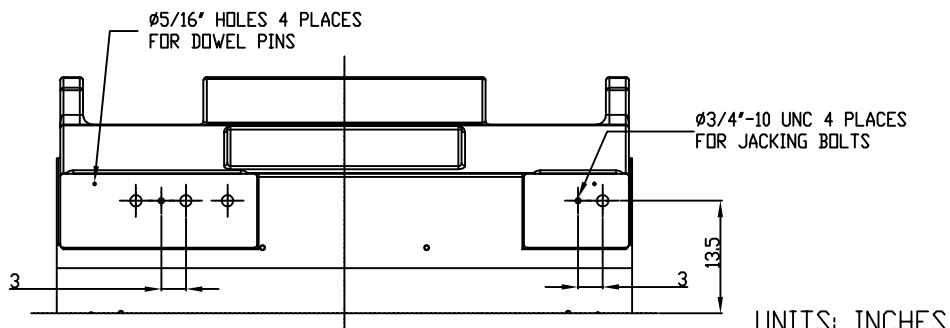
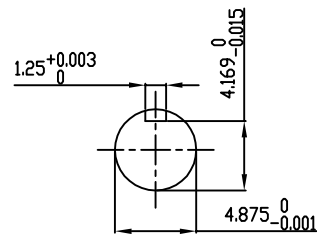


TECHNICAL INFORMATION

1. BEARING LUBRICATION DE: TURBINE OIL ISO VG32
ODE: TURBINE OIL ISO VG32
2. BEARING TYPE DE: M11-125 INS
ODE: M11-125 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: 14,000 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		CUSTOMER NAME		P.O. NO.		MOTOR TAG NO.	
AUX TERMINAL BOX FOR		OUTPUT HP	POLE 4	VOLTAGE V	FREQUENCY Hz	FULL LOAD SPEED (min ⁻¹)	
SPACE HEATER	139-0052-01	TYPE	FORM	INS. CLASS F	RATING CONT.	FRAME 6810US	TOSHIBA MODEL NO. S.F. ENCLOSURE WP-II
R.T.D.	139-0052-04	TOSHIBA INTERNATIONAL CORPORATION HOUSTON, TEXAS U.S.A.					
THERMISTOR	N/A	3rd ANGLE PROJ.	PREPARED BY: B SIDLE	DATE: 11/10/10	CHECKED BY: J.PINON	DATE: 11/10/10	DRAWING NO.: MDSL0087-66
PRODUCTION #	N/A	NO.	REVISION	BY	DATE	REV.	2
		2	JACKING TO INLINE	RWS	1/3/14		
		1	UPDATE INLET WINDOW SIZE & MAIN T-BOX P. No., CHG. SPACE HEATER WATTS FROM 400	JMP	10/12/11		
		0	FIRST ISSUE	BCS	11/10/10		

TYPICAL MOTOR PERFORMANCE DATA

Model: M505WTQL11E-C

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
2500	1865	4	1780	6810US	4000	60	3	309
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	-	F	40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	2500	1864.3	308.8	96.3	90.5
¾ Load	1875.00	1398.2	231.9	96.2	90.4
½ Load	1250.00	932.1	160.7	95.7	87.5
¼ Load	625.00	466.1	97.8	93.5	73.6
No Load			52.6		4.5
Locked Rotor			1865.30		16.3

Torque				Rotor wk ² Inertia (lb-ft ²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
7377	70	80	225	1143.40

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
35	15	-	M11-125 INS	M11-125 INS	

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

Motor Options:
Mounting:Footed,Shaft:US Shaft

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values.

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

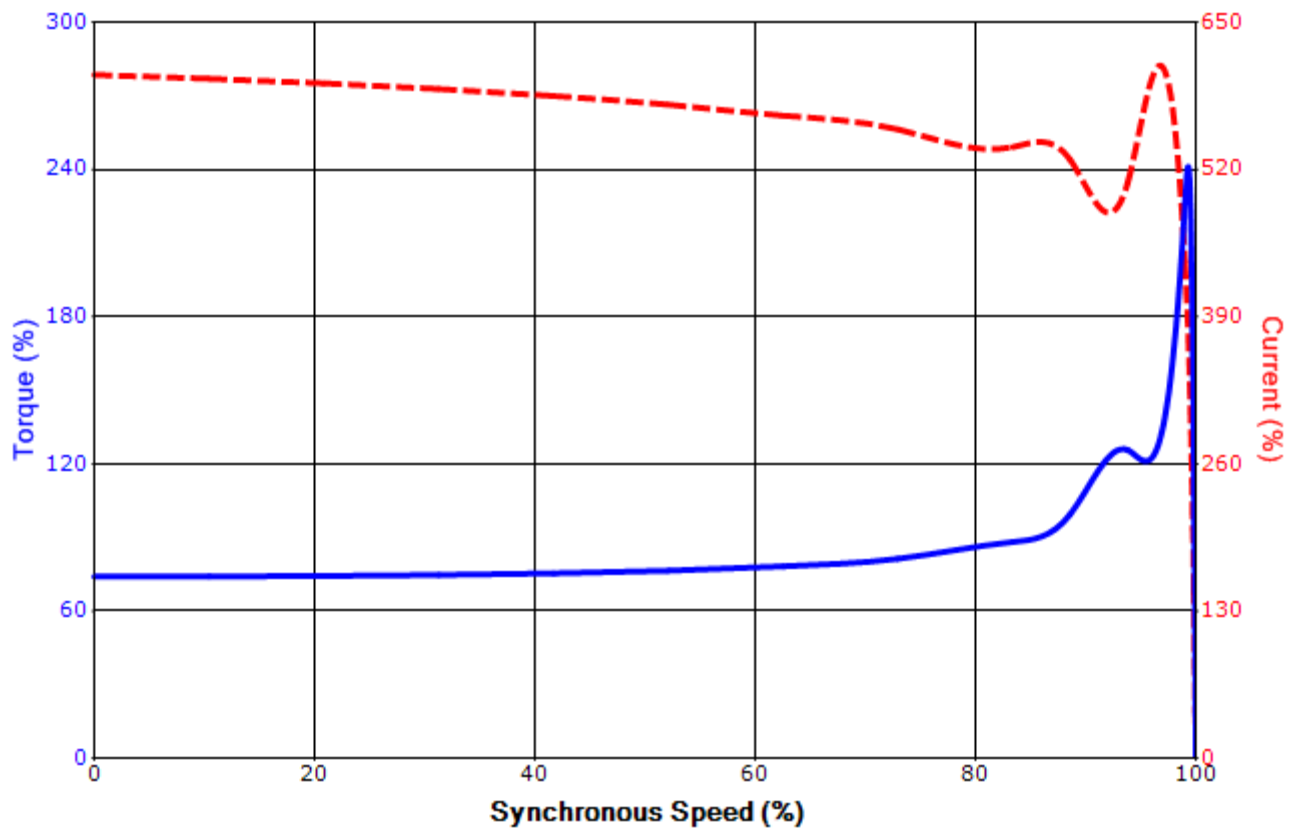
Engineering	bmmamen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	7/10/2014	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

SPEED TORQUE/CURRENT CURVE

Model: M505WTQL11E-C

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
2500	1865	4	1780	6810US	4000	60	3	309
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	-	F	40 C
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque						Break Down (%)
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)				
1865.30	1143.40	7377	70	80			225	

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.

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

Engineering	bmammen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0
Engr. Date	7/10/2014	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011