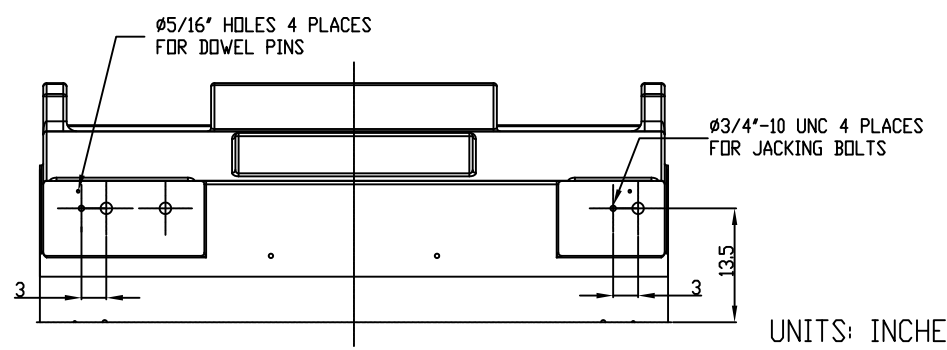
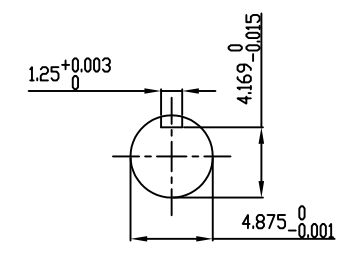


**TECHNICAL INFORMATION**

- 1. BEARING LUBRICATION DE: MOBIL POLYREX EM OR EQUIVALENT  
ODE: MOBIL POLYREX EM OR EQUIVALENT
- 2. BEARING TYPE DE: 6328 INS  
ODE: 6328 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	
MAIN TERMINAL BOX 130P-7550-68	
AUX TERMINAL BOX FOR	
SPACE HEATER	130-7520-50
R.T.D.	130-7522-51
THERMISTOR	N/A
PRODUCTION #	N/A

0	FIRST ISSUE	RC	06/16/14
NO.	REVISION	BY	DATE

MOTOR OUTLINE FOR THREE PHASE INDUCTION MOTOR						
CUSTOMER NAME			P.O. NO.		MOTOR TAG NO.	
OUTPUT HP	POLE 4	VOLTAGE V	FREQUENCY Hz	FULL LOAD SPEED (min <sup>-1</sup> )	TOSHIBA MODEL NO.	
TYPE	FORM	INS. CLASS F	RATING CONT.	FRAME 6813US	S.F.	ENCLOSURE WP-I
TOSHIBA INTERNATIONAL CORPORATION HOUSTON, TEXAS U.S.A.						
3rd ANGLE PROJ.	PREPARED BY: R.CANTU	DATE: 06/16/14	CHECKED BY:	DATE:	DRAWING NO.: MDSL0086-66	REV. 0

**TYPICAL MOTOR PERFORMANCE DATA**

Model: M705WPAL11E-C

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
3500	2611	4	1781	6813US	4000	60	3	432
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
WP-I	23	F	1.15	CONT	96.7	-	F	40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	3500	2610.0	431.4	96.7	90.4
¾ Load	2625.00	1957.5	325.8	96.6	89.7
½ Load	1750.00	1305.0	227.7	96.2	86.0
¼ Load	875.00	652.5	142.4	94.1	70.3
No Load			81.2		3.7
Locked Rotor			2797.90		15.8

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)	
1.032E+04	80	85	240	1349.76

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
34	13	-	6328C3 INS	6328C3 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

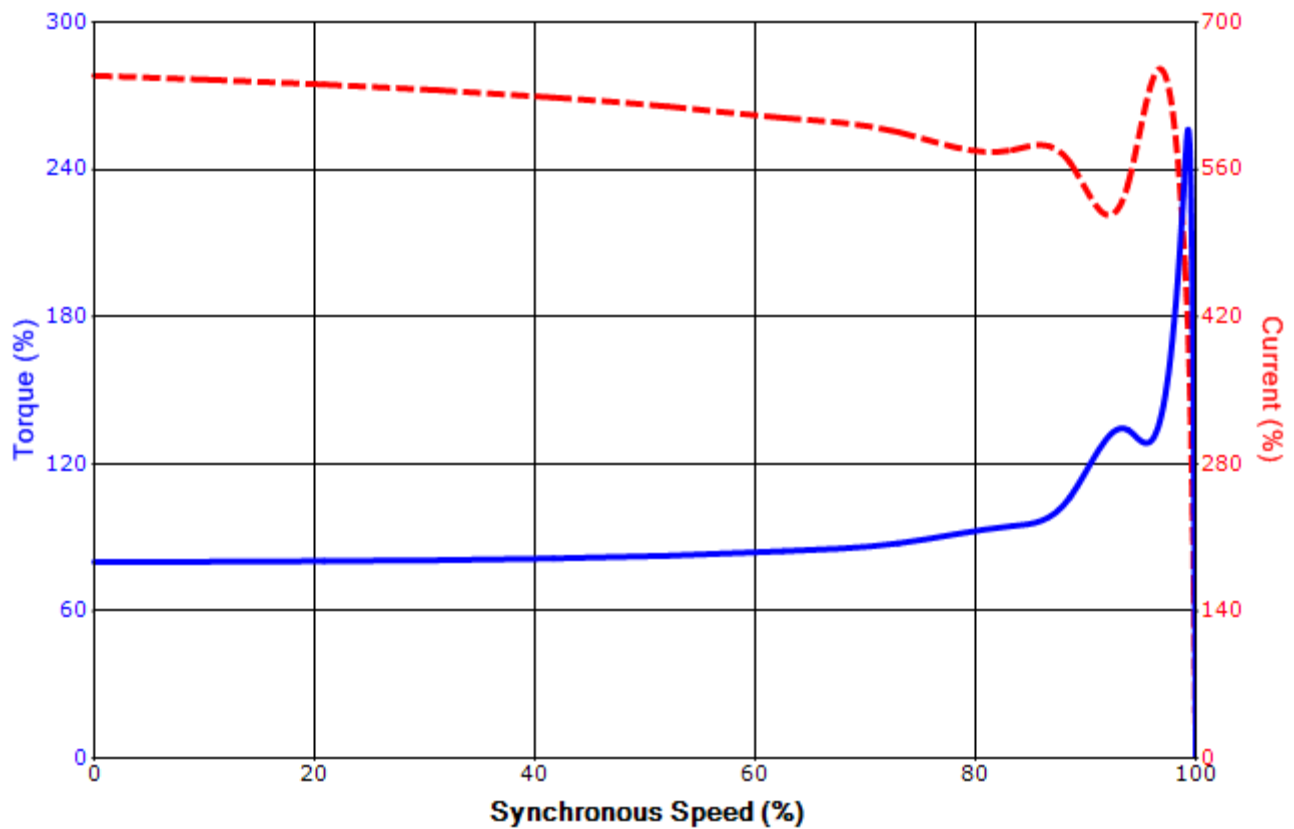
Issued Date	4/23/2015	Transmit #	
Issued By	dschoeck	Issued Rev	

**SPEED TORQUE/CURRENT CURVE**

Model: M705WPAL11E-C

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
3500	2611	4	1781	6813US	4000	60	3	432
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
WP-I	23	F	1.15	CONT	96.7	-	F	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 (%)				
2797.90	1349.76	1.032E+04	80	85			240	

**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	7/10/2014	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011