

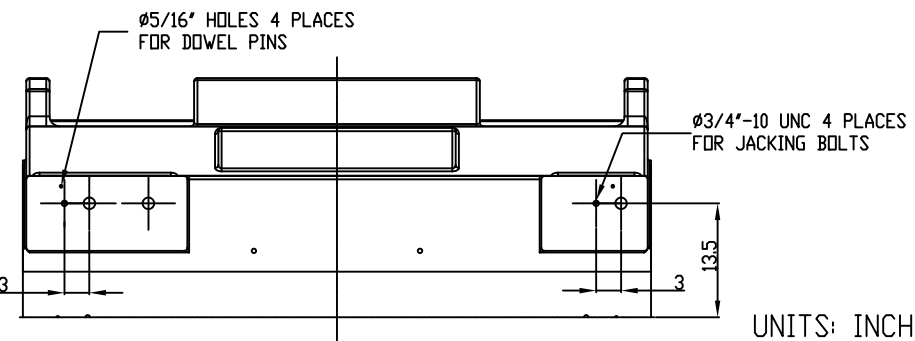
**TECHNICAL INFORMATION**

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**

**DRAWING LIST**

<b>MAIN TERMINAL BOX</b> 130P-7550-68					
<b>AUX TERMINAL BOX FOR</b>					
SPACE HEATER	130-7520-50				
R.T.D.	130-7522-51				
THERMISTOR	N/A				
		0	FIRST ISSUE	RC	06/30/14
<b>PRODUCTION #</b>	N/A	<b>NO.</b>	<b>REVISION</b>	<b>BY</b>	<b>DATE</b>



UNITS: INCHES

**MOTOR OUTLINE FOR  
THREE PHASE INDUCTION MOTOR**

<b>CUSTOMER NAME</b>				<b>P.O. NO.</b>	<b>MOTOR TAG NO.</b>	
<b>OUTPUT HP</b>	<b>POLE</b>	<b>VOLTAGE V</b>	<b>FREQUENCY Hz</b>	<b>FULL LOAD SPEED (min<sup>-1</sup>)</b>	<b>TOSHIBA MODEL NO.</b>	
TYPE	FORM	INS. CLASS	RATING	FRAME	S.F.	ENCLOSURE
		F	CONT.	6813US		WP-I
<b>TOSHIBA INTERNATIONAL CORPORATION</b> HOUSTON, TEXAS U.S.A.						
<b>3rd ANGLE PROJ.</b>	<b>PREPARED BY:</b>	<b>DATE:</b>	<b>CHECKED BY:</b>	<b>DATE:</b>	<b>DRAWING NO.:</b>	<b>REV.</b>
	R.CANTU	06/30/14			MDSL0086-67	0

**TYPICAL MOTOR PERFORMANCE DATA**

Model: M457WPAL11E-C

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
2250	1679	6	1189	6813US	4000	60	3	281
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
WP-I	23			CONT	95.8	-		

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	2250.00	1677.8	280	95.9	90.0
¾ Load	1687.50	1258.4	214	95.7	88.5
½ Load	1125.00	838.9	153	94.8	83.2
¼ Load	562.50	419.5	101	91.5	65.2
No Load			65.3		5.8
Locked Rotor			1960		25.2

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)	
9939	165	170	235	1622.17

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
32	15	-	6328C3 INS	6328C3 INS	

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

**Motor Options:**  
Product Family:ODP & WP-I  
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.**

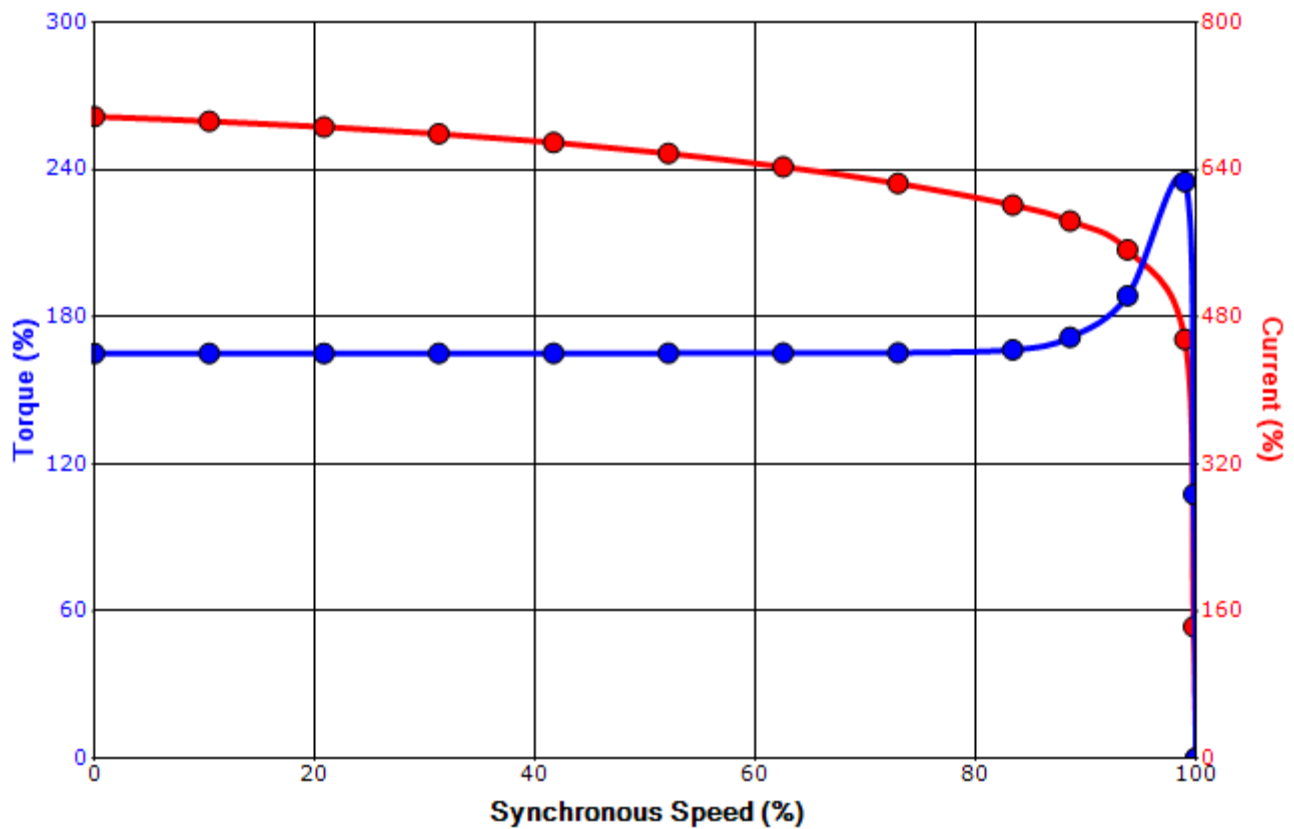
Engineering	zxie	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	5/30/2023	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

**SPEED TORQUE/CURRENT CURVE**

Model: M457WPAL11E-C

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
2250	1679	6	1189	6813US	4000	60	3	281
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
WP-I	23			CONT	95.8	-		
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 (%)				
1960	1622.17	9939	165	170			235	

**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	zxie	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0
Engr. Date	5/30/2023	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011