

TECHNICAL INFORMATION

- BEARING LUBRICATION DE: TURBINE OIL ISO VG32
ODE: TURBINE OIL ISO VG32
- BEARING TYPE DE: M11-125 INS
ODE: M11-125 INS
- 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: 800
- ROTATION: CCW VIEWED FROM NON DRIVE END
THIS MOTOR IS UNI DIRECTIONAL
- MOTOR PAINT COLOR: GRAY
- APPROX. WEIGHT: 14,000 Lbs
- ACCESORIES:

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

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	06/17/14
NO.	REVISION	BY	DATE

MOTOR OUTLINE FOR THREE PHASE INDUCTION MOTOR						
CUSTOMER NAME			P.O. NO.		MOTOR TAG NO.	
OUTPUT HP	POLE 6	VOLTAGE V	FREQUENCY Hz	FULL LOAD SPEED (min ⁻¹)	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: 06/17/14	CHECKED BY:	DATE:	DRAWING NO.: MDSL0086-77	REV. 0

UNITS: INCHES

TYPICAL MOTOR PERFORMANCE DATA

Model: M457WPQL11E-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 ² Inertia (lb-ft ²)
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	-	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.

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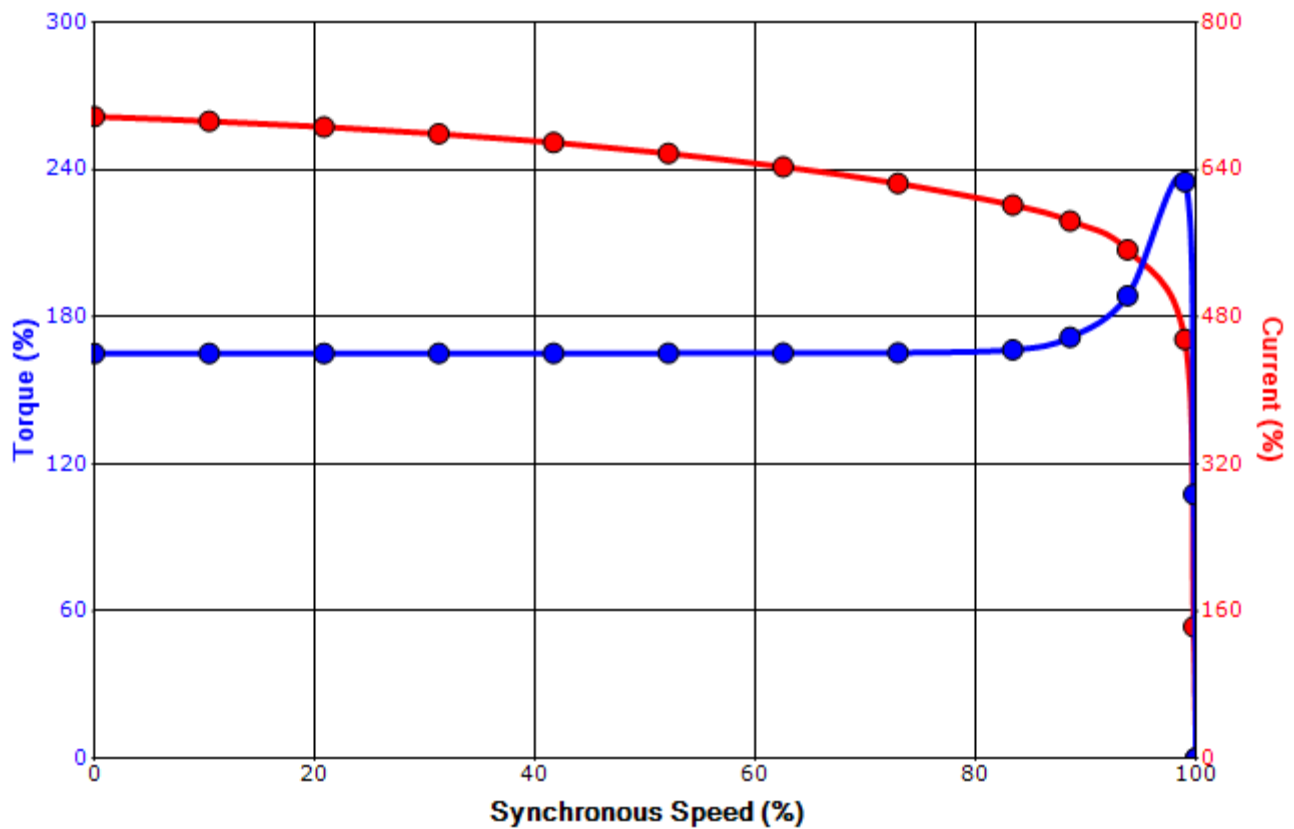
Engineering	zxie	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	5/30/2023	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

SPEED TORQUE/CURRENT CURVE

Model: M457WPQL11E-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 ² Inertia (lb-ft ²)	Torque						Break Down (%)
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)				
1960	1622.17	9939	165	170			235	

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	zxie	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0
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