

UNITS: INCHES

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

TECHNICAL INFORMATION

- BEARING LUBRICATION DE: MOBIL POLYREX EM OR EQUIVALENT
ODE: MOBIL POLYREX EM OR EQUIVALENT
- BEARING TYPE DE: 6328 INS
ODE: 6328 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: _____

DRAWING LIST

MAIN TERMINAL BOX 130P-7550-68	
AUX TERMINAL BOX FOR	
SPACE HEATER	139-0052-01
R.T.D.	139-0052-04
THERMISTOR	N/A
PRODUCTION #	N/A

NO.	REVISION	BY	DATE
2	GRS FROM SRI JACKING TO INLINE	RWS	1/2/14
1	UPDATE INLET WINDOW SIZE & MAIN T-BOX P. No., CHG. SPACE HEATER WATTS FROM 400	JMP	10/12/11
0	FIRST ISSUE	JMP	03/01/11

**MOTOR OUTLINE FOR
THREE PHASE INDUCTION MOTOR**

CUSTOMER NAME				P.O. NO.	MOTOR TAG NO.	
OUTPUT HP	POLE	VOLTAGE V	FREQUENCY Hz	FULL LOAD SPEED (min ⁻¹)	TOSHIBA MODEL NO.	
TYPE	FORM	INS. CLASS	RATING	FRAME	S.F.	ENCLOSURE
	4	F <td>CONT.</td> <td>6813US</td> <td></td> <td>WP-II</td>	CONT.	6813US		WP-II
TOSHIBA INTERNATIONAL CORPORATION HOUSTON, TEXAS U.S.A.						
3rd ANGLE PROJ.	PREPARED BY:	DATE:	CHECKED BY:	DATE:	DRAWING NO.:	REV.
	J.PINON	03/01/11	B.SIDLE	03/01/11	MDSL0087-62	2

TYPICAL MOTOR PERFORMANCE DATA

Model: M605WTAL11E-C

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
3000	2238	4	1781	6813US	4000	60	3	370
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
WP-II	24	F	1.15	CONT	96.6	-	F	40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	3000	2237.1	369.3	96.6	90.6
¾ Load	2250.00	1677.8	278.4	96.5	90.1
½ Load	1500.00	1118.6	193.9	96.0	86.7
¼ Load	750.00	559.3	119.9	93.8	71.8
No Load			66.8		4.1
Locked Rotor			2350.70		15.8

Torque				Rotor wk ² Inertia (lb-ft ²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
8847	75	80	235	1292.25

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
33	14	-	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.

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Engineering	bmmamen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	7/24/2014	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

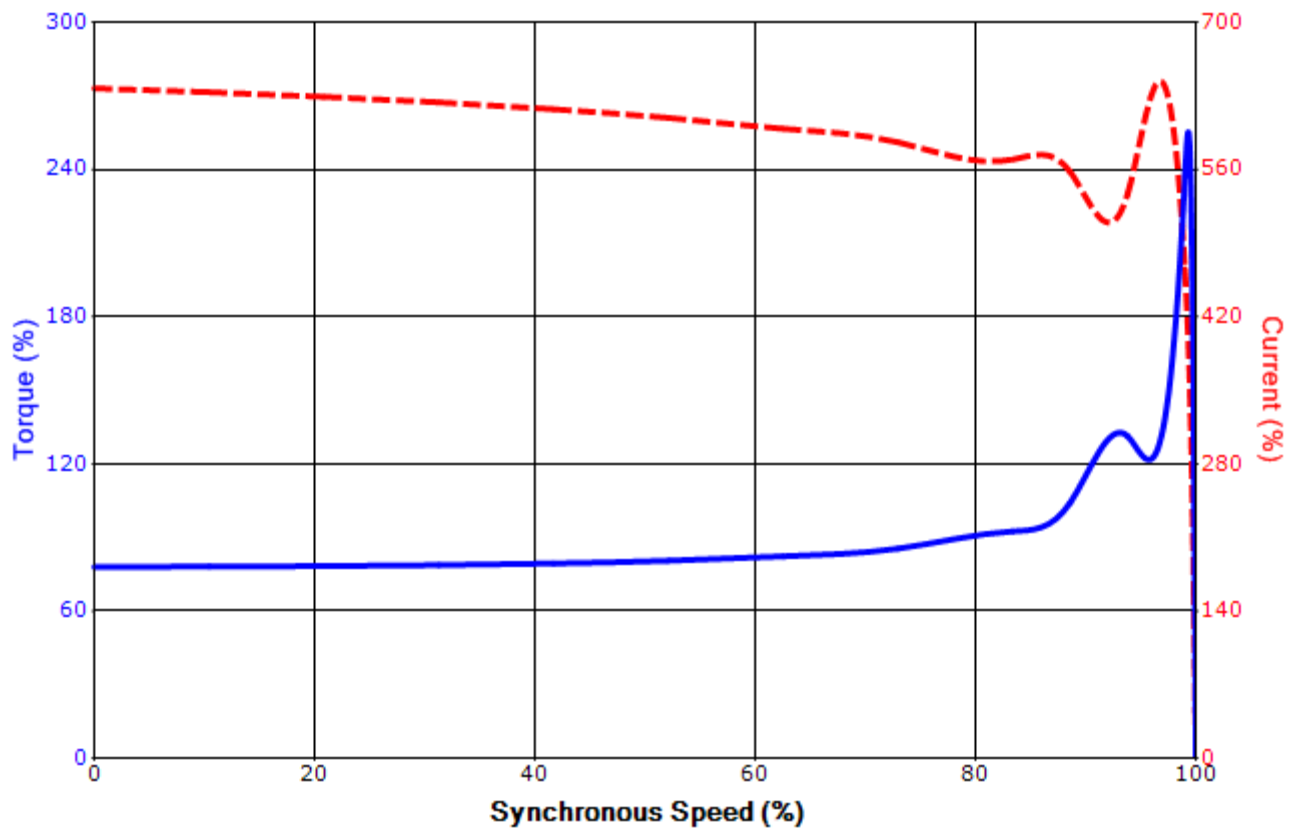
Issued Date	4/23/2015	Transmit #	
Issued By	dschoeck	Issued Rev	

SPEED TORQUE/CURRENT CURVE

Model: M605WTAL11E-C

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
3000	2238	4	1781	6813US	4000	60	3	370
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
WP-II	24	F	1.15	CONT	96.6	-	F	40 C
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque						Break Down (%)
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)				
2350.70	1292.25	8847	75	80			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.

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

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