

TECHNICAL INFORMATION	
1. BEARING LUBRICATION	DE: MOBIL POLYREX EM ODE: MOBIL POLYREX EM
2. BEARING TYPE	DE: 6315C3 ODE: 6315C3 (INSULATED)
3. WINDING TEMP. DETECTORS	NUMBER AND TYPE: 6xRTD(Pt0°C-100ohm) LOCATION: IN STATOR SLOT
4. BEARING TEMP. DETECTORS	NUMBER AND TYPE: N/A
5. SPACE HEATER	1 PHASE VOLTS: 120 WATTS: 400
6. ROTATION:	CCW VIEWED FROM NON DRIVE END THIS MOTOR IS UNI DIRECTIONAL
7. MOTOR PAINT COLOR:	GRAY
8. APPROX. WEIGHT:	5000 Lbs.
9. ACCESSORIES:	

DRAWING LIST		NO.	REVISION	BY	DATE
MAIN TERMINAL BOX 130-7622-55					
AUX TERMINAL BOX FOR					
SPACE HEATER	130-7520-50				
R.T.D.	130-7522-51				
THERMISTOR	-	1	UPDATE	RWS	1/2/14
PRODUCTION #	-	0	FIRST ISSUE	MH	012904
UNITS:	INCHES				

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 F	RATING CONT.	FRAME 5011/12USS	S.F. ENCLOSURE WP-1
TOSHIBA INTERNATIONAL CORPORATION HOUSTON, TEXAS U.S.A.					
3rd ANGLE PROJ.	PREPARED BY: M.HO	DATE: 012904	CHECKED BY: D. HENSLEY	DATE: 012904	DRAWING NO.: MDSL0086-05
					REV. 1

TYPICAL MOTOR PERFORMANCE DATA

Model: 5003WPAK11F-C

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
500	373	2	3560	5012USS	4000	60	3	67
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
WP-I	23	F	1.15	CONT	93.9	B	F	40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	500	372.9	66.1	93.9	86.7
¾ Load	375.00	279.6	51.0	93.6	84.4
½ Load	250.00	186.4	37.2	92.6	78.0
¼ Load	125.00	93.2	25.7	88.8	58.8
No Load			15.6		7.1
Locked Rotor			376.10		23.3

Torque				Rotor wk ² Inertia (lb-ft ²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
738	110	65	250	92.35

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
32.6	24	-	6315C3	6315C3 INS	

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

Motor Options:
Product Family:ODP & WP-I
Mounting:Footed,Shaft:USS Shaft

Customer	
Customer PO	
Sales Order	
Project #	

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-1119 / 0
Engr. Date	8/18/2014	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

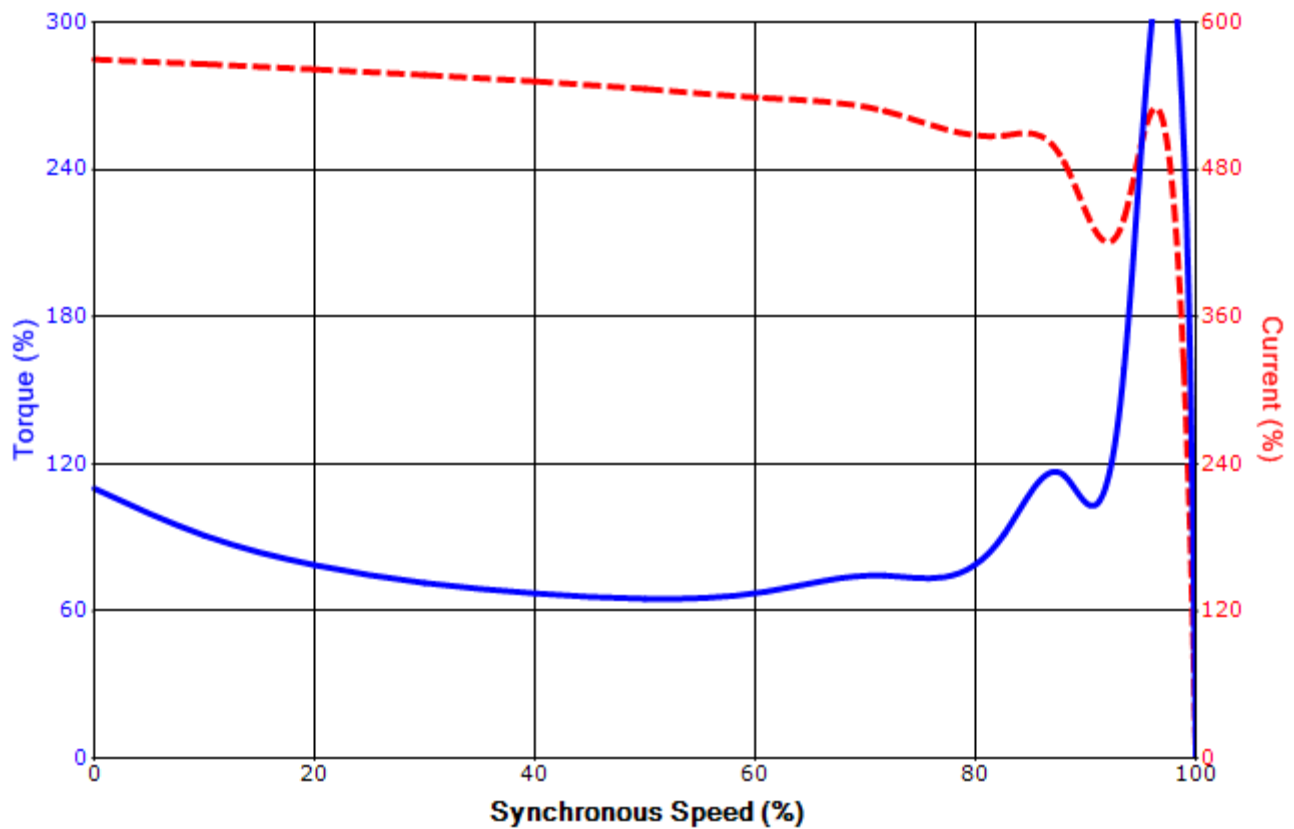
Issued Date	4/23/2015	Transmit #	
Issued By	dschoeck	Issued Rev	

SPEED TORQUE/CURRENT CURVE

Model: 5003WPAK11F-C

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
500	373	2	3560	5012USS	4000	60	3	67
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
WP-I	23	F	1.15	CONT	93.9	B	F	40 C
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque						Break Down (%)
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)				
376.10	92.35	738	110	65			250	

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.

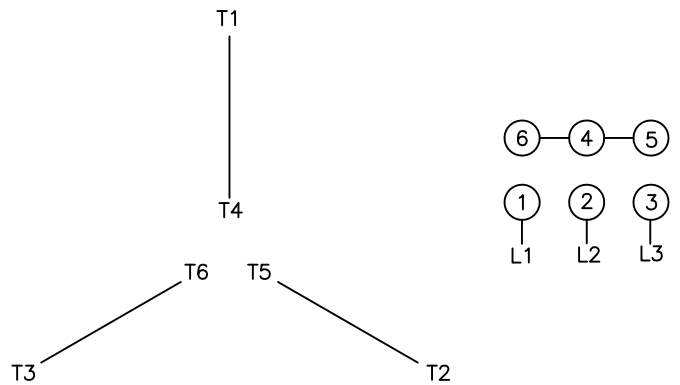
Motor Connection Diagrams
6 Leads

Across-the-Line Starting / Running Connections

Low Voltage – Delta



High Voltage – Wye



Switch L1 and L2 to reverse rotation