

TECHNICAL INFORMATION

1. BEARING LUBRICATION DE: TURBINE OIL ISO VG32
ODE: TURBINE OIL ISO VG32
2. BEARING TYPE DE: M9-90-INS
ODE: M9-90-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: 400
6. ROTATION: CCW VIEWED FROM NON DRIVE END
THIS MOTOR IS UNI DIRECTIONAL
7. MOTOR PAINT COLOR: _____
8. APPROX. WEIGHT: 5100 Lbs
9. ACCESORIES: _____

DRAWING LIST

NO.	REVISION	BY	DATE
1	CHANGE AUX BOX DIM FROM 12.3	HL	3/16/20
0	FIRST ISSUE	TZ	3/8/05
PRODUCTION #			

MAIN TERMINAL BOX

AUX TERMINAL BOX FOR

SPACE HEATER

R.T.D.

THERMISTOR

MOTOR OUTLINE FOR THREE PHASE INDUCTION MOTOR

CUSTOMER NAME				P.O. NO.	MOTOR TAG NO.		
OUTPUT HP	POLE	VOLTAGE	FREQUENCY	FULL LOAD SPEED	TOSHIBA MODEL NO.		
	2	2300/4000 V	60 Hz	(min ⁻¹)			
TYPE	FORM	INS. CLASS	RATING	FRAME	S.F.	ENCLOSURE	
		F	CONT.	5011/12	1.15	WP-II	
TOSHIBA INTERNATIONAL CORPORATION							
HOUSTON, TEXAS				U.S.A.			
3rd ANGLE PROJ.	PREPARED BY:	DATE:	CHECKED BY:	DATE:	DRAWING NO.:	REV.	
	T. ZIEBRO	3/8/05			MDSL0087-07	1	

TYPICAL MOTOR PERFORMANCE DATA

Model: 5003WTQK11F-A

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
500	373	2	3555	5012USS	4000	60	3	66
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
WP-II	24	F	1.15	CONT	93.7	-		40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	500.00	372.9	65	93.7	87.5
¾ Load	375.00	279.6	50	93.5	85.2
½ Load	250.00	186.4	36	92.5	78.7
¼ Load	125.00	93.2	25	88.7	59.4
No Load			15.5		6.9
Locked Rotor			355		23.6

Torque				Rotor wk ² Inertia (lb-ft ²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
739	120	65	235	92.35

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
13	8		M9-90 INS	M9-90 INS	0

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

Motor Options:
Product Family:WP-II
Mounting:Footed,Shaft:USS Shaft

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values.

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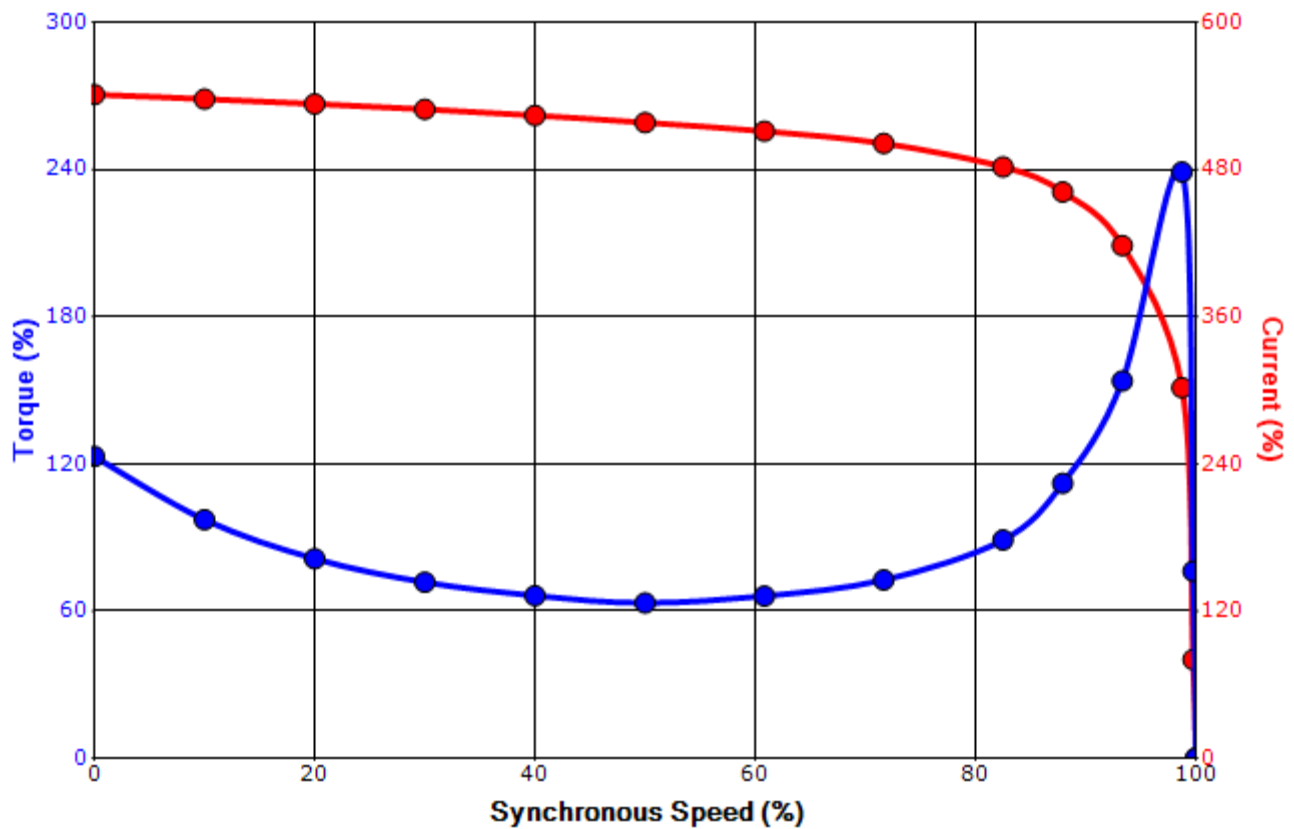
Engineering	bmmamen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	7/14/2014	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

SPEED TORQUE/CURRENT CURVE

Model: 5003WTQK11F-A

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
500	373	2	3555	5012USS	4000	60	3	66
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
WP-II	24	F	1.15	CONT	93.7	-		40 C
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque						Break Down (%)
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)				
355	92.35	739	120	65			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	bmammen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0
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