

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(PtO°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	
MAIN TERMINAL BOX	
AUX TERMINAL BOX FOR	
SPACE HEATER	
R.T.D.	
THERMISTOR	
PRODUCTION #	

0	FIRST ISSUE	TZ	3/8/05
NO.	REVISION	BY	DATE

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	<i>Yntlo</i>	<i>Yntlo</i>	MDSL0087-07	0

TYPICAL MOTOR PERFORMANCE DATA

Model: 7003WTQK11F-C

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
700	522	2	3574	5012USS	4000	60	3	92
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
WP-II	24	F	1.15	CONT	94.4	-	E	40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	700	522.0	91.0	94.4	87.7
¾ Load	525.00	391.5	70.3	94.1	85.4
½ Load	350.00	261.0	51.1	93.2	79.1
¼ Load	175.00	130.5	35.1	89.8	59.6
No Load			21.2		8.3
Locked Rotor			494.80		18.8

Torque				Rotor wk ² Inertia (lb-ft ²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
1029	85	90	250	114.85

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
23.7	13.6	-	M9-90 INS	M9-90 INS	

*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	bmammen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
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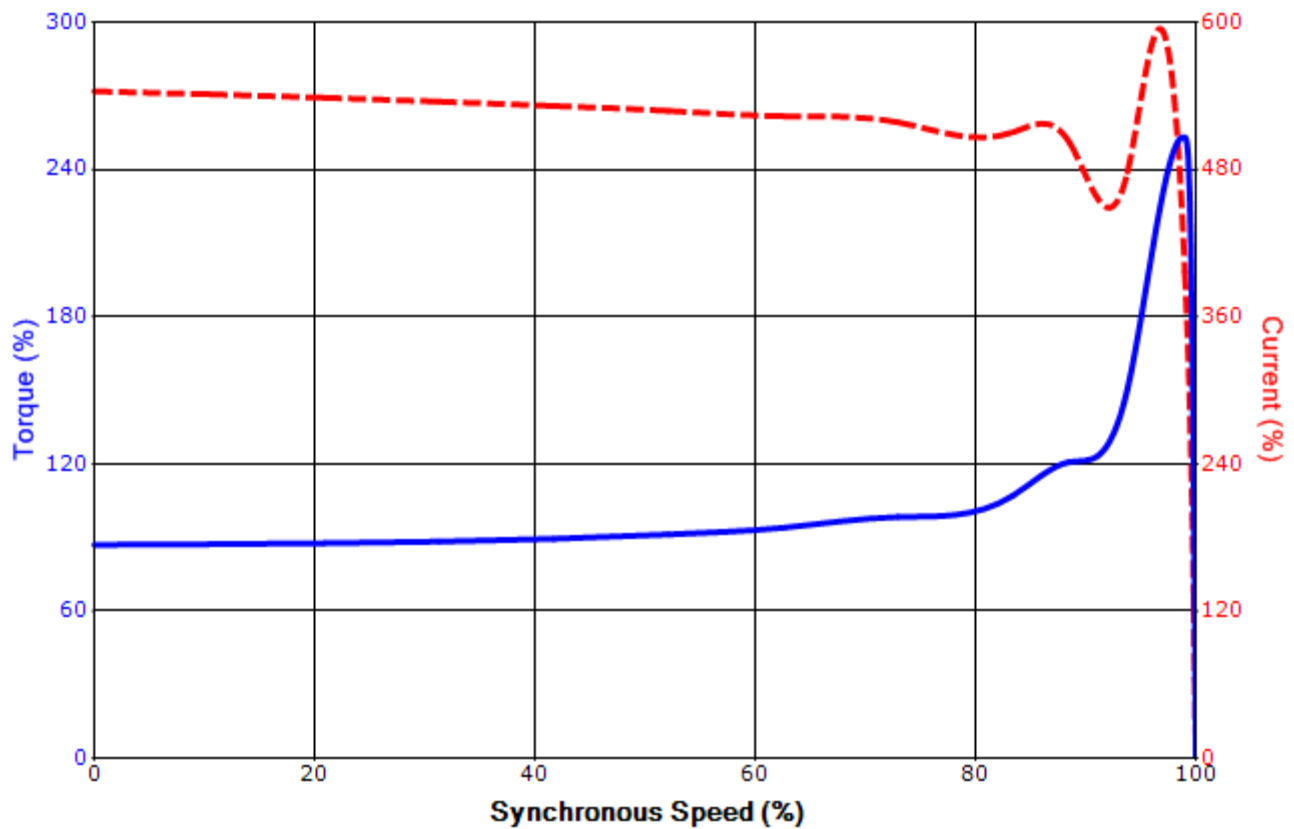
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SPEED TORQUE/CURRENT CURVE

Model: 7003WTQK11F-C

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
700	522	2	3574	5012USS	4000	60	3	92
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
WP-II	24	F	1.15	CONT	94.4	-	E	40 C
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque						Break Down (%)
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)				
494.80	114.85	1029	85	90			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.

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