

**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: 9100 Lbs
9. ACCESORIES:

DRAWING LIST		NO.	REVISION	BY	DATE
MAIN TERMINAL BOX 130-7532-02		4	FROM 5811/12 MTC, CHG. AUX BOX DIM FROM 14.6, CHG JACKING BOLTS FROM 4	JV	6/27/22
AUX TERMINAL BOX FOR		3	JACKING TO INLINE	RWS	1/3/14
SPACE HEATER	130-7520-50	2	UPDATE	MH	8/15/05
R.T.D.	130-7522-51	1	UPDATE	RW	4/16/03
THERMISTOR	N/A	0	FIRST ISSUE	RW	3/25/03
PRODUCTION #	N/A				

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 <sup>-1</sup> )	TOSHIBA MODEL NO.	
TYPE	FORM	INS. CLASS	RATING CONT.	FRAME	S.F.	ENCLOSURE
	2	F		5810/11/12		TEAAC
TOSHIBA INTERNATIONAL CORPORATION HOUSTON, TEXAS U.S.A.						
3rd ANGLE PROJ.	PREPARED BY:	DATE:	CHECKED BY:	DATE:	DRAWING NO.:	REV.
	R. WILKINS	03/25/03	M. HO	04/01/03	MDSL 0077-11	4

**TYPICAL MOTOR PERFORMANCE DATA**

Model: 9003TCQL11F-C

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
900	671	2	3570	5812USS	4000	60	3	113
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEAAC	44	F	1.15	CONT	94.6	-		40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	900.00	671.1	113	94.6	90.5
¾ Load	675.00	503.3	86	94.1	88.8
½ Load	450.00	335.6	62	92.7	83.6
¼ Load	225.00	167.8	41	88.0	66.5
No Load			27.6		
Locked Rotor			833		20.8

Torque				Rotor wk <sup>2</sup> Inertia (lb-ft <sup>2</sup> )
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
1323	135	125	235	177.01

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
6	1	-	M9-90 INS	M9-90 INS	9100

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

**Motor Options:**  
Product Family:TEAAC  
Mounting:Footed,Shaft:USS Shaft

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values.

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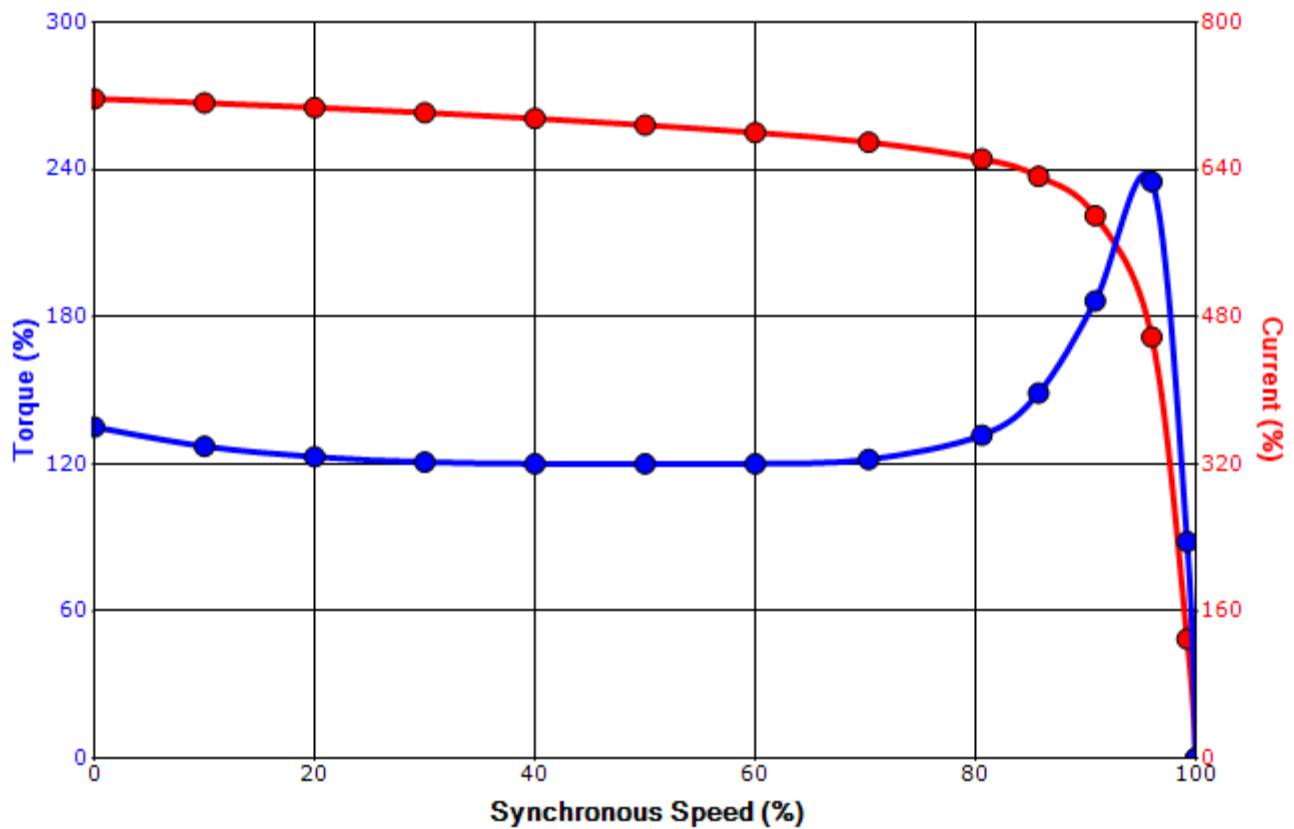
Engineering	bmammen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	7/28/2014	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

**SPEED TORQUE/CURRENT CURVE**

Model: 9003TCQL11F-C

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
900	671	2	3570	5812USS	4000	60	3	113
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEAAC	44	F	1.15	CONT	94.6	-		40 C
Locked Rotor Amps	Rotor wk <sup>2</sup> Inertia (lb-ft <sup>2</sup> )	Torque						Break Down (%)
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)				
833	177.01	1323	135	125			235	

**Design Values**



Customer		wk <sup>2</sup> Load Inertia (lb-ft <sup>2</sup> )	-
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
Engr. Date	7/28/2014	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

**Motor Connection Diagrams**  
6 Leads

Across the Line Starting / Run - Delta:



Alternate Starting Connection - Wye:



Switch L1 and L2 to reverse rotation