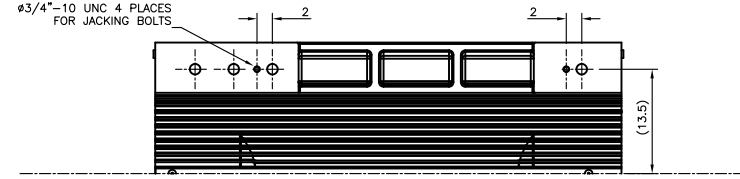
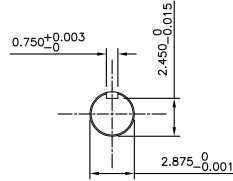


TECHNICAL INFORMATION	
1. BEARING LUBRICATION	DE: <u>TURBINE OIL ISO VG32</u> ODE: <u>TURBINE OIL ISO VG32</u>
2. BEARING TYPE	DE: <u>M9-90 INS</u> ODE: <u>M9-90 INS</u>
3. WINDING TEMP. DETECTORS	NUMBER AND TYPE: <u>6xRTD(Pt100C-100ohm)</u> LOCATION: <u>IN STATOR SLOT</u>
4. BEARING TEMP. DETECTORS	NUMBER AND TYPE: <u>N/A</u>
5. SPACE HEATER	<u>1</u> PHASE VOLTS: <u>120</u> WATTS: <u>400</u>
6. ROTATION: <u>CCW</u>	VIEWED FROM NON DRIVE END THIS MOTOR IS <u>UNI</u> DIRECTIONAL
7. MOTOR PAINT COLOR:	<u>GRAY</u>
8. APPROX. WEIGHT:	<u>11000 Lbs</u>
9. ACCESSORIES:	

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

TOSHIBA INTERNATIONAL CORPORATION
RESERVES THE RIGHT TO MAKE TECHNICAL
IMPROVEMENT AND DATA CHANGES WITHOUT NOTICE



UNITS:IN

DRAWING LIST		NO.	REVISION	BY	DATE
MAIN TERMINAL BOX	130P-7550-73	3	CHG JACKING BOLTS TO INLINE	SJ	3/26/14
AUX TERMINAL BOX FOR SPACE HEATER	130-7520-50	2	UPDATE WEIGHT	SJ	3/7/14
R.T.D.	130-7522-51	1	UPDATE DIMS	SJ	4/25/13
THERMISTOR	N/A	0	FIRST ISSUE	SJ	8/13/12
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 ⁻¹)	TOSHIBA MODEL NO.	
TYPE	FORM	INS. CLASS	RATING	FRAME	S.F.	ENCLOSURE
	2	F <td>CONT. <td>6811USS</td> <td></td> <td>TEFC</td> </td>	CONT. <td>6811USS</td> <td></td> <td>TEFC</td>	6811USS		TEFC
TOSHIBA INTERNATIONAL CORPORATION HOUSTON, TEXAS U.S.A.						
3rd ANGLE PROJ.	PREPARED BY:	DATE:	CHECKED BY:	DATE:	DRAWING NO.:	REV.
	S Johnson	8/13/12	ED R.	8/13/12	MDSL0071-24	3

TYPICAL MOTOR PERFORMANCE DATA

Model: 7003FTQL11F-C

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
700	522	2	3580	6811USS	4000	60	3	86
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.15	CONT	94.7	-		40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	700.00	522.0	85	94.7	93.0
¾ Load	525.00	391.5	64	94.2	92.5
½ Load	350.00	261.0	45	92.7	90.0
¼ Load	175.00	130.5	27	88.1	79.1
No Load			15.9		11.8
Locked Rotor			548		14.5

Torque				Rotor wk ² Inertia (lb-ft ²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
1027	75	80	280	309.03

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
46	23		M9-90 INS	M9-90 INS	15000

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

Motor Options:
Product Family:TEFC
Mounting:Footed,Shaft:USS Shaft

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values.

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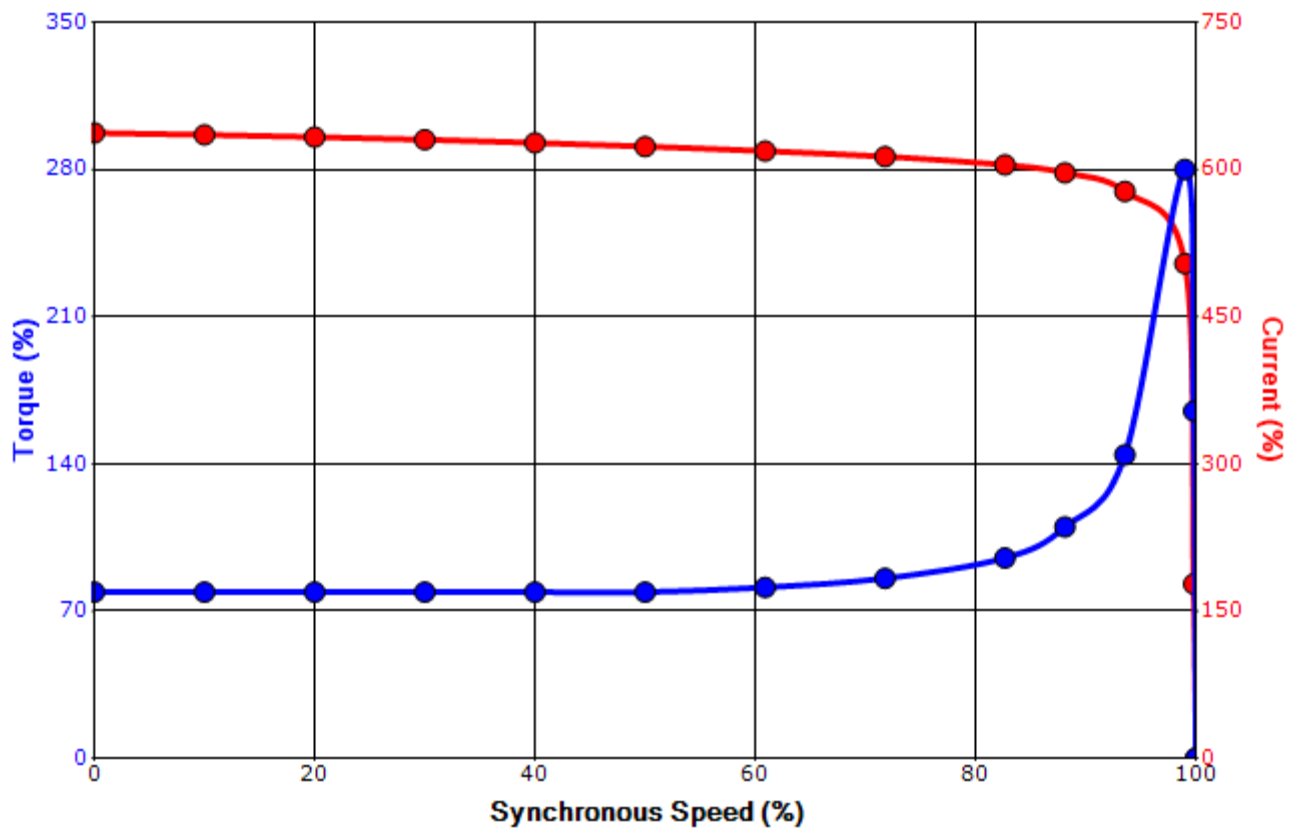
Engineering	kvnguyen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	2/3/2015	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

SPEED TORQUE/CURRENT CURVE

Model: 7003FTQL11F-C

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
700	522	2	3580	6811USS	4000	60	3	86
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.15	CONT	94.7	-		40 C
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque						Break Down (%)
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)				
548	309.03	1027	75	80			280	

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	kvnguyen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0
Engr. Date	2/3/2015	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

Motor Connection Diagram

3 Leads - Wye Connection

Single Voltage



Switch L1 and L2 to reverse rotation

Each lead may consist of more than one cable.
If multiple cables represent a single lead, each one of them will be labeled with the appropriate lead number.