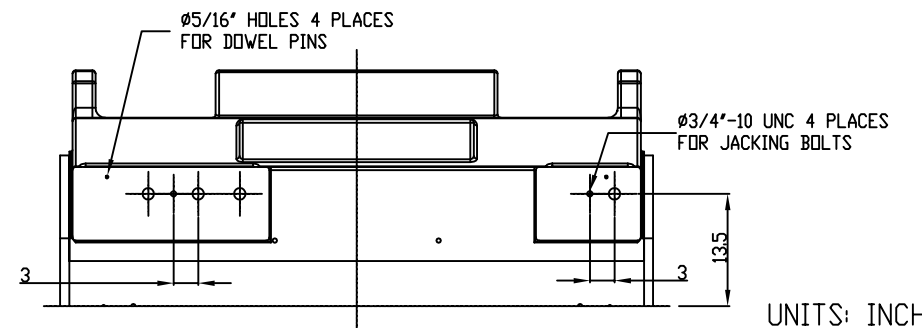
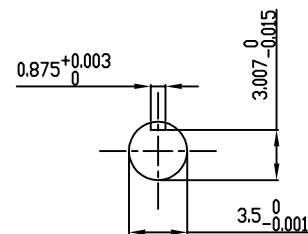


TECHNICAL INFORMATION

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: 800
6. ROTATION: CCW VIEWED FROM NON DRIVE END
THIS MOTOR IS UNI DIRECTIONAL
7. MOTOR PAINT COLOR: GRAY
8. APPROX. WEIGHT: 12,500 Lbs
9. ACCESORIES:

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



UNITS: INCHES

DRAWING LIST		MOTOR OUTLINE FOR THREE PHASE INDUCTION MOTOR										
MAIN TERMINAL BOX 130P-7550-68	3	JACKING TO INLINE	RWS	1/3/14	CUSTOMER NAME		P.O. NO.	MOTOR TAG NO.				
AUX TERMINAL BOX FOR SPACE HEATER	2	UPDATE INLET WINDOW SIZE & MAIN T-BOX P. No., CHG. SPACE HEATER WATTS FROM 400	JMP	10/12/11	OUTPUT HP	POLE 2	VOLTAGE V	FREQUENCY Hz	FULL LOAD SPEED (min ⁻¹)	TOSHIBA MODEL NO.		
R.T.D.	1	ADD PROBE PROV. RINGS & ODE BEARING CAP	JMP	04/05/11	TYPE	FORM	INS. CLASS F	RATING CONT.	FRAME 6810USS	S.F.	ENCLOSURE WP-II	
THERMISTOR	0	FIRST ISSUE	JMP	05/20/10	TOSHIBA INTERNATIONAL CORPORATION HOUSTON, TEXAS U.S.A.							
PRODUCTION #	N/A	NO.	REVISION	BY	DATE	3rd ANGLE PROJ.	PREPARED BY: J.PINON	DATE: 05/20/10	CHECKED BY: B.SIDLE	DATE: 05/20/10	DRAWING NO.: MDSL0087-65	REV. 3

TYPICAL MOTOR PERFORMANCE DATA

Model: M453WTQL11F-C

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
2250	1679	2	3583	6810USS	4000	60	3	278
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
WP-II	24	F	1.15	CONT	95.8	-	F	40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	2250	1677.8	277.9	95.8	91.0
¾ Load	1687.50	1258.4	210.3	95.6	90.4
½ Load	1125.00	838.9	146.0	94.7	87.6
¼ Load	562.50	419.5	87.8	91.6	75.2
No Load			51.4		9.1
Locked Rotor			1814.50		16.2

Torque				Rotor wk ² Inertia (lb-ft ²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
3298	80	85	200	468.81

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
13.2	10	-	M9-90 INS	M9-90 INS	

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

Motor Options:
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	7/10/2014	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

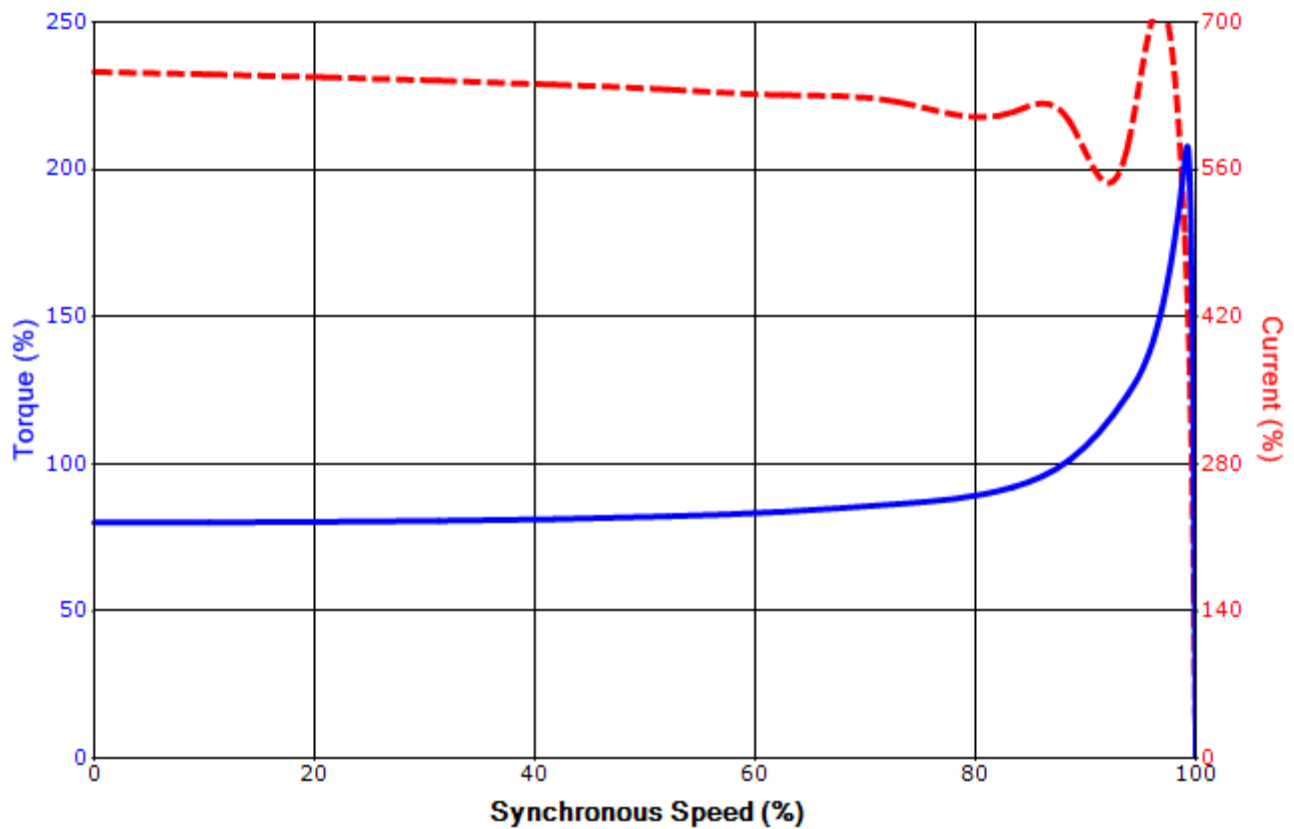
Issued Date	4/23/2015	Transmit #	
Issued By	dschoeck	Issued Rev	

SPEED TORQUE/CURRENT CURVE

Model: M453WTQL11F-C

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
2250	1679	2	3583	6810USS	4000	60	3	278
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
WP-II	24	F	1.15	CONT	95.8	-	F	40 C
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque				Break Down (%)		
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)				
1814.50	468.81	3298	80	85	200			

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	bmammen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0
Engr. Date	7/10/2014	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011