

TECHNICAL INFORMATION

- BEARING LUBRICATION DE: TURBINE OIL ISO VG32
ODE: TURBINE OIL ISO VG32
- BEARING TYPE DE: M9-90-INS
ODE: M9-90-INS
- WINDING TEMP. DETECTORS
NUMBER AND TYPE: 6xRTD(Pt0°C-100ohm)
LOCATION: IN STATOR SLOT
- BEARING TEMP. DETECTORS
NUMBER AND TYPE: _____
- SPACE HEATER 1 PHASE
VOLTS: 120 WATTS: 400
- ROTATION: CCW VIEWED FROM NON DRIVE END
THIS MOTOR IS UNI DIRECTIONAL
- MOTOR PAINT COLOR: GRAY (STD)
- APPROX. WEIGHT: 5100 Lbs
- ACCESORIES:

DRAWING LIST	
MAIN TERMINAL BOX	130-7622-55
AUX TERMINAL BOX FOR	
SPACE HEATER	130P-7520-50
R.T.D.	130P-7522-51
THERMISTOR	
PRODUCTION #	

NO.	REVISION	BY	DATE
1	CHANGE AUX BOX DIM FROM 12.3	HL	3/20/20
0	FIRST ISSUE	ME	2/2/16

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 CONT.	FRAME	S.F.	ENCLOSURE
				5011/12		WP-II
TOSHIBA INTERNATIONAL CORPORATION						
HOUSTON, TEXAS			U.S.A.			
3rd ANGLE PROJ.	PREPARED BY:	DATE:	CHECKED BY:	DATE:	DRAWING NO.:	REV.
	M.Easterbrook	2/2/16	Eddie R.	3/15/16	MDSL0087-112	1

TYPICAL MOTOR PERFORMANCE DATA

Model: 8003WTQK11F-CF

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
800	597	2	3570	5012USS	2300/4000	60	3	175/101
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
WP-II	55	F	1.15	CONT	94.9	-		40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	800.00	596.6	101	94.9	89.6
¾ Load	600.00	447.4	77	94.8	88.1
½ Load	400.00	298.3	55	94.0	83.3
¼ Load	200.00	149.1	35	91.1	66.1
No Load			21.4		6.4
Locked Rotor			583		22.1

Torque				Rotor wk ² Inertia (lb-ft ²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
1176	115	120	220	126.69

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
27	15	82.0	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.

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Engineering	SSuryani	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	5/13/2020	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

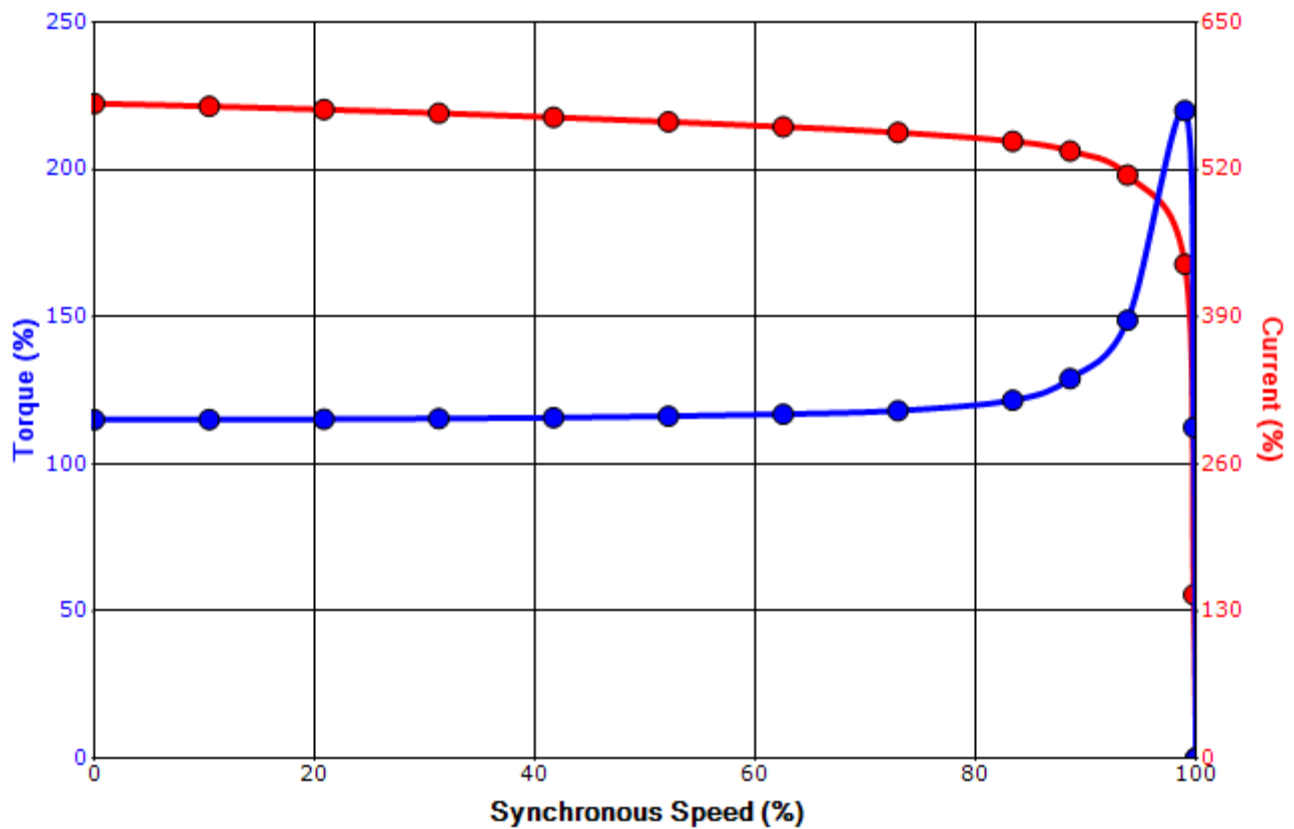
Issued Date	7/19/2021	Transmit #	
Issued By	dschoeck	Issued Rev	

SPEED TORQUE/CURRENT CURVE

Model: 8003WTQK11F-CF

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
800	597	2	3570	5012USS	2300/4000	60	3	175/101
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
WP-II	55	F	1.15	CONT	94.9	-		40 C
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque						Break Down (%)
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)				
583	126.69	1176	115	120			220	

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.

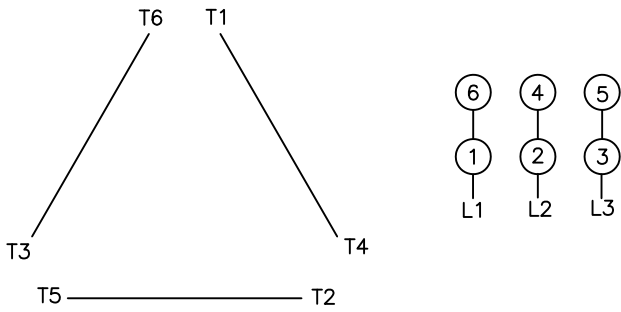
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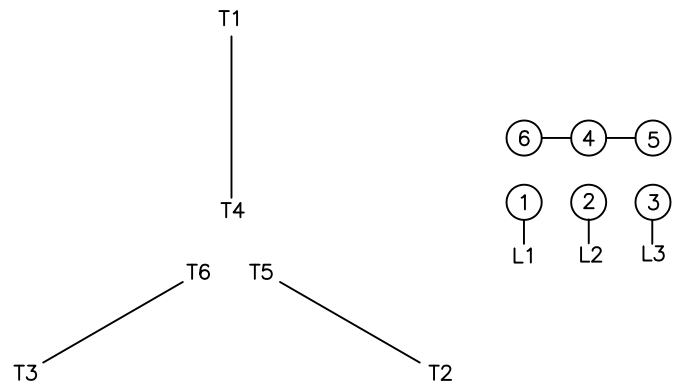
Motor Connection Diagrams 6 Leads

Across-the-Line Starting / Running Connections

Low Voltage – Delta



High Voltage – Wye



Switch L1 and L2 to reverse rotation