

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

**MOTOR OUTLINE FOR
THREE PHASE INDUCTION MOTOR**

CUSTOMER NAME				P.O. NO.	MOTOR TAG NO.	
OUTPUT HP	POLE 2	VOLTAGE 2300/4000 V	FREQUENCY 60 Hz	FULL LOAD SPEED (min ⁻¹)	TOSHIBA MODEL NO.	
TYPE	FORM	INS. CLASS	RATING CONT.	FRAME 5011/12	S.F.	ENCLOSURE WP-II
TOSHIBA INTERNATIONAL CORPORATION HOUSTON, TEXAS U.S.A.						
3rd ANGLE PROJ.	PREPARED BY: M.Easterbrook	DATE: 2/2/16	CHECKED BY: Eddie R.	DATE: 3/15/16	DRAWING NO.: MDSL0087-112	REV. 1

TYPICAL MOTOR PERFORMANCE DATA

Model: M203WTQK11F-CF

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
1000	746	2	3560	5012USS	2300/4000	60	3	219/126
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
WP-II	55	F	1.15	CONT	90.1	-		40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	1000.00	745.7	126	94.7	90.1
¾ Load	750.00	559.3	95	94.7	89.2
½ Load	500.00	372.9	66	94.2	85.7
¼ Load	250.00	186.4	41	91.8	71.2
No Load			22.7		6.3
Locked Rotor			632		22.0

Torque				Rotor wk ² Inertia (lb-ft ²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
1476	100	105	190	134.68

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
26	14	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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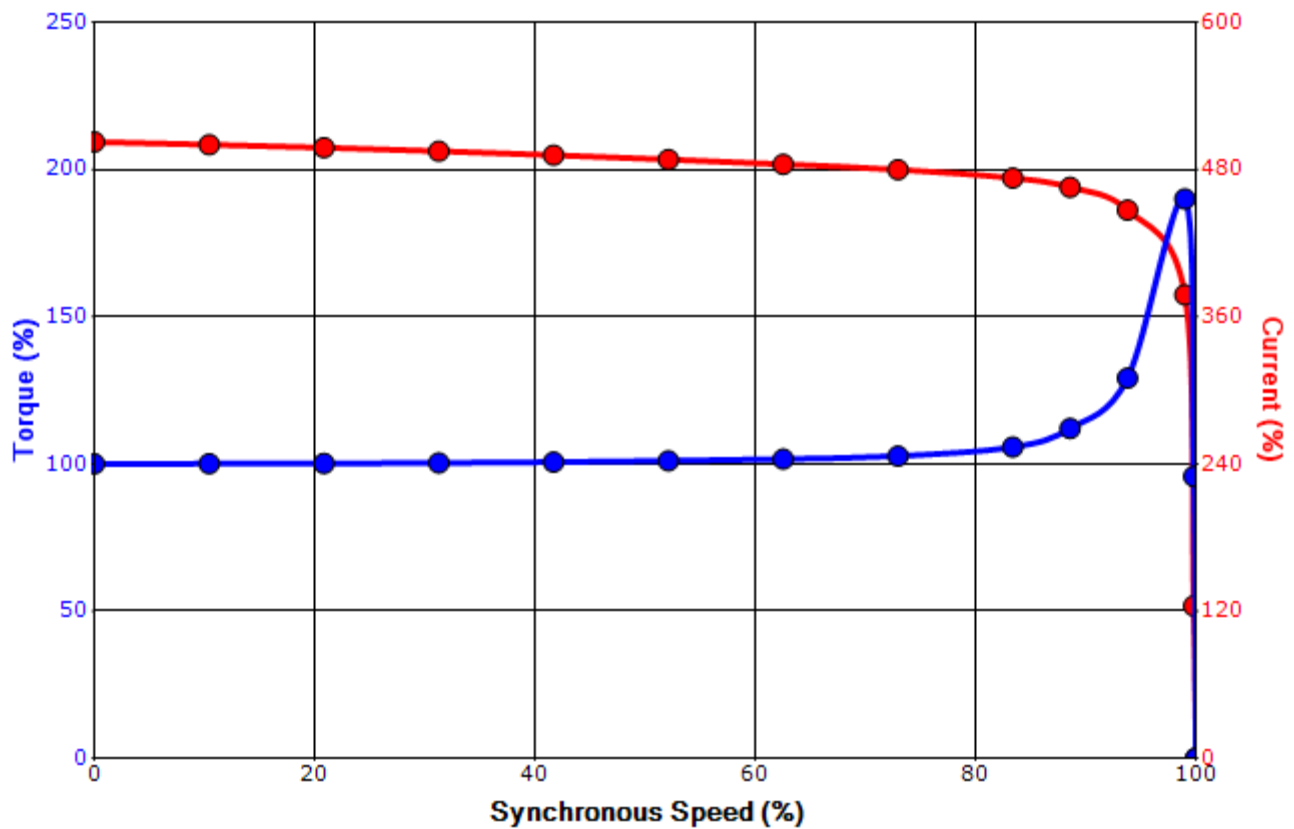
Engineering	SSuryani	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	5/13/2020	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

SPEED TORQUE/CURRENT CURVE

Model: M203WTQK11F-CF

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
1000	746	2	3560	5012USS	2300/4000	60	3	219/126
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
WP-II	55	F	1.15	CONT	90.1	-		40 C
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque						Break Down (%)
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)				
632	134.68	1476	100	105			190	

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.

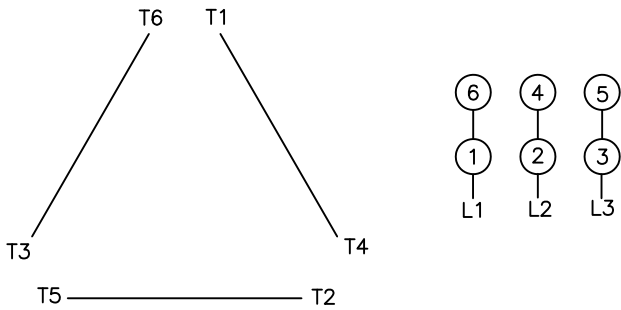
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Engineering	SSuryani	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0
Engr. Date	5/13/2020	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

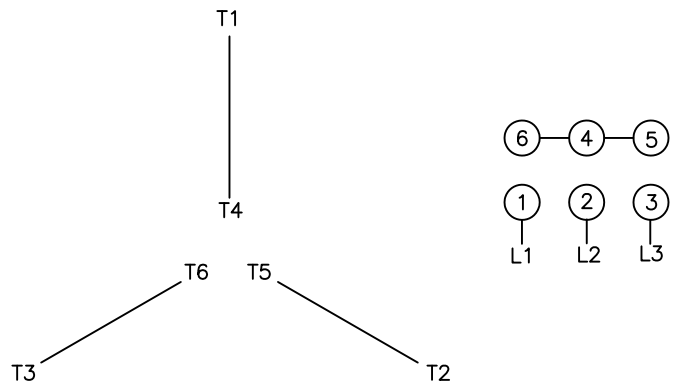
Motor Connection Diagrams
6 Leads

Across-the-Line Starting / Running Connections

Low Voltage – Delta



High Voltage – Wye



Switch L1 and L2 to reverse rotation