

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: N/A
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: GRAY
8. APPROX. WEIGHT: 7650 Lbs
9. ACCESORIES:

DRAWING LIST

MAIN TERMINAL BOX 130P-7532-100		3	UPDATE	RWS	01/02/14
AUX TERMINAL BOX FOR		2	UPDATE	MH	08/15/05
SPACE HEATER	130-7520-50	1	UPDATE	RW	04/16/03
R.T.D.	139-0054-01				
THERMISTOR	N/A				
		0	FIRST ISSUE	RW	03/25/03
PRODUCTION #	N/A	NO.	REVISION	BY	DATE

MOTOR OUTLINE FOR THREE PHASE INDUCTION MOTOR

CUSTOMER NAME				P.O. NO.	MOTOR TAG NO.	
OUTPUT HP	POLE 2	VOLTAGE V	FREQUENCY Hz	FULL LOAD SPEED (min ⁻¹)	TOSHIBA MODEL NO.	
TYPE	FORM DCW4	INS. CLASS F	RATING CONT.	FRAME 5811/5812	S.F.	ENCLOSURE WP-1
TOSHIBA INTERNATIONAL CORPORATION HOUSTON, TEXAS U.S.A.						
3rd ANGLE PROJ.	PREPARED BY: M. HO	DATE: 04/01/03	CHECKED BY:	DATE:	DRAWING NO.: MDSL0086-11	REV. 3

TYPICAL MOTOR PERFORMANCE DATA

Model: M203WPQL11F-C

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
1000	746	2	3565	5812USS	4000	60	3	126
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
WP-I	23	F	1.15	CONT	95.5	-		40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	1000.00	745.7	125	95.5	89.7
¾ Load	750.00	559.3	96	95.2	88.1
½ Load	500.00	372.9	68	94.3	83.1
¼ Load	250.00	186.4	45	90.7	65.9
No Load			27.0		6.1
Locked Rotor			850		21.4

Torque				Rotor wk ² Inertia (lb-ft ²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
1473	135	115	245	177.01

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
5	2	-	M9-90 INS	M9-90 INS	0

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

Motor Options:
Product Family:ODP & WP-I
Mounting:Footed,Shaft:USS Shaft

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values.

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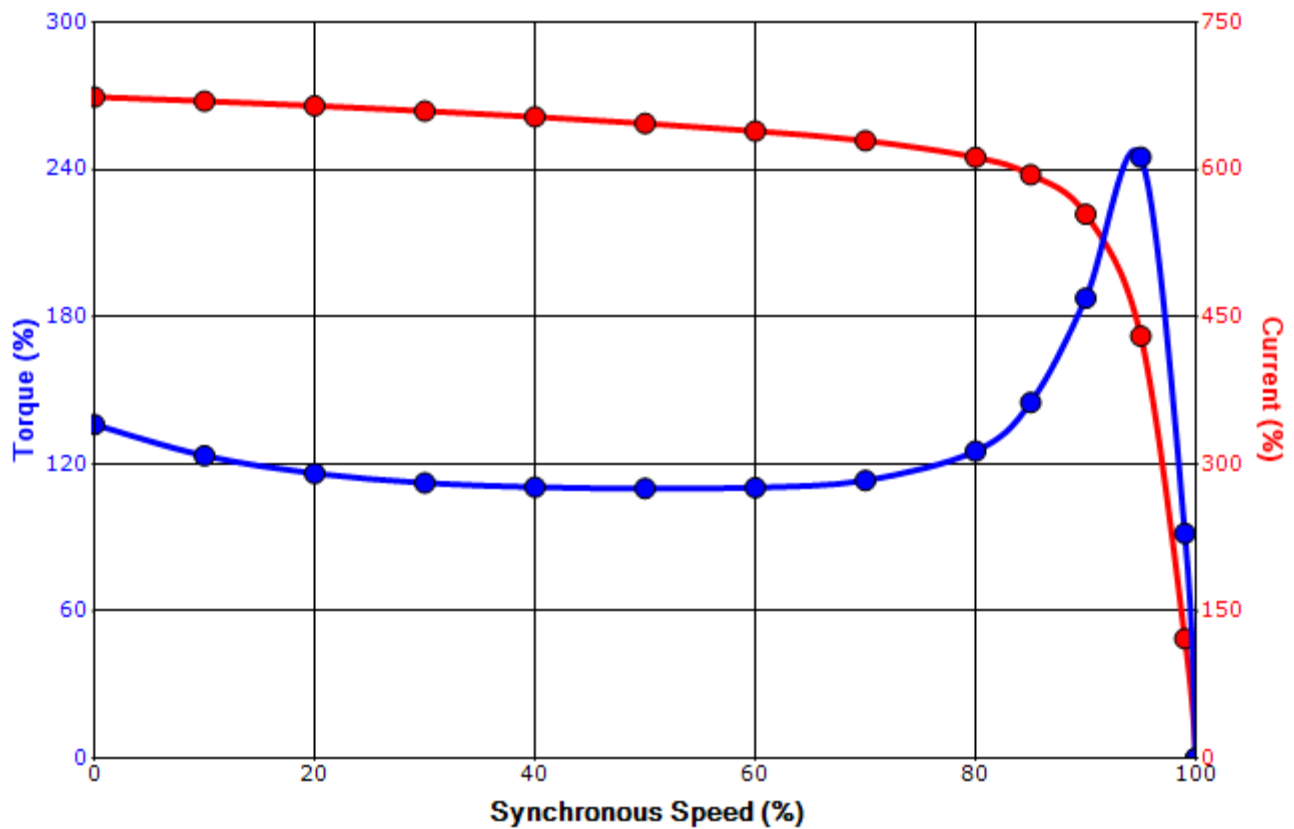
Engineering	bmmammen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	7/15/2014	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

SPEED TORQUE/CURRENT CURVE

Model: M203WPQL11F-C

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
1000	746	2	3565	5812USS	4000	60	3	126
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
WP-I	23	F	1.15	CONT	95.5	-		40 C
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque						
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)	Break Down (%)			
850	177.01	1473	135	115	245			

Design Values



Customer		wk ² Load Inertia (lb-ft ²)	-
Customer PO		Load Type	-
Sales Order		Voltage (%)	100
Project #		Accel. Time	-

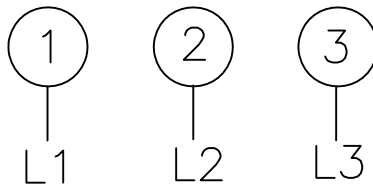
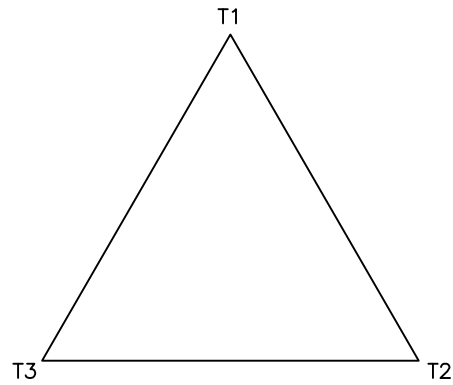
Tag:

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Engineering	bmammen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0
Engr. Date	7/15/2014	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

Motor Connection Diagram
3 Leads - Delta Connection



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.