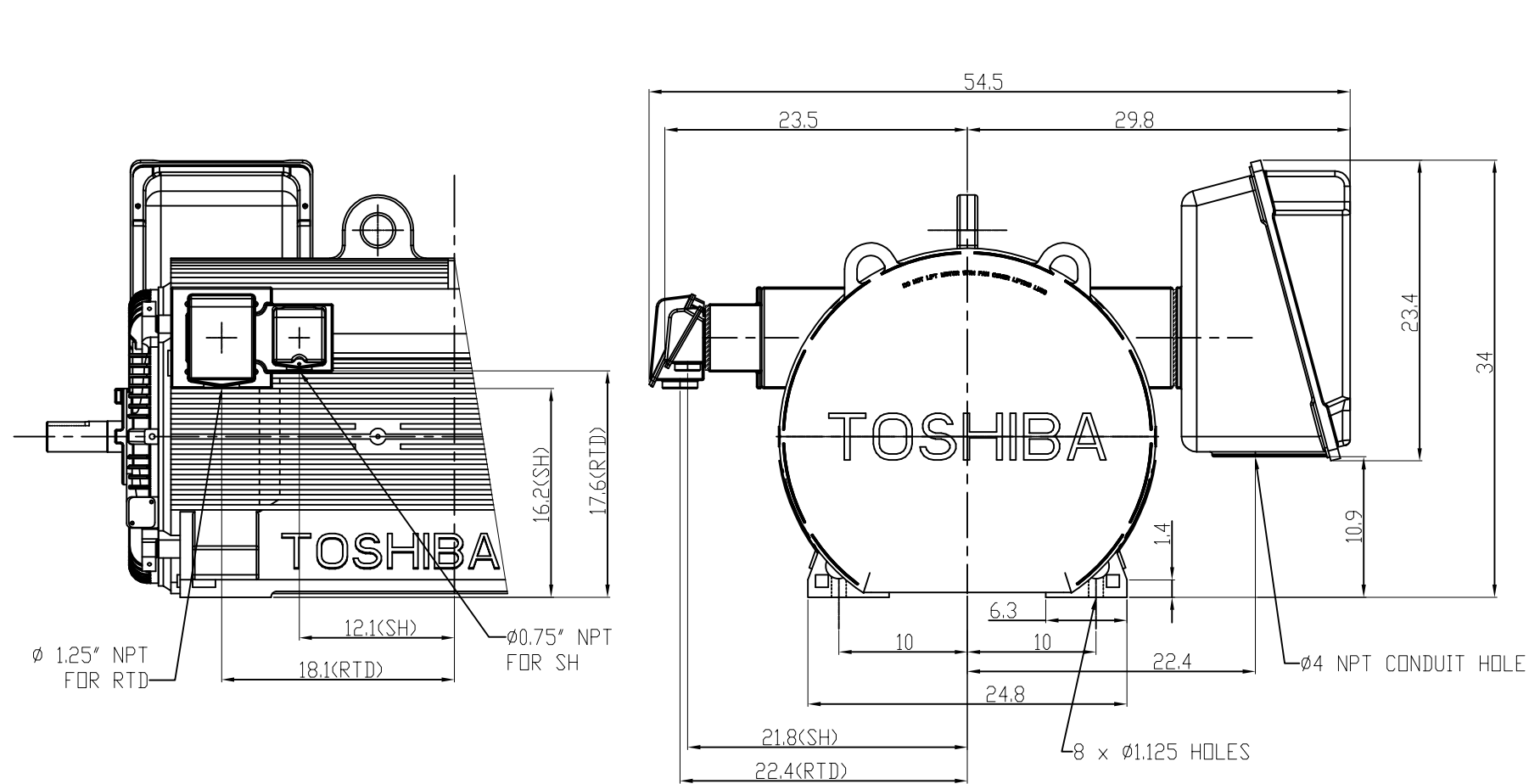




TECHNICAL INFORMATION

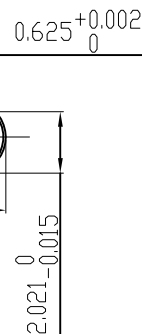
- BEARING LUBRICATION DE: MOBIL POLYREX EM
ODE: MOBIL POLYREX EM
- BEARING TYPE DE: 6313C3
ODE: 6313C3 INSULATED
- WINDING TEMP. DETECTORS
NUMBER AND TYPE: 6xRTD(Pt0°C-100ohm)
LOCATION: IN STATOR SLOT
- BEARING TEMP. DETECTORS
NUMBER AND TYPE: _____
- SPACE HEATER 1 PHASE
VOLTS: 120 WATTS: 240
- ROTATION: CCW VIEWED FROM NON DRIVE END
THIS MOTOR IS UNI DIRECTIONAL
- MOTOR PAINT COLOR: GRAY
- APPROX. WEIGHT: 5000 Lbs
- ACCESORIES:

DRAWING LIST

MAIN TERMINAL BOX
130-7622-55

AUX TERMINAL BOX FOR
SPACE HEATER 130-7520-50
R.T.D. 130-7522-51
THERMISTOR N/A

PRODUCTION # N/A



2	GRS FROM SRI, ADD DOWELS JACKING TO INLINE	RWS	1/6/13
1	CHG FAB. FC FOR C.I. FC	JMP	9/24/08
0	FIRST ISSUE	BCS	4/24/07

NO.	REVISION	BY	DATE
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MOTOR OUTLINE FOR THREE PHASE INDUCTION MOTOR

CUSTOMER NAME				P.O. NO.	MOTOR TAG NO.
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OUTPUT HP	POLE 2	VOLTAGE V	FREQUENCY Hz	FULL LOAD SPEED (min ⁻¹)	TOSHIBA MODEL NO.	
TYPE	FORM	INS. CLASS F	RATING CONT.	FRAME 5011USS	S.F.	ENCLOSURE TEFC

TOSHIBA INTERNATIONAL CORPORATION
HOUSTON, TEXAS U.S.A.

3rd ANGLE PROJ.	PREPARED BY: B SIDLE	DATE: 4/24/07	CHECKED BY: S Johnson	DATE: 4/26/07	DRAWING NO.: MDSL0071-14	REV. 2
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UNITS: INCHES

TYPICAL MOTOR PERFORMANCE DATA

Model: 4503FTAL11F-A

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
450	336	2	3580	5011USS	4000	60	3	60
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	44	F	1.15	CONT	94.7	A	H	40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	450	335.6	59.2	94.7	86.4
¾ Load	337.50	251.7	46.4	93.7	83.5
½ Load	225.00	167.8	34.6	91.6	76.3
¼ Load	112.50	83.9	25.1	85.4	56.5
No Load			16.5		8.1
Locked Rotor			412.00		28.1

Torque				Rotor wk² Inertia (lb-ft²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
661	200	165	250	123.82

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
10.1	4.2	-	6313C3	6313 INS	

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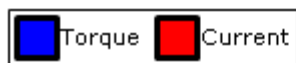
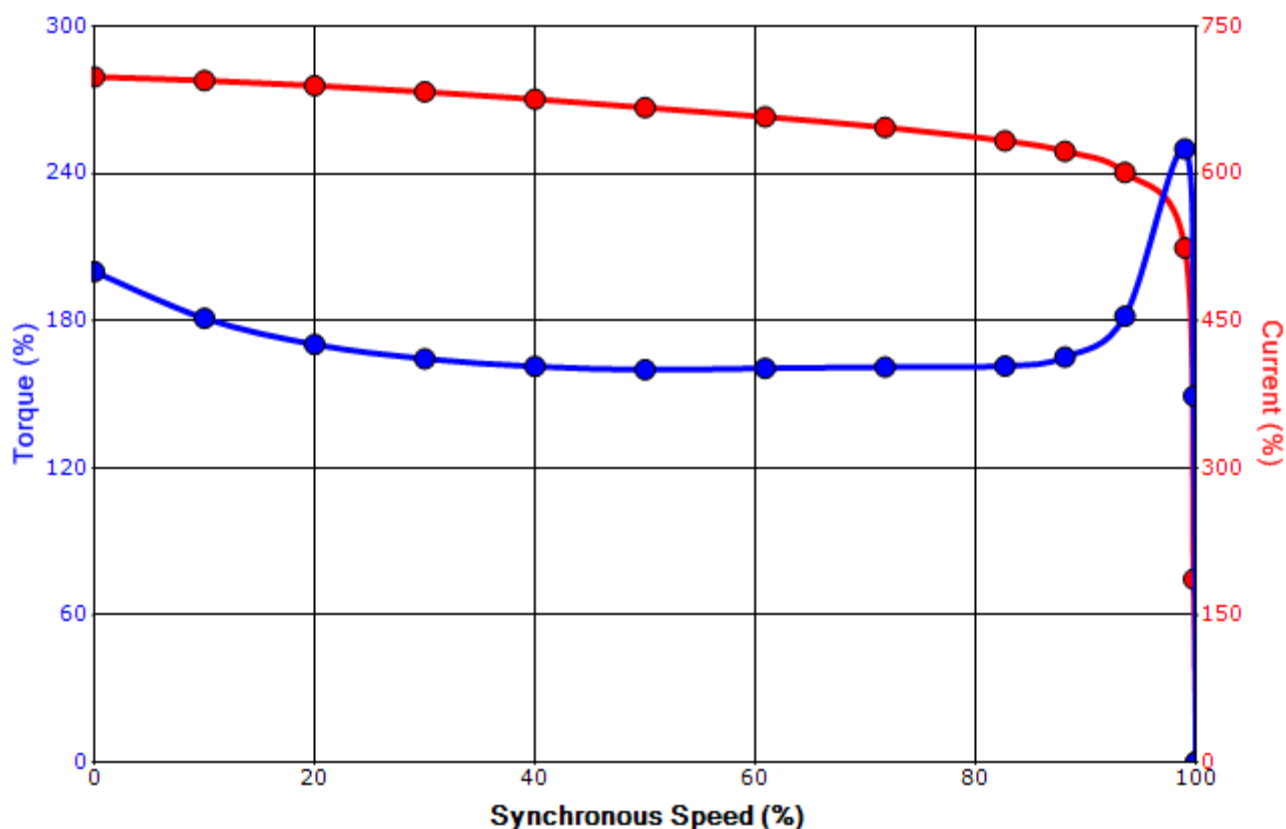
Engineering	bammen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	7/8/2014	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

SPEED TORQUE/CURRENT CURVE

Model: 4503FTAL11F-A

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
450	336	2	3580	5011USS	4000	60	3	60
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	44	F	1.15	CONT	94.7	A	H	40 C
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque						
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)		Break Down (%)		
412.00	123.82	661	200	165		250		

Design Values



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

Tag:

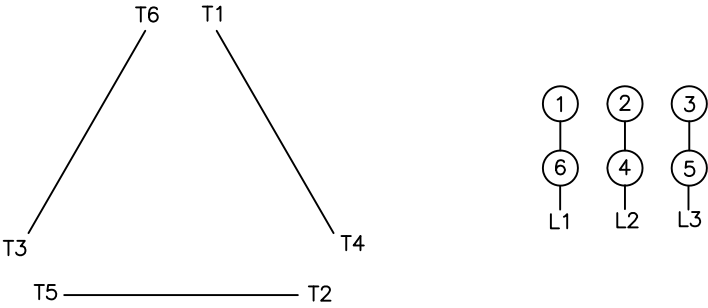
All characteristics are average expected values.

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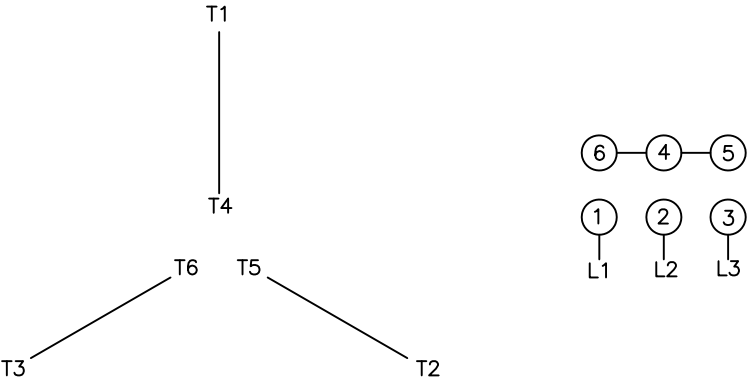
Engineering	bmammen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0
Engr. Date	7/8/2014	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

Motor Connection Diagrams
6 Leads

Across the Line Starting / Run - Delta:



Alternate Starting Connection - Wye:



Switch L1 and L2 to reverse rotation