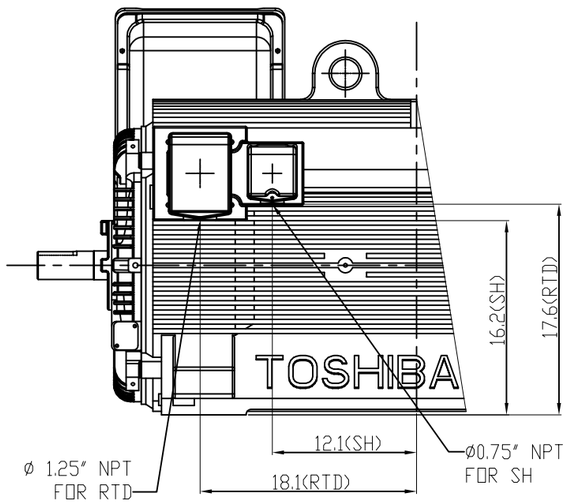
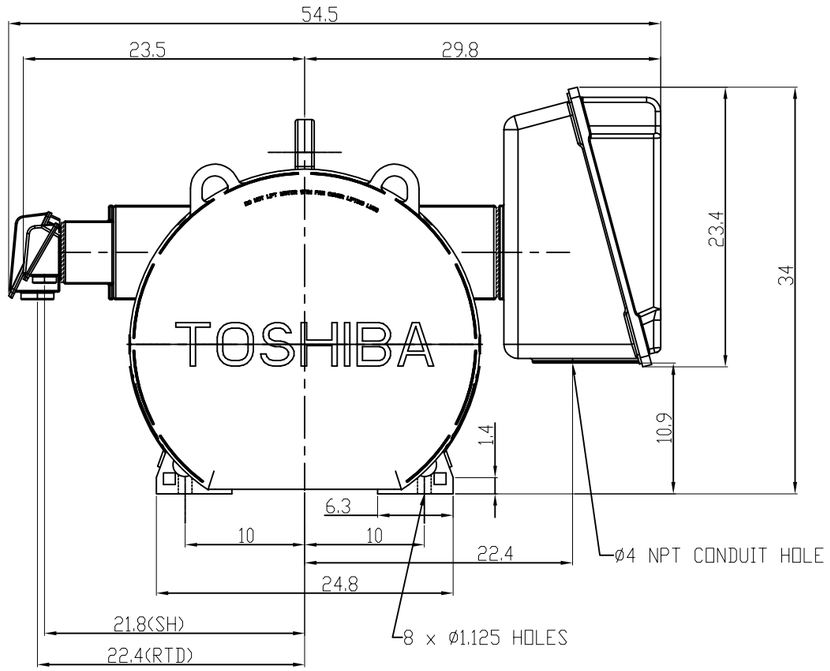
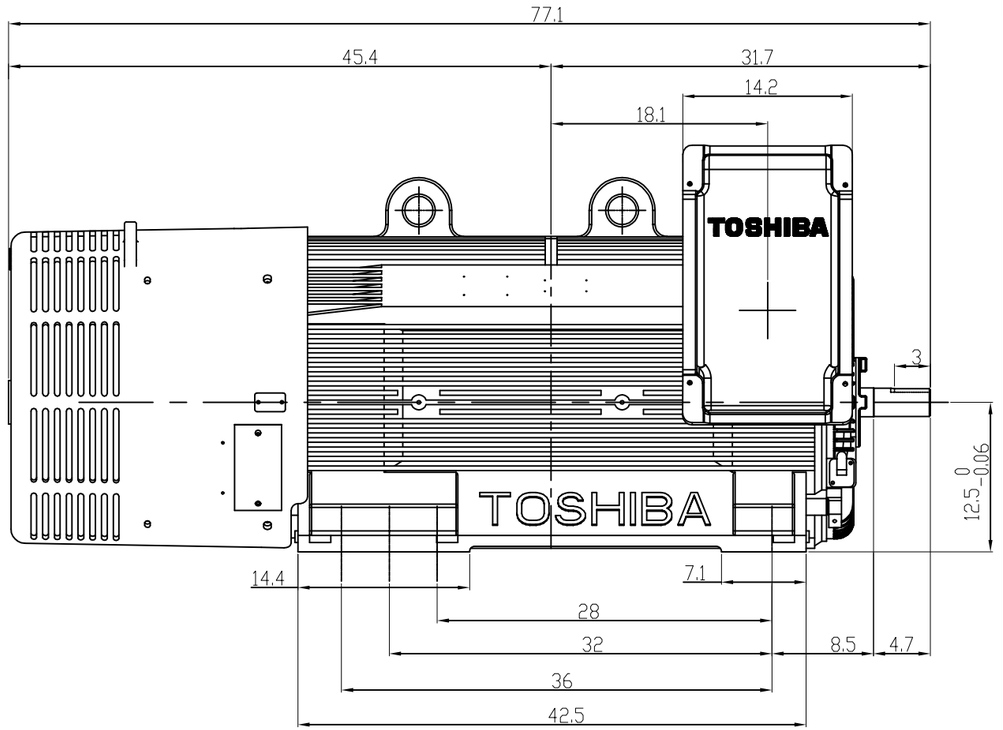
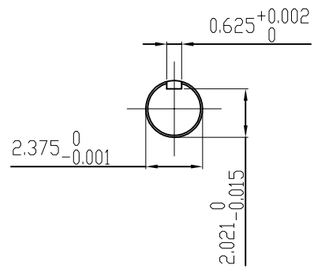
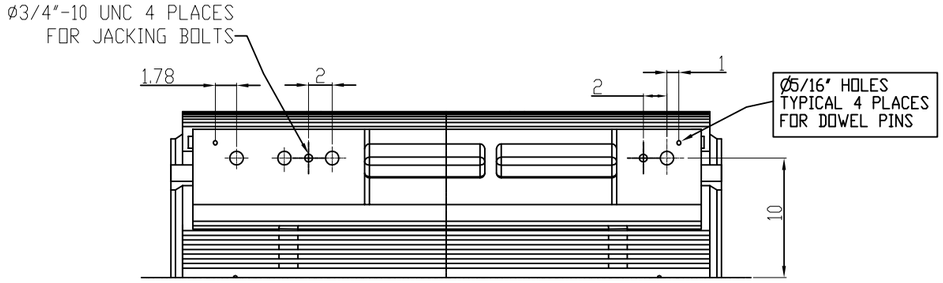










UNITS:INCHES

TECHNICAL INFORMATION

1. BEARING LUBRICATION — DE: MOBIL POLYREX EM; ODE: MOBIL POLYREX EM
2. BEARING TYPE — DE: 6313C3; ODE: 6313C3 INSULATED
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: 240
6. ROTATION: CCW VIEWED FROM NON DRIVE END
   THIS MOTOR IS UNI DIRECTIONAL
7. MOTOR PAINT COLOR: GRAY
8. APPROX. WEIGHT: 5000 Lbs
9. 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

NO.	REVISION	BY	DATE
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

MOTOR OUTLINE FOR THREE PHASE INDUCTION MOTOR

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

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

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

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

TOSHIBA
Leading Innovation >>>

TYPICAL MOTOR PERFORMANCE DATA

Model: 3503FTAL11F-A

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
350	261	2	3575	5011USS	4000	60	3	46

Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	44	F	1.15	CONT	94.0	A		40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	350.00	261.0	45	94.0	87.5
¾ Load	262.50	195.7	35	92.9	85.3
½ Load	175.00	130.5	26	90.6	79.2
¼ Load	87.50	65.2	18.3	83.9	61.1
No Load			11.4		10.1
Locked Rotor			299		26.9

Torque				Rotor wk² Inertia
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	(lb-ft²)
514	185	145	235	105.13

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight
Cold	Hot		DE	NDE	(lbs)
12	5	-	6313C3	6313 INS	4407

*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.

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

TOSHIBA
Leading Innovation >>>

SPEED TORQUE/CURRENT CURVE

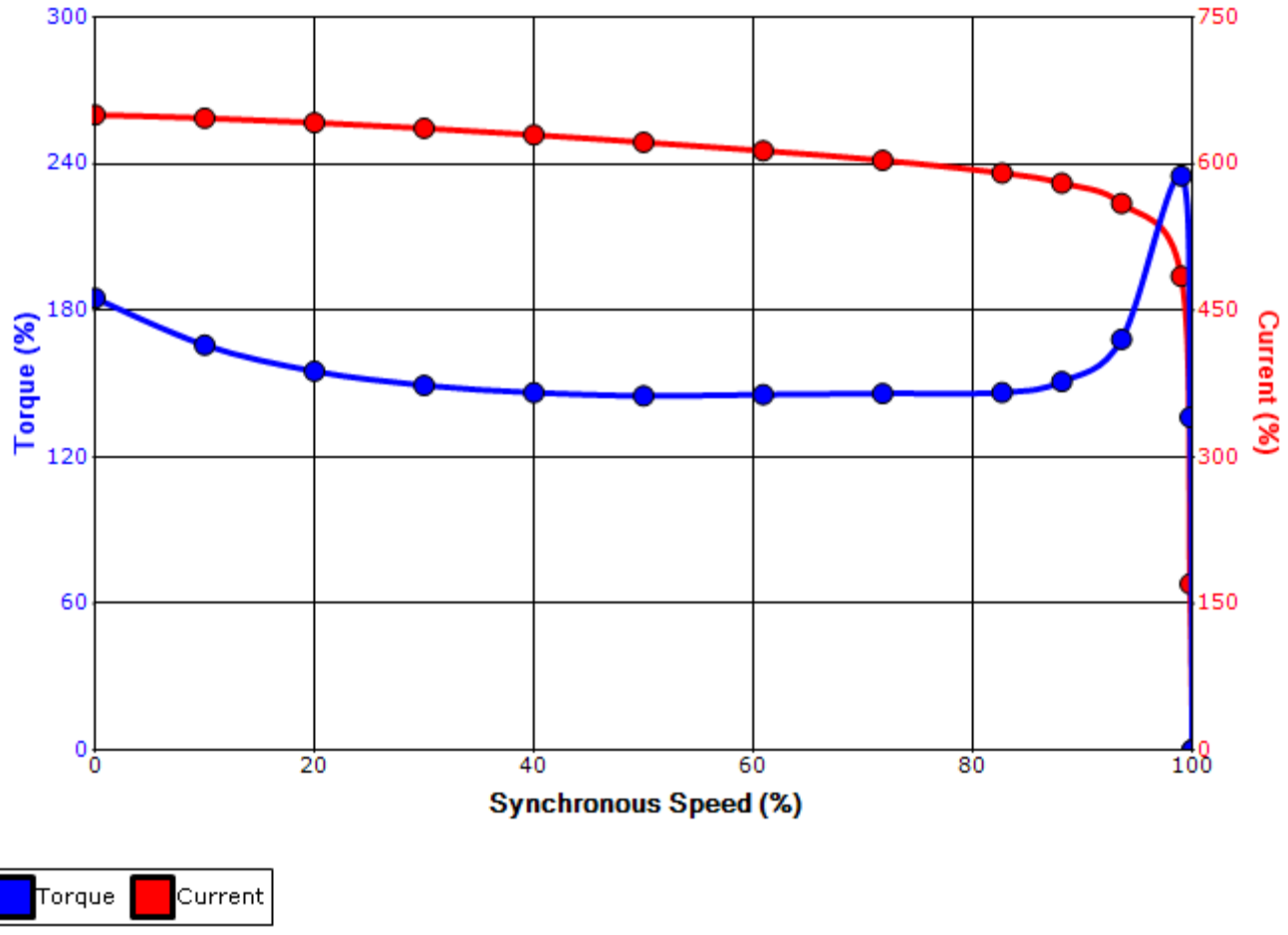
Model: 3503FTAL11F-A

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
350	261	2	3575	5011USS	4000	60	3	46

Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	44	F	1.15	CONT	94.0	A		40 C

Locked Rotor Amps	Rotor wk² Inertia (lb-ft²)	Torque			
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)	Break Down (%)
299	105.13	514	185	145	235

Design Values



Customer		wk² Load Inertia (lb-ft²)	-	
Customer PO		Load Type	-	
Sales Order		Voltage (%)	100	
Project #		Accel. Time	-	

Tag:

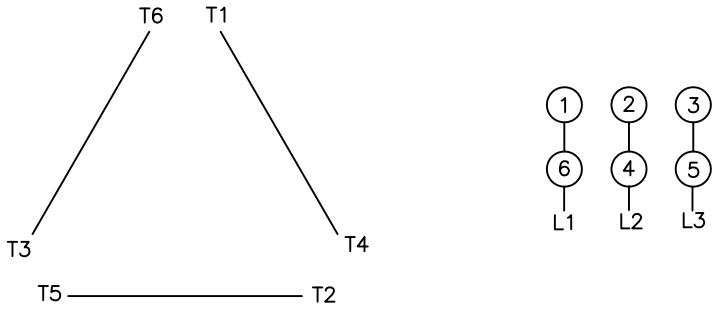
All characteristics are average expected values.

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

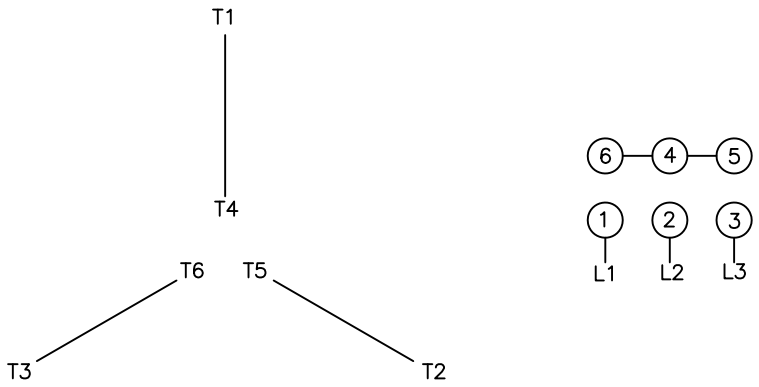
Engineering	bmammen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0
Engr. Date	7/8/2014	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

Motor Connection Diagrams
6 Leads

Across the Line Starting / Run - Delta:



Alternate Starting Connection - Wye:



Switch L1 and L2 to reverse rotation