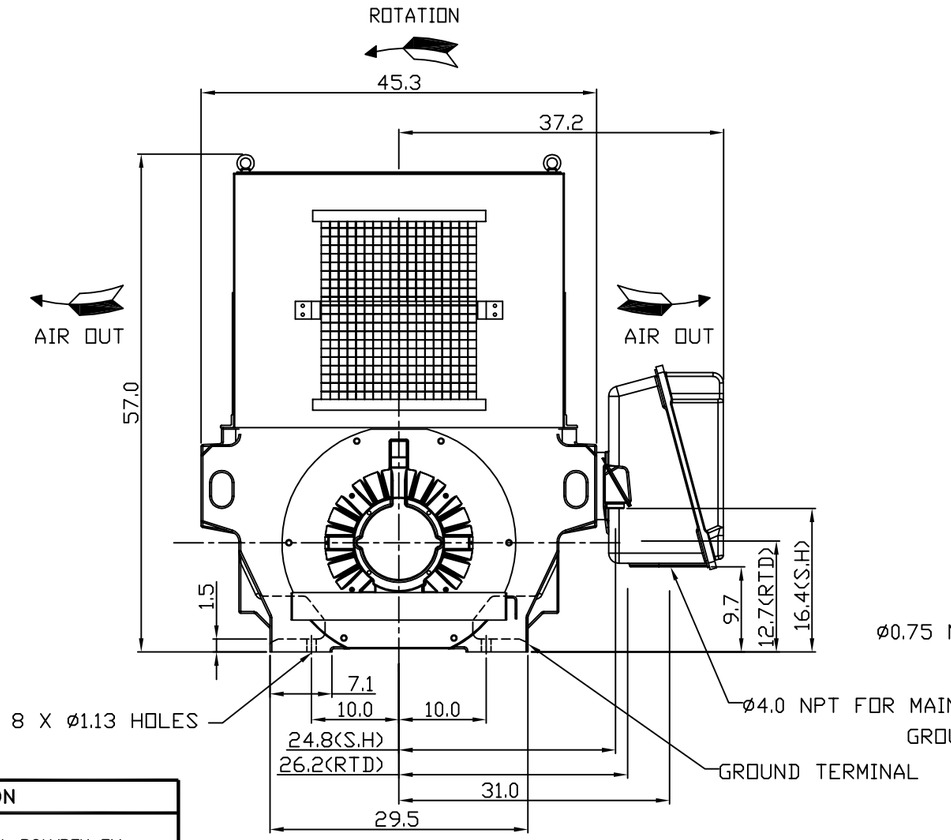

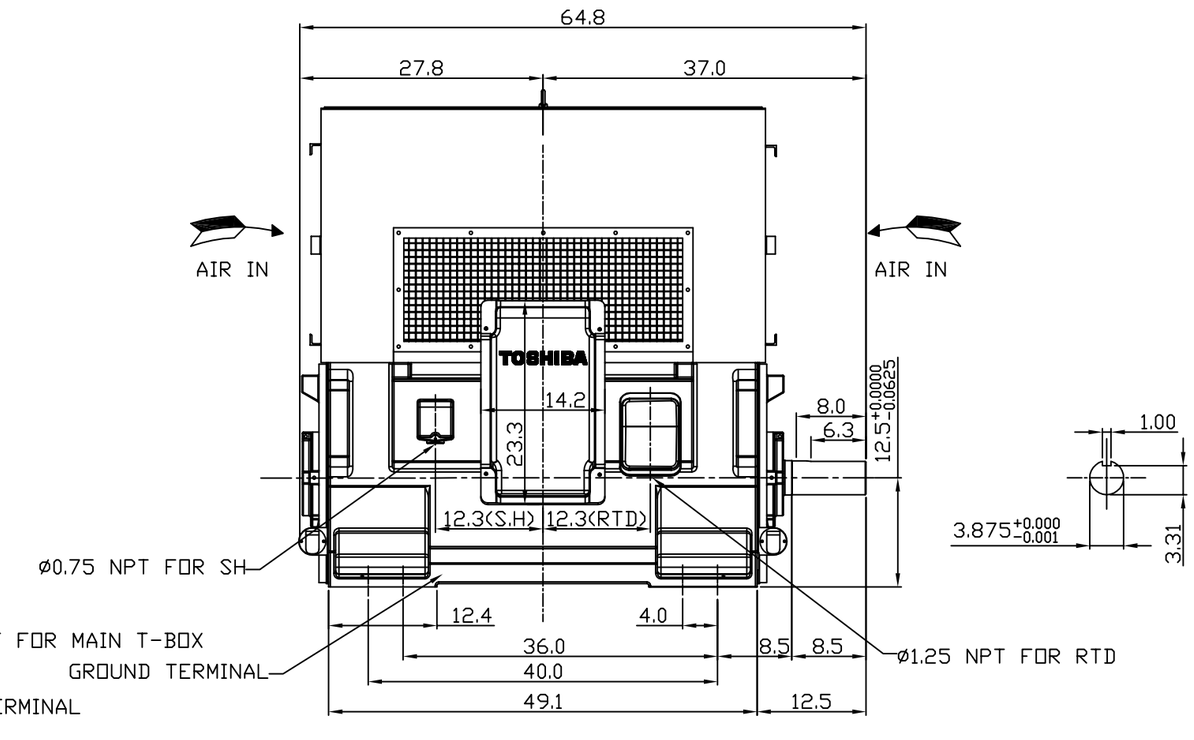

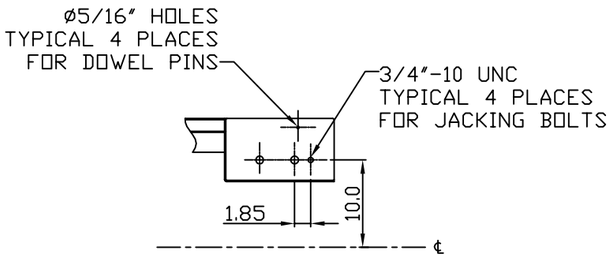

TECHNICAL INFORMATION

1. BEARING LUBRICATION — DE: MOBIL POLYREX EM; ODE: MOBIL POLYREX EM
2. BEARING TYPE — DE: 6321C3; ODE: 6321C3 (INSULATED)
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 BI 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	−
PRODUCTION #	−
UNITS:	INCHES

NO.	REVISION	BY	DATE
1	GRS FROM SRI	RWS	1/2/14
0	FIRST ISSUE	MH	012904

MOTOR OUTLINE FOR THREE PHASE INDUCTION MOTOR

CUSTOMER NAME				P.O. NO.	MOTOR TAG NO.	
OUTPUT HP	POLE	VOLTAGE V	FREQUENCY Hz	FULL LOAD SPEED (min^{-1})	TOSHIBA MODEL NO.	
TYPE	FORM	INS. CLASS F	RATING CONT.	FRAME 5011/12US	S.F.	ENCLOSURE WP−II

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

3rd ANGLE PROJ.	PREPARED BY:	DATE:	CHECKED BY:	DATE:	DRAWING NO.:	REV.
	M.HO	012904	D. HENSLEY	012904	MDSL0087−06	1

Issued Date	4/23/2015	Transmit #	
Issued By	dschoeck	Issued Rev	

TOSHIBA
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TYPICAL MOTOR PERFORMANCE DATA

Model: 5004WTAK11E-C

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
500	373	4	1774	5012US	4000	60	3	65
Enclosure	**IP**	**Ins. Class**	**S.F.**	**Duty**	**NEMA Nom. Eff.**	**NEMA Design**	**kVA Code**	**Ambient (°C)**
WP-II	24	F	1.15	CONT	93.2	B	F	40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	500	372.9	64.0	93.2	90.1
¾ Load	375.00	279.6	49.4	93.4	87.5
½ Load	250.00	186.4	36.0	93.0	80.2
¼ Load	125.00	93.2	25.4	90.4	58.6
No Load			16.5		6.9
Locked Rotor			393.60		29.7

Torque				Rotor wk² Inertia
Full Load (lb-ft)	**Locked Rotor (% FLT)**	**Pull Up (% FLT)**	**Break Down (% FLT)**	**(lb-ft²)**
1480	135	135	275	140.99

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight
Cold	**Hot**		**DE**	**NDE**	**(lbs)**
21.1	9.2	-	6321C3	6321C3 INS	

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

Motor Options:
Product Family:WP-II
Mounting:Footed,Shaft:US Shaft

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values.

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Engineering	bmammen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	7/14/2014	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

Issued Date	4/23/2015	Transmit #	
Issued By	dschoeck	Issued Rev	

TOSHIBA
Leading Innovation >>>

SPEED TORQUE/CURRENT CURVE

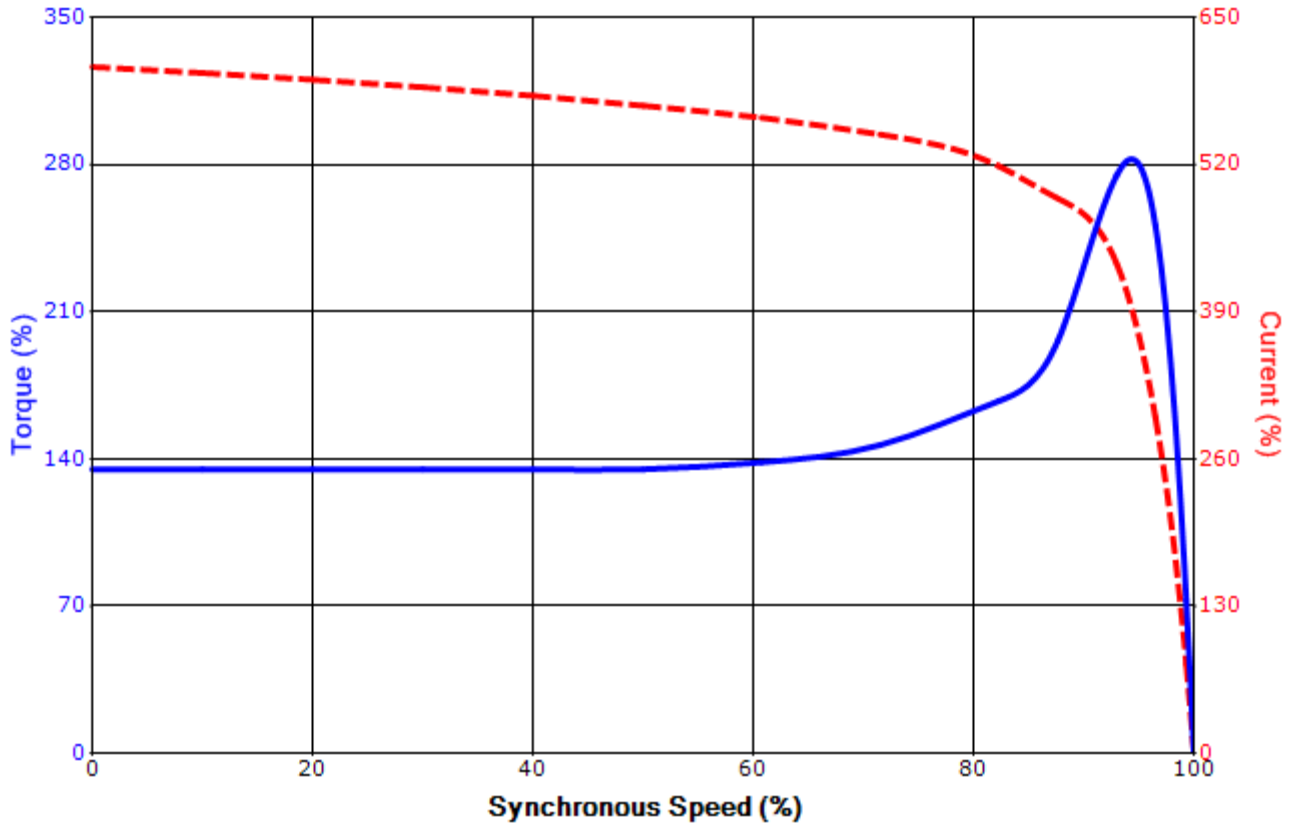
Model: 5004WTAK11E-C

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
500	373	4	1774	5012US	4000	60	3	65

Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
WP-II	24	F	1.15	CONT	93.2	B	F	40 C

Locked Rotor Amps	Rotor wk² Inertia (lb-ft²)	Torque			
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)	Break Down (%)
393.60	140.99	1480	135	135	275

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	7/14/2014	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011