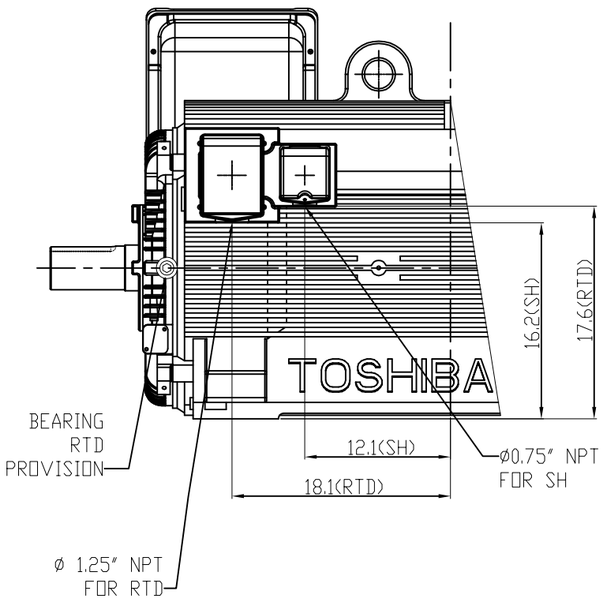
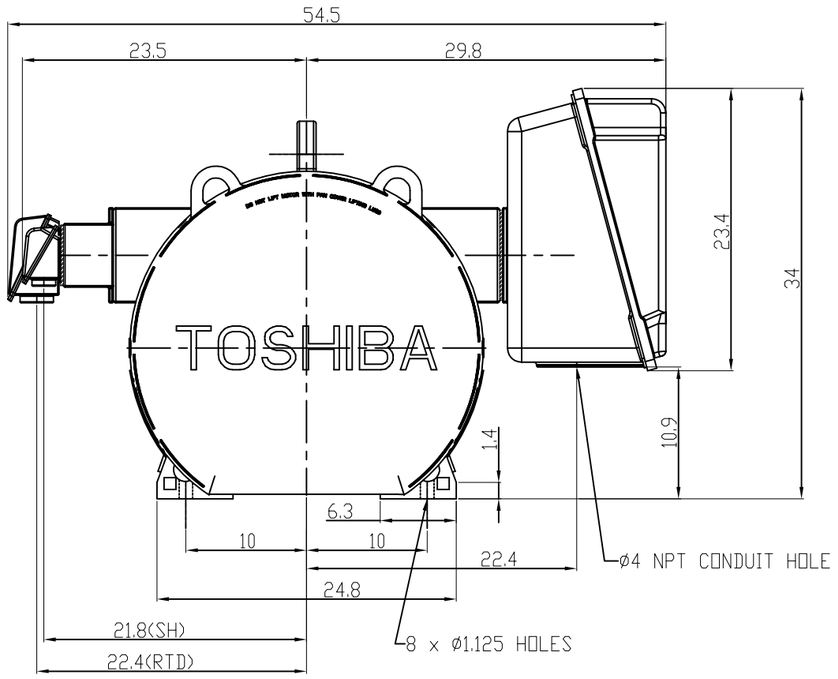
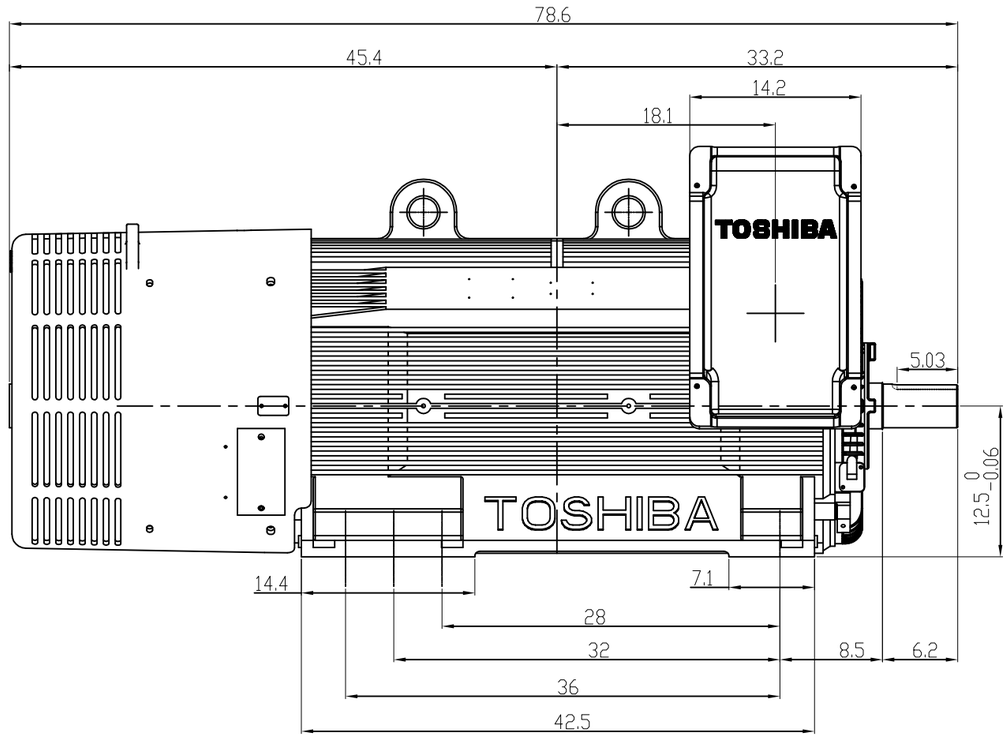
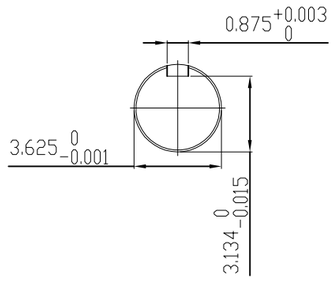
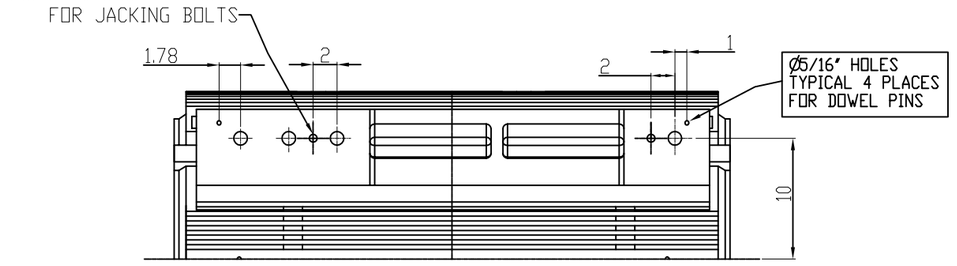










UNITS:INCHES

TECHNICAL INFORMATION

1. BEARING LUBRICATION — DE: MOBIL POLYREX EM; ODE: MOBIL POLYREX EM
2. BEARING TYPE — DE: 6320C3; ODE: 6320C3 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 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	N/A
PRODUCTION #	N/A

NO.	REVISION	BY	DATE
2	GRS FROM SRI, ADD DOWELS JACKING TO INLINE	RWS	1/6/14
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 HP	POLE	VOLTAGE V	FREQUENCY Hz	FULL LOAD SPEED (min^{-1})	TOSHIBA MODEL NO.	
TYPE	FORM	INS. CLASS F	RATING CONT.	FRAME 5011US	S.F.	ENCLOSURE 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	MDSL0071-15	2

Issued Date	2/24/2020	Transmit #	
Issued By	dschoeck	Issued Rev	

TOSHIBA

TYPICAL MOTOR PERFORMANCE DATA

Model: 3506FTAL11E-A

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
350	261	6	1180	5011US	4000	60	3	50.81
Enclosure	**IP**	**Ins. Class**	**S.F.**	**Duty**	**NEMA Nom. Eff.**	**NEMA Design**	**kVA Code**	**Ambient (°C)**
TEFC	44	F	1.15	CONT	94.5	B	G	40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	350	261.0	50.8	94.6	78.4
¾ Load	262.50	195.7	41.1	94.1	73.0
½ Load	175.00	130.5	32.8	92.6	61.9
¼ Load	87.50	65.2	26.9	87.6	39.9
No Load			21.0		3.4
Locked Rotor			284.5		32.2

Torque				Rotor wk² Inertia
Full Load (lb-ft)	**Locked Rotor (% FLT)**	**Pull Up (% FLT)**	**Break Down (% FLT)**	**(lb-ft²)**
1557	195	155	250	203.04

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight
Cold	**Hot**		**DE**	**NDE**	**(lbs)**
12.6	6.2	-	6320C3	6320C3 INS	4697

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

Motor Options:
Product Family:TEFC
Mounting:Footed,Shaft:US Shaft

Customer	
Customer PO	
Sales Order	
Project #	

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-1119 / 1
Engr. Date	7/8/2014	Doc. Approved By	M. Campbell	Doc. Issued	9/20/2019

Issued Date	2/24/2020	Transmit #	
Issued By	dschoeck	Issued Rev	

TOSHIBA

SPEED TORQUE/CURRENT CURVE

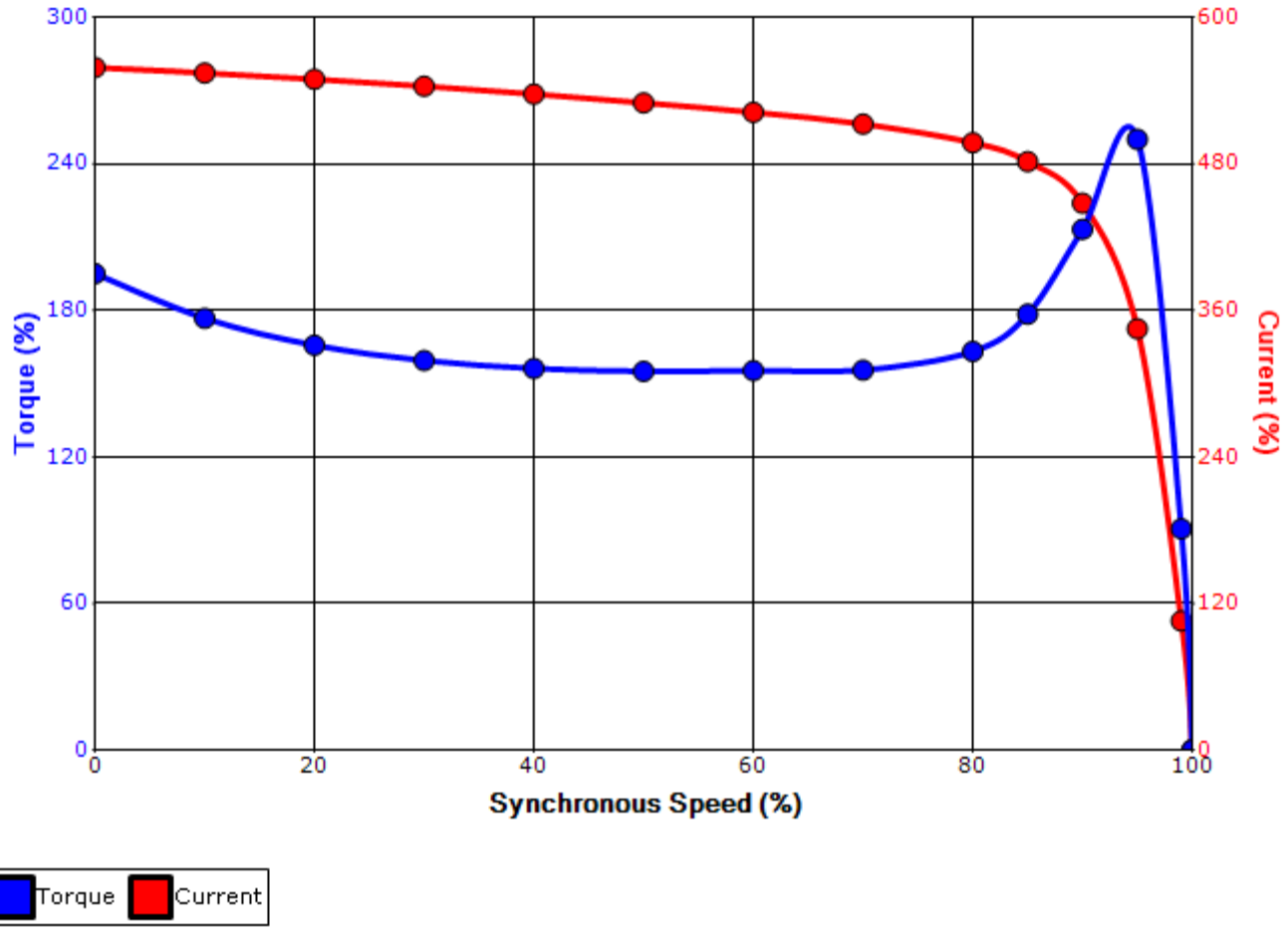
Model: 3506FTAL11E-A

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
350	261	6	1180	5011US	4000	60	3	50.81

Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	44	F	1.15	CONT	94.5	B	G	40 C

Locked Rotor Amps	Rotor wk² Inertia (lb-ft²)	Torque			
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)	Break Down (%)
284.5	203.04	1557	195	155	250

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-1121/1
Engr. Date	7/8/2014	Doc. Approved By	M. Campbell	Doc. Issued	9/20/2019

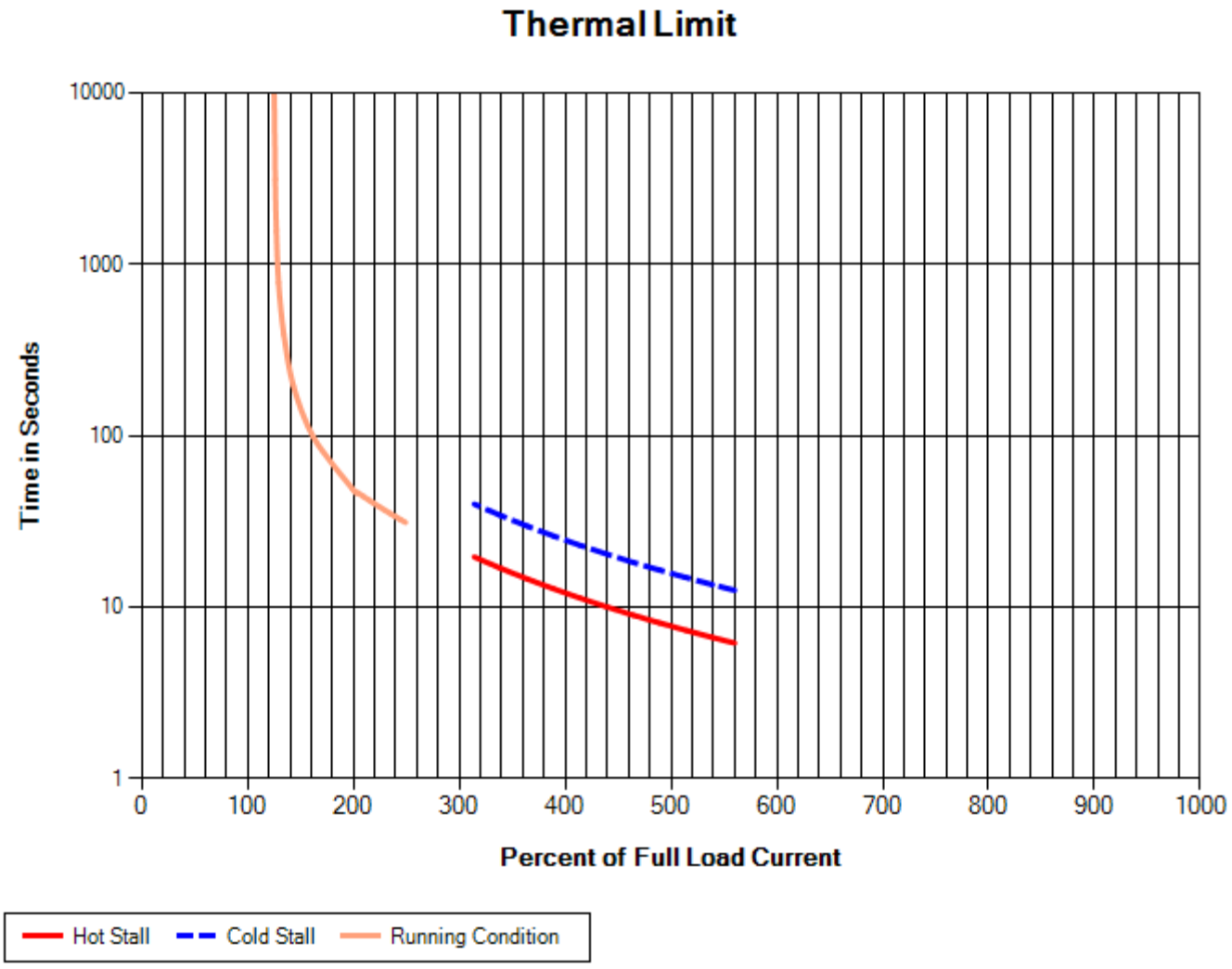
Issued Date	2/24/2020	Transmit #	
Issued By	dschoeck	Issued Rev	

TOSHIBA

THERMAL LIMIT CURVE

Model: 3506FTAL11E-A

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
350	261	6	1180	5011US	4000	60	3	50.81
Enclosure	**IP**	**Ins. Class**	**S.F.**	**Duty**	**NEMA Nom. Eff.**	**NEMA Design**	**kVA Code**	**Ambient (°C)**
TEFC	44	F	1.15	CONT	94.5	B	G	40 C



Customer			**wk² Load Inertia (lb-ft²)**	-
Customer PO			**Load Type**	-
Sales Order			**Voltage (%)**	100
Project #			**Rotor wk² Inertia (lb-ft²)**	203.04

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-1122 / 1
Engr. Date	7/8/2014	**Doc. Approved By**	M. Campbell	**Doc. Issued**	9/20/2011

Issued Date	2/24/2020	Transmit #	
Issued By	dschoeck	Issued Rev	

TOSHIBA

NAMEPLATE DATA

Model: 3506FTAL11E-A

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
350	261	6	1180	5011US	4000	60	3	50.81
Enclosure	**IP**	**Ins. Class**	**S.F.**	**Duty**	**NEMA Nom. Eff.**	**NEMA Design**	**kVA Code**	**Ambient (°C)**
TEFC	44	F	1.15	CONT	94.5	B	G	40 C

Type: TIKK

Form: FCKW4

Drive End Bearing: 6320C3 / 100BC03J3OX

Non-Drive End Bearing: 6320C3 INS / 100BC03M3OX

Power Factor: 78.4

Max Safe RPM: _

Comments 1:

Comments 2:

Comments 3:

Comments 4:

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

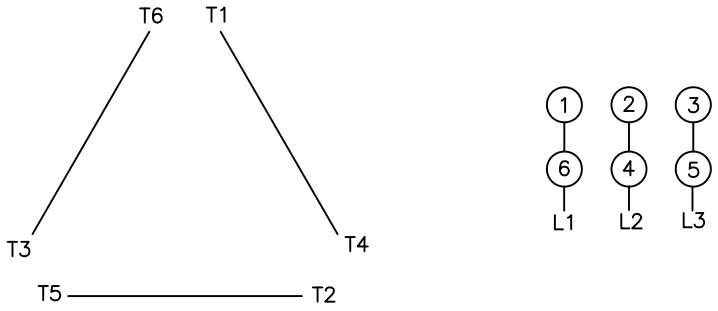
All characteristics are average expected values.

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

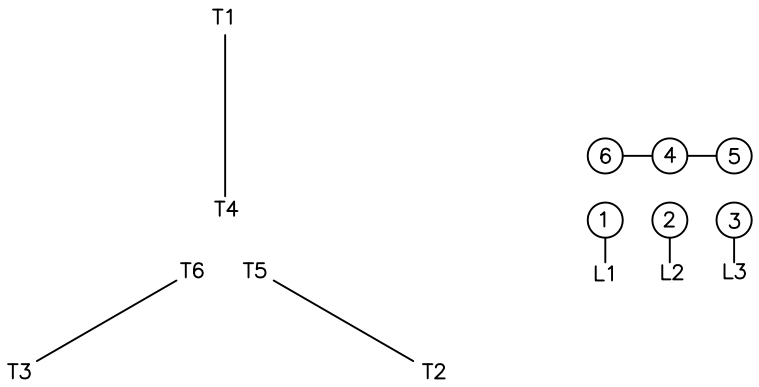
Engineering	bmammen	**Doc. Written By**	D. Suarez	**Doc.# / Rev**	MPCF-1120 /1
Engr. Date	7/8/2014	**Doc. Approved By**	M. Campbell	**Doc. Issued**	9/20/2019

Motor Connection Diagrams
6 Leads

Across the Line Starting / Run - Delta:



Alternate Starting Connection - Wye:



Switch L1 and L2 to reverse rotation

Issued Date	2/24/2020	**Transmit #**	
Issued By	dschoeck	**Issued Rev**	

TOSHIBA

SPARE PARTS LIST*

Model: 3506FTAL11E-A

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
350	261	6	1180	5011US	4000	60	3	50.81
Enclosure	**IP**	**Ins. Class**	**S.F.**	**Duty**	**NEMA Nom. Eff.**	**NEMA Design**	**kVA Code**	**Ambient (°C)**
TEFC	44	F	1.15	CONT	94.5	B	G	40 C

Bearings DE	6320C3 / 100BC03J3OX
Bearings NDE	6320C3 INS / 100BC03M3OX

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

Other than the grease used for regreasable bearings and the oil used for oil-lubricated bearings, Toshiba advises that there are no "use" parts. The only insurance spares that Toshiba suggests for these squirrel-cage induction motors are industry-standard and commercially available off-the-shelf bearings as noted above.

Motor components such as terminal boxes, fan covers and other machined parts are available on special request. In these cases, please advise our order entry department of the model and serial numbers found on the motor nameplate and a description of the needed components. With this information they will be able to furnish the current part number, price and availability.

Note: Our internal part numbers are subject to change without notice and are not published.

Customer	
Customer PO	
Sales Order	
Project #	

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-1125 / 1
Engr. Date	7/8/2014	**Doc. Approved By**	M. Campbell	**Doc. Issued**	9/20/2019