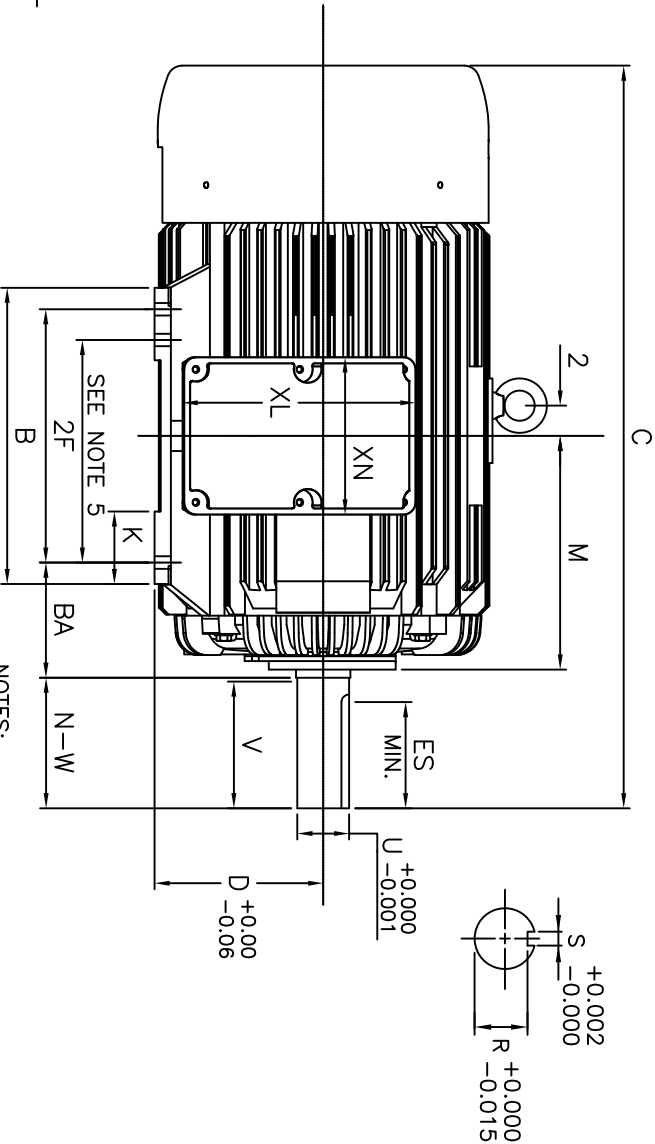
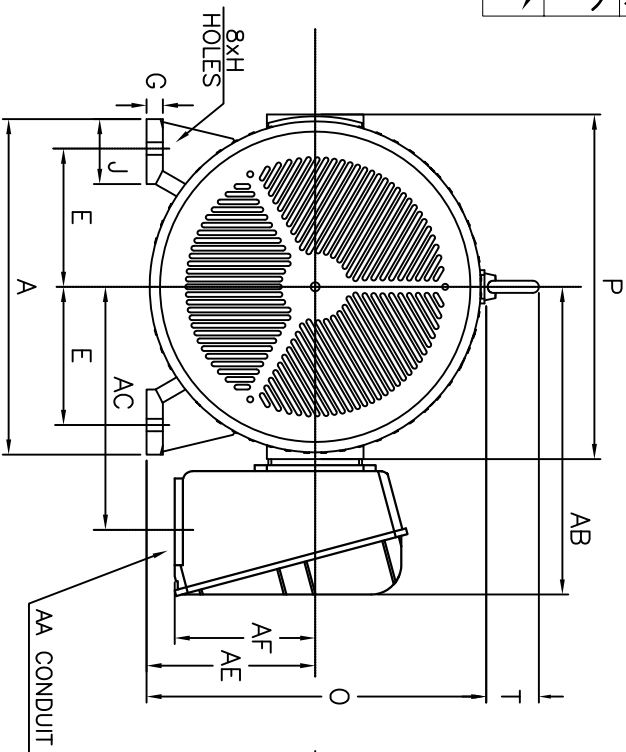
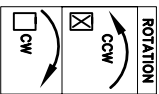




UNITS: INCHES

FRAME SIZE	MOTOR DIMENSIONS											CONDUIT BOX						
	A	B	C	D	G	J	K	M	O	P	T	AA[NPT]	AB	AC	AE	AF	XL	XN
444T/445T	21.9	19.3	48.4	11.00	1.1	4.3	4.8	15.8	22.0	22.4	3.6	3.00	21.5	16.4	11.00	8.7	15.7	11.5

FRAME SIZE	MOUNTING				SHAFT EXTENSION				KEY SEAT				BEARINGS		MAXIMUM WEIGHT
	E	2F	H	BA	N-W	V	U	R	S	ES	LS	OS			
444T/445T	9.00	14.50/16.50	0.81	7.50	8.50	8.25	3.375	2.880	0.875	6.88	NU318C3	6318C3	2000	lbs.	

CUSTOMER: _____ MOTOR MODEL NO.: _____

TAG NO's: _____

P.O. NO.: _____ HP: _____ VOLTAGE: _____ RPM(SYN.): _____ Hz: _____
FRAME SIZE: _____ PRODUCT TYPE: IIEFC EGP III 840 EFF & HIGH EFFICIENCY
COMMENTS: _____

PER: _____ DATE: _____

TOSHIBA RESERVES THE RIGHT TO MAKE CHANGES OF TECHNICAL IMPROVEMENT AND THE DATA MAY CHANGE WITHOUT NOTICE ☒ PRELIMINARY
DO NOT USE FOR CONSTRUCTION, INSTALLATION, OR APPLICATION PURPOSES UNLESS THE DRAWING IS MARKED AS CERTIFIED ☐ CERTIFIED

TOSHIBA
TOSHIBA INTERNATIONAL CORPORATION

TOTALLY-ENCLOSED FAN-COOLED
HORIZONTAL FOOT-MOUNTED
3 PHASE INDUCTION MOTOR
F1 ASSEMBLY

- NOTES:
- DIMENSION V REPRESENTS LENGTH OF STRAIGHT PART OF SHAFT
 - MAIN CONDUIT BOX MAY BE ROTATED IN 90° INCREMENTS
 - KEY DIMENSIONS EQUAL S x S x 6.88 (MOTOR SUPPLIED WITH KEY)
 - MOTOR WEIGHT SHOWN IS MAXIMUM HORSEPOWER IN FRAME
 - THIS DIMENSION EQUALS 2F FOR 444T MOUNTING
 - STANDARD PRODUCT USE BI-DIRECTIONAL FAN. OPPOSITE ROTATION AVAILABLE ONLY BY CONNECTION CHANGE

☒ STANDARD (NO AUX. BOXES)

☐ RTD AUX. BOX

☐ SPACE HEATER AUX. BOX

☐ BEARING RTD's

XT SERIES
VISIT OUR WEBSITE AT:
www.toshiba.com/ind

TYPICAL MOTOR PERFORMANCE DATA

Model: B1504FLF4OSH01

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
150	110	4	1785	445T	575	60	3	141
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	54	F	1.15	CONT	95.8	B	G	40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	150	111.9	140.4	95.7	83.6
¾ Load	112.50	83.9	111.4	95.5	80.7
½ Load	75.00	55.9	84.8	94.8	72.9
¼ Load	37.50	28.0	64.1	89.9	48.7
No Load			46.0		
Locked Rotor			868.00		

Torque				Rotor wk² Inertia (lb-ft²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
441	220	160	260	51.01

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
21.7	8	-	NU318C3	6318C3	

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

Motor Options:

Product Family:EQPIII

Mounting:Footed,Shaft:T Shaft

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values. The declared locked rotor current has a tolerance of 20%.

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

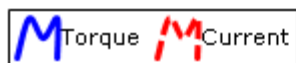
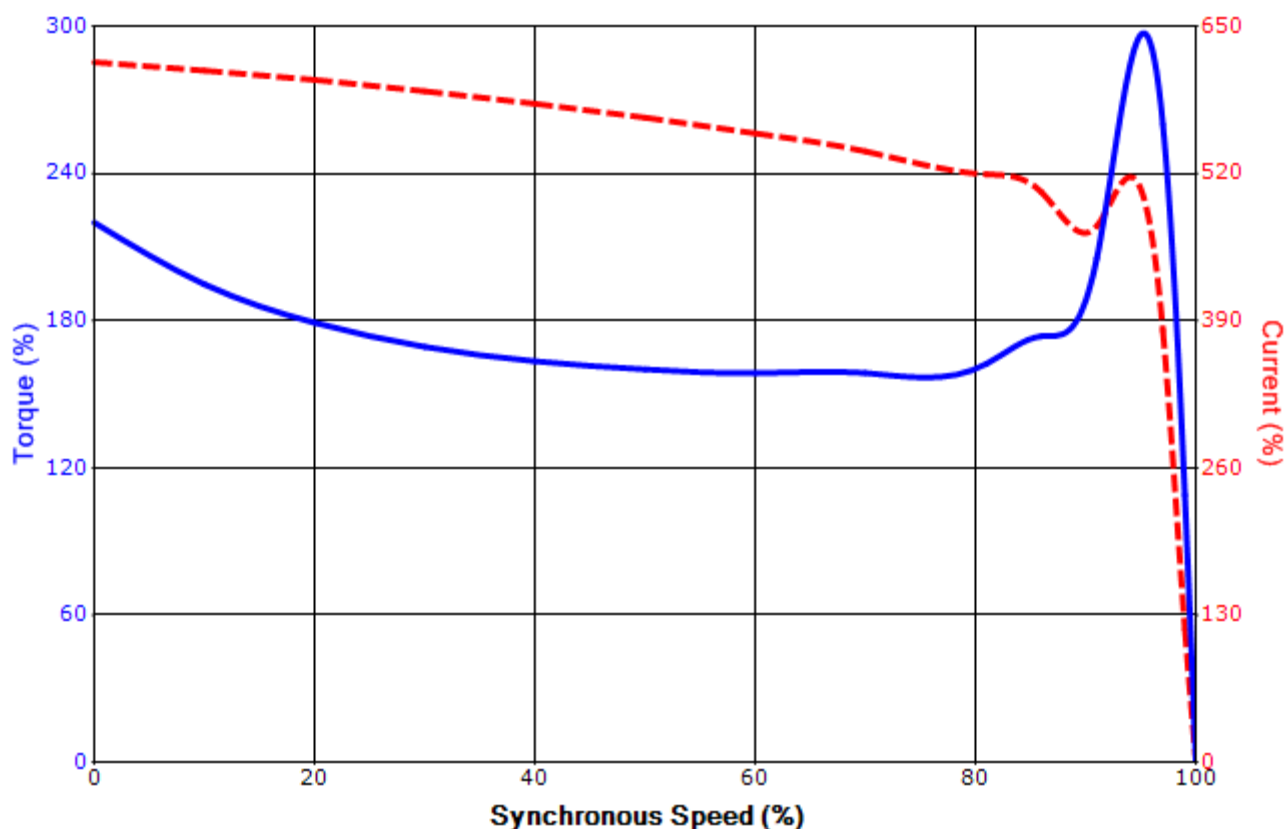
Engineering	amills	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 1
Engr. Date	2/21/2012	Doc. Approved By	M. Campbell	Doc. Issued	7/31/2013

SPEED TORQUE/CURRENT CURVE

Model: B1504FLF4OSH01

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
150	110	4	1785	445T	575	60	3	141
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	54	F	1.15	CONT	95.8	B	G	40 C
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque						
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)		Break Down (%)		
868.00	51.01	441	220	160		260		

Design Values



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

Tag:

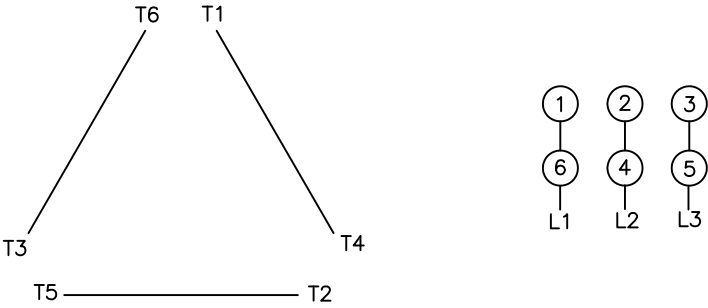
All characteristics are average expected values.

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

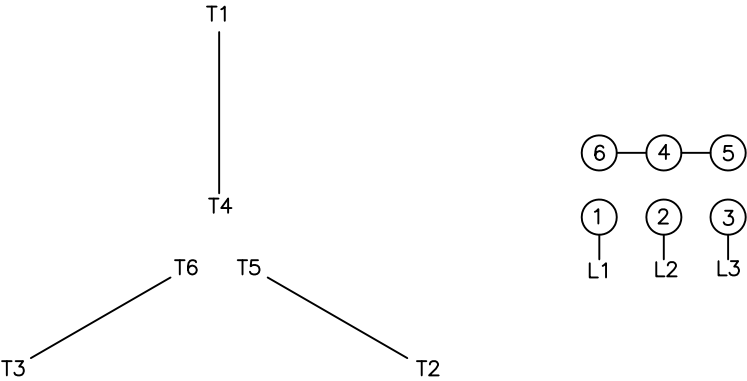
Engineering	amills	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0
Engr. Date	2/21/2012	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

Motor Connection Diagrams
6 Leads

Across the Line Starting / Run - Delta:



Alternate Starting Connection - Wye:



Switch L1 and L2 to reverse rotation

SPARE PARTS LIST*

Model: B1504FLF4OSH01

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
150	110	4	1785	445T	575	60	3	141
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	54	F	1.15	CONT	95.8	B	G	40 C

Bearings DE NU318C3 / 90RU03M3OX

Bearings NDE 6318C3 / 90BC03J3OX

*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	amills	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1125 / 0
Engr. Date	2/21/2012	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011