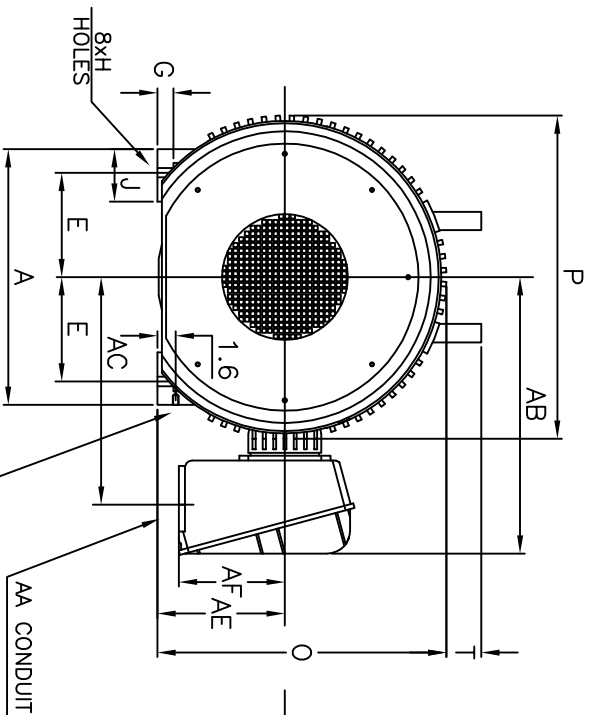


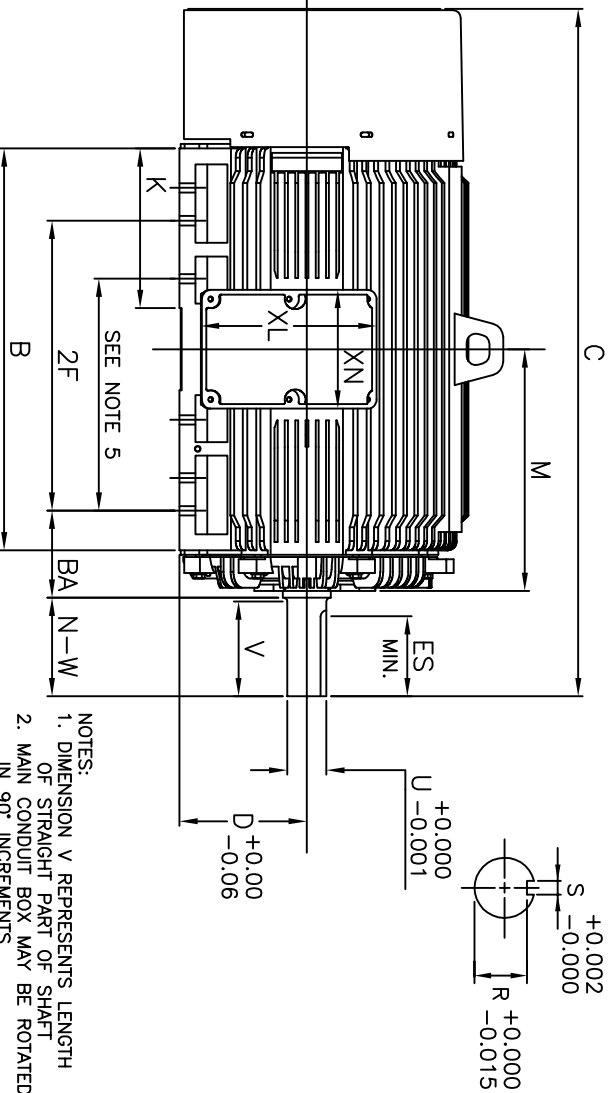
ROTATION

☒ CCW

☐ CW



1/2"-13 UNC GND BOLT
SEE NOTE 7



- NOTES:
1. DIMENSION V REPRESENTS LENGTH OF STRAIGHT PART OF SHAFT
 2. MAIN CONDUIT BOX MAY BE ROTATED IN 90° INCREMENTS
 3. KEY DIMENSIONS EQUAL S x S x 6.91 (MOTOR SUPPLIED WITH KEY)
 4. MOTOR WEIGHT SHOWN IS MAXIMUM HORSEPOWER IN FRAME
 5. THIS DIMENSION EQUALS 2F FOR N447T MOUNTING
 6. STANDARD PRODUCT USE BI-DIRECTIONAL FAN. OPPOSITE ROTATION AVAILABLE ONLY BY CONNECTION CHANGE
 7. FRAME GROUND BOLT STANDARD ON 841 PRODUCT

FRAME SIZE		MOTOR DIMENSIONS										CONDUIT BOX							
A	B	C	D	G	J	K	M	O	P	T	A _{MIN} T ₁	AB	AC	AE	AF	XL	XN		
N447T/N449T	22.0	34.7	59.3	11.00	1.4	4.6	13.8	20.9	25.0	27.0	3.0	4.00	24.0	19.7	11.00	9.2	15.2	10.2	
N447TS/N449TS	22.0	34.7	55.6	11.00	1.4	4.6	13.8	20.9	25.0	27.0	3.0	4.00	24.0	19.7	11.00	9.2	15.2	10.2	
FRAME SIZE		MOUNTING				SHAFT EXTENSION				KEY SEAT				BEARINGS					
E	2F	H	BA	N-W	V	U	R	S	ES	LS ROLLER	LS BALL 6P	LS BALL 4P	OS 4~8P	LS BALL 2P	OS 2P				
N447T/N449T	9.00	20.00/25.00	0.82	7.50	8.50	8.25	3.375	2.880	0.875	6.88	NU322C3	6322C3	6318C3	6318C3	6313C3	6313C3	6313C3	6313C3	3800 lbs.
N447TS/N449TS	9.00	20.00/25.00	0.82	7.50	4.75	4.50	2.375	2.021	0.625	3.00	-	6318C3	6318C3	6318C3	6313C3	6313C3	6313C3	6313C3	

CUSTOMER: _____ MOTOR MODEL NO.: _____ TAG NO's.: _____

P.O. NO.: _____ HP: _____ VOLTAGE: _____ RPM(SYN): _____ Hz: _____

FRAME SIZE: _____ PRODUCT TYPE: ITEC EGP III 840

COMMENTS: _____

PER: _____ DATE: _____

- ☒ STANDARD (NO AUX. BOXES)
- ☐ RTD AUX. BOX
- ☐ SPACE HEATER AUX. BOX
- ☐ BEARING RTD's

TOSHIBA RESERVES THE RIGHT TO MAKE CHANGES OF TECHNICAL IMPROVEMENT AND THE DATA MAY CHANGE WITHOUT NOTICE

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☒ CERTIFIED ☐ PRELIMINARY

TOSHIBA

TOTALLY-ENCLOSED FAN-COOLED

HORIZONTAL FOOT-MOUNTED

3 PHASE INDUCTION MOTOR

F1 ASSEMBLY

TOSHIBA INTERNATIONAL CORPORATION

XT SERIES

VISIT OUR WEBSITE AT:

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TYPICAL MOTOR PERFORMANCE DATA

Model: B2504FLF4OMHDL

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
250	186	4	1780	N449T	575	60	3	220
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	56	F	1.15	CONT	96.2	B	G	40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	250	186.4	220.0	96.3	88.3
¾ Load	187.50	139.8	167.3	95.6	87.8
½ Load	125.00	93.2	117.1	94.1	85.0
¼ Load	62.50	46.6	72.0	90.2	72.1
No Load			48.0		
Locked Rotor			1460.00		

Torque				Rotor wk² Inertia (lb-ft²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
738	190	150	235	149.34

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
26.3	12.4	-	6318C3	NU318C3	

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

Motor Options:

Product Family:EQPIII 840
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%.

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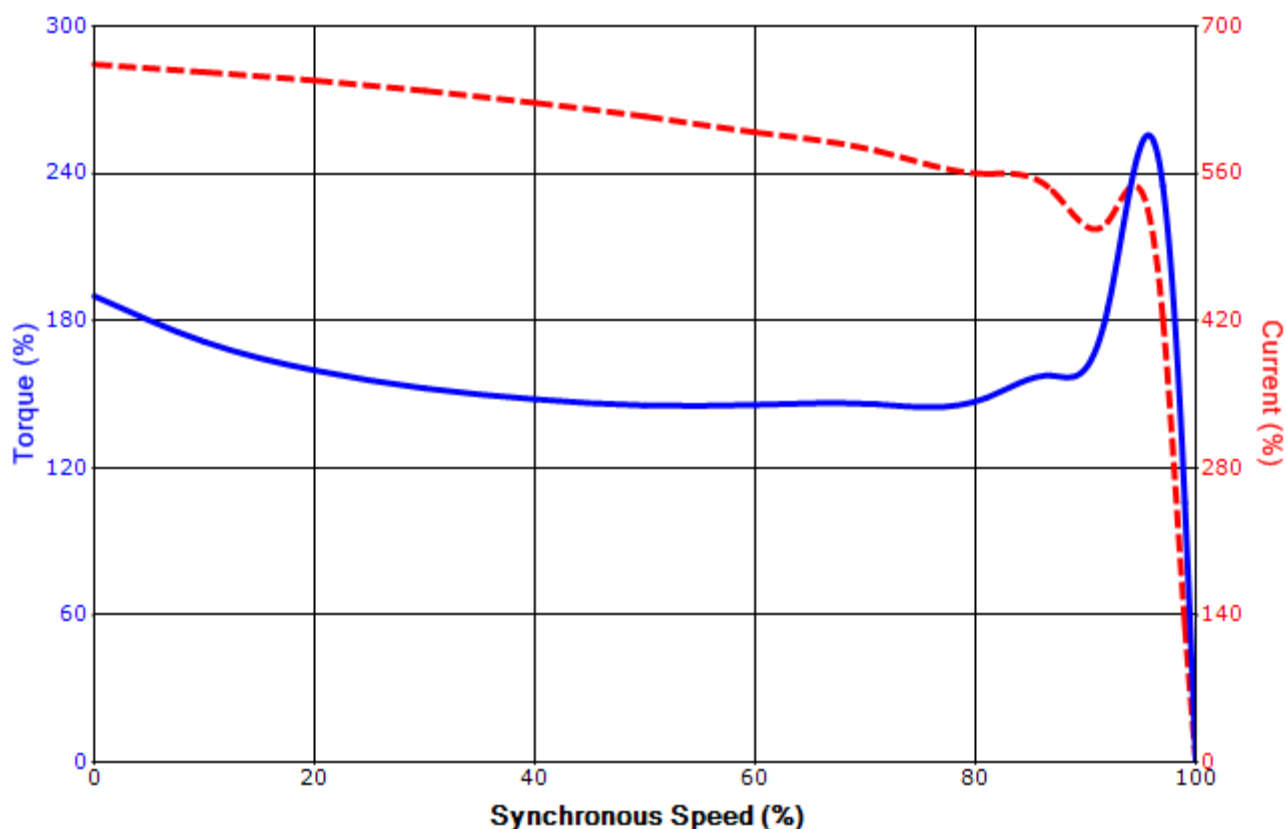
Engineering	amills	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 1
Engr. Date	2/21/2012	Doc. Approved By	M. Campbell	Doc. Issued	7/31/2013

SPEED TORQUE/CURRENT CURVE

Model: B2504FLF4OMHDL

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
250	186	4	1780	N449T	575	60	3	220
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	56	F	1.15	CONT	96.2	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 (%)		
1460.00	149.34	738	190	150		235		

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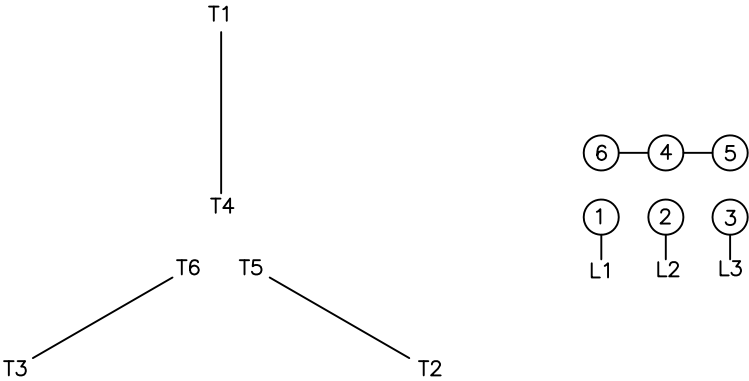
Engineering	amills	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0
Engr. Date	2/21/2012	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

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: B2504FLF4OMHDL

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
250	186	4	1780	N449T	575	60	3	220
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	56	F	1.15	CONT	96.2	B	G	40 C

Bearings DE 6318C3 / 90BC03J3OX

Bearings NDE NU318C3 / 90RU03M3OX

*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.

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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