

UNITS: INCHES

FRAME SIZE	MOTOR DIMENSIONS										CONDUIT BOX									
	A	B	C	D	G	J	K	M	O	P	T	AA	AB	AC	AE	AF	XL	XN		
447T	22.1	19.3	43.2	11.00	1.2	4.4	4.8	17.3	22.5	22.0	3.6	3.00	21.6	16.5	14.2	8.7	15.7	11.5		
447TZ	22.1	19.3	44.9	11.00	1.2	4.4	4.8	17.3	22.5	22.0	3.6	3.00	21.6	16.5	14.2	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									
447T	9.00	20.00	0.81	7.50	8.50	8.25	3.375	2.880	0.875	6.88	NU318C3	6318C3	1980	lbs.						
447TZ	9.00	20.00	0.81	7.50	10.125	9.875	3.375	2.880	0.875	8.50	NU318C3	6318C3	1980	lbs.						

- 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 FOR T AND S x S x 8.50 FOR TZ (MOTOR SUPPLIED WITH KEY)
 - MOTOR WEIGHT SHOWN IS MAXIMUM HORSEPOWER IN FRAME
 - OPPOSITE ROTATION AVAILABLE ONLY BY CONNECTION CHANGE

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

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

FRAME SIZE: _____ PRODUCT TYPE: ODP EQP III, EPACT, & HIGH EFFICIENCY

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 PRELIMINARY

DO NOT USE FOR CONSTRUCTION, INSTALLATION, OR APPLICATION PURPOSES UNLESS THE DRAWING IS MARKED AS CERTIFIED CERTIFIED

TOSHIBA

OPEN DRIP-PROOF
HORIZONTAL FOOT-MOUNTED
3 PHASE INDUCTION MOTOR
F1 ASSEMBLY

TOSHIBA INTERNATIONAL CORPORATION

XT SERIES

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TYPICAL MOTOR PERFORMANCE DATA

Model: B2504VLF4BMH

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
250	186	4	1783	447T	575	60	3	217
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
ODP	22	F	1.15	CONT	96.5	B	G	40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	250	186.4	217.0	96.4	89.8
¾ Load	187.50	139.8	165.8	96.5	88.6
½ Load	125.00	93.2	117.7	96.5	84.0
¼ Load	62.50	46.6	76.3	92.2	66.5
No Load			47.0		4.1
Locked Rotor			1460.00		33.6

Torque				Rotor wk ² Inertia (lb-ft ²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
736	185	180	285	80.07

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
18	8	-	NU318C3	6318C3	

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

Motor Options:
Product Family:EQPIII ODP
Mounting:Footed,Shaft:T Shaft

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values.

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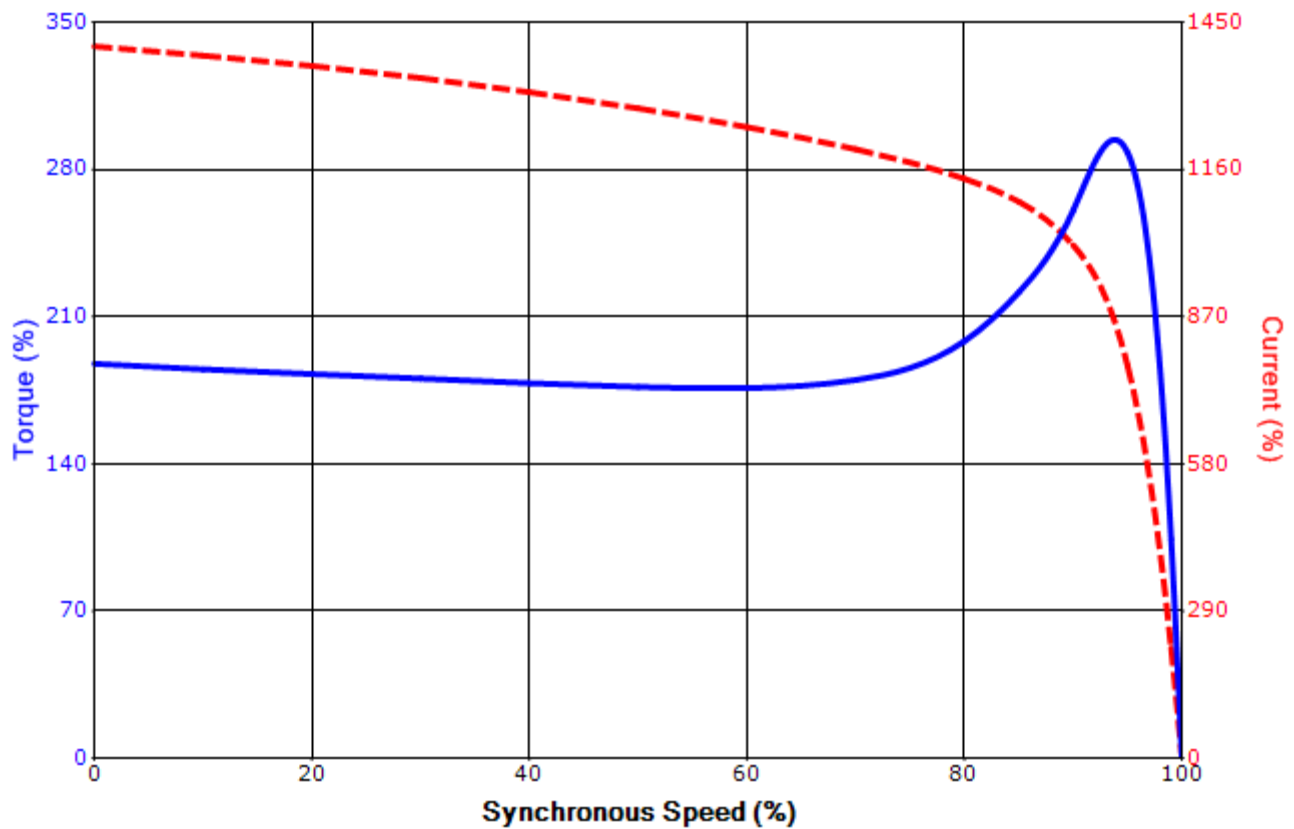
Engineering	aacosta	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	5/22/2012	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

SPEED TORQUE/CURRENT CURVE

Model: B2504VLF4BMH

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
250	186	4	1783	447T	575	60	3	217
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
ODP	22	F	1.15	CONT	96.5	B	G	40 C
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque						Break Down (%)
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)				
1460.00	80.07	736	185	180			285	

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	aacosta	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0
Engr. Date	5/22/2012	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

Motor Connection Diagrams
12 Leads

Across-the-Line Starting / Running Connections

Low Voltage Delta



High Voltage Delta



Switch L1 and L2 to reverse rotation

Suitable for Wye-Delta Starting and Limited Part-Winding-Starting.
Please Contact Toshiba International for specific connections.