

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
444T	22.1	17.4	37.8	11.00	0.9	4.4	4.8	14.6	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	ZF	H	BA	N-W	V	U	R	S	ES	LS	OS	ES	NU318C3	6318C3	1490 lbs.	
444T	9.00	14.50	0.81	7.50	8.50	8.25	3.375	2.880	0.875	6.88	NU318C3	6318C3	1490 lbs.				

- 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 6.88 (MOTOR SUPPLIED WITH KEY)
  4. MOTOR WEIGHT SHOWN IS MAXIMUM HORSEPOWER IN FRAME
  5. 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: B1006VLF4USH

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
100	75	6	1188	444T	230/460	60	3	242/121
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
ODP	22	F	1.15	CONT	95.4	B	F	40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	100	74.6	121.0	95.5	81.1
¾ Load	75.00	55.9	93.9	95.9	77.9
½ Load	50.00	37.3	70.1	95.5	70.0
¼ Load	25.00	18.6	51.3	89.2	51.1
No Load			41.0		3.0
Locked Rotor			700.00		30.8

Torque				Rotor wk <sup>2</sup>
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	Inertia (lb-ft <sup>2</sup> )
442	185	150	250	64.11

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
32	15	-	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.

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

Engineering	aacosta	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	5/18/2012	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

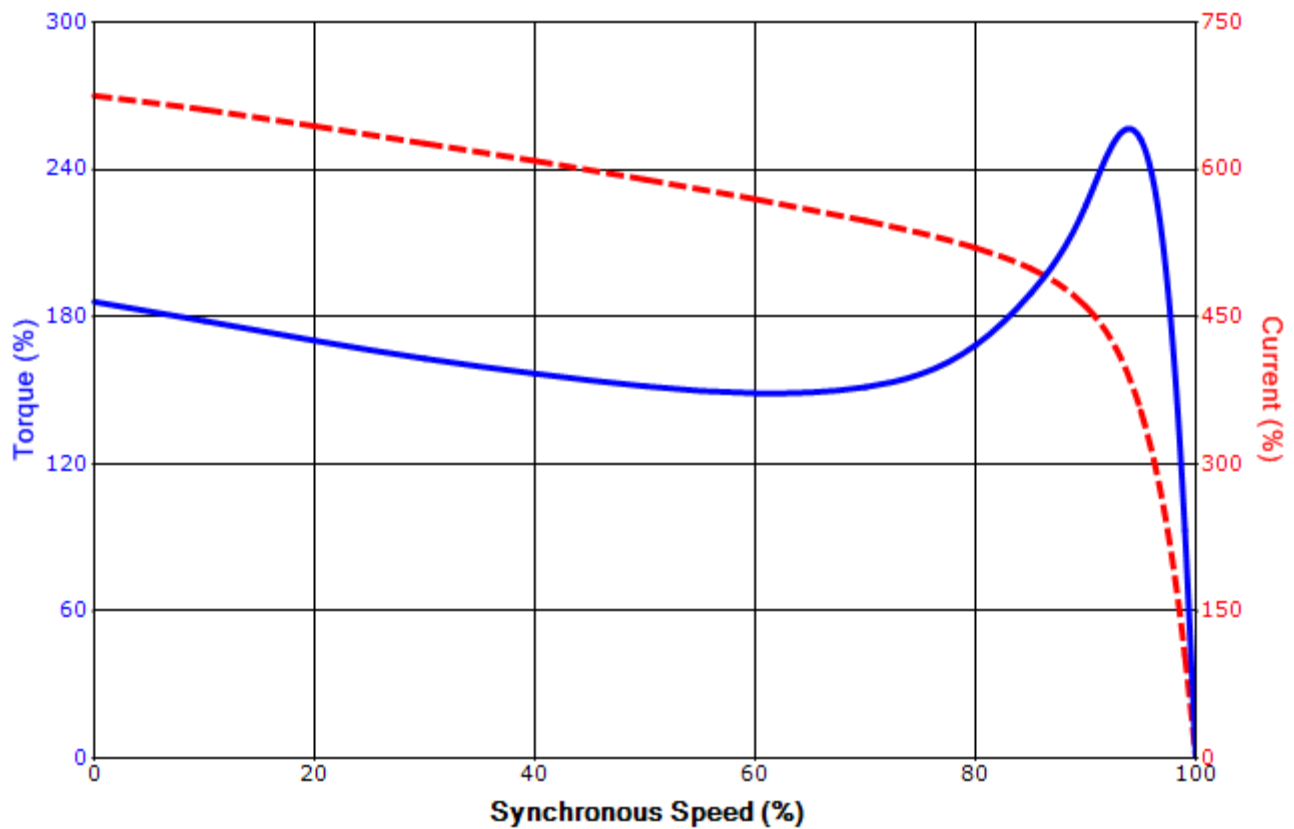
Issued Date	4/23/2015	Transmit #	
Issued By	dschoeck	Issued Rev	

**SPEED TORQUE/CURRENT CURVE**

Model: B1006VLF4USH

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
100	75	6	1188	444T	230/460	60	3	242/121
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
ODP	22	F	1.15	CONT	95.4	B	F	40 C
Locked Rotor Amps	Rotor wk <sup>2</sup> Inertia (lb-ft <sup>2</sup> )	Torque						Break Down (%)
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)				
700.00	64.11	442	185	150			250	

**Design Values**



Customer		wk <sup>2</sup> Load Inertia (lb-ft <sup>2</sup> )	-
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.**

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**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.