

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		
445T	22.1	19.3	39.8	11.00	1.2	4.4	4.8	15.6	22.5	22.0	3.6	3.00	21.6	16.5	14.2	8.7	15.7	11.5		
445TZ	22.1	19.3	41.4	11.00	1.2	4.4	4.8	15.6	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	2F	H	BA	N-W	V	U	R	S	ES	LS	OS									
445T	9.00	16.50	0.81	7.50	8.50	8.25	3.375	2.880	0.875	6.88	NU318C3	6318C3	1620	lbs.						
445TZ	9.00	16.50	0.81	7.50	10.125	9.875	3.375	2.880	0.875	8.50	NU318C3	6318C3	1620	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 FOR T AND S x S x 8.50 FOR TZ (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

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

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Issued Date	9/24/2019	Transmit #	
Issued By	dschoeck	Issued Rev	

TYPICAL MOTOR PERFORMANCE DATA

Model: B1506VLF4OSH

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
150	110	6	1190	445TZ	575	60	3	143
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
ODP	22	F	1.15	CONT	95.8	B	G	40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	150	111.9	143.2	95.7	82.0
¾ Load	112.50	83.9	112.3	95.8	80.0
½ Load	75.00	55.9	83.3	95.6	73.0
¼ Load	37.50	28.0	60.2	90.8	51.3
No Load			44.8		3.5
Locked Rotor			868		33.1

Torque				Rotor wk ² Inertia (lb-ft ²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
663	175	140	235	78.04

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
18	8	-	NU318C3	6318C3	1617

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

Motor Options:

Product Family:ODP
Mounting:Footed,Shaft:TZ Special 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 / 1
Engr. Date	5/24/2012	Doc. Approved By	M. Campbell	Doc. Issued	9/20/2019



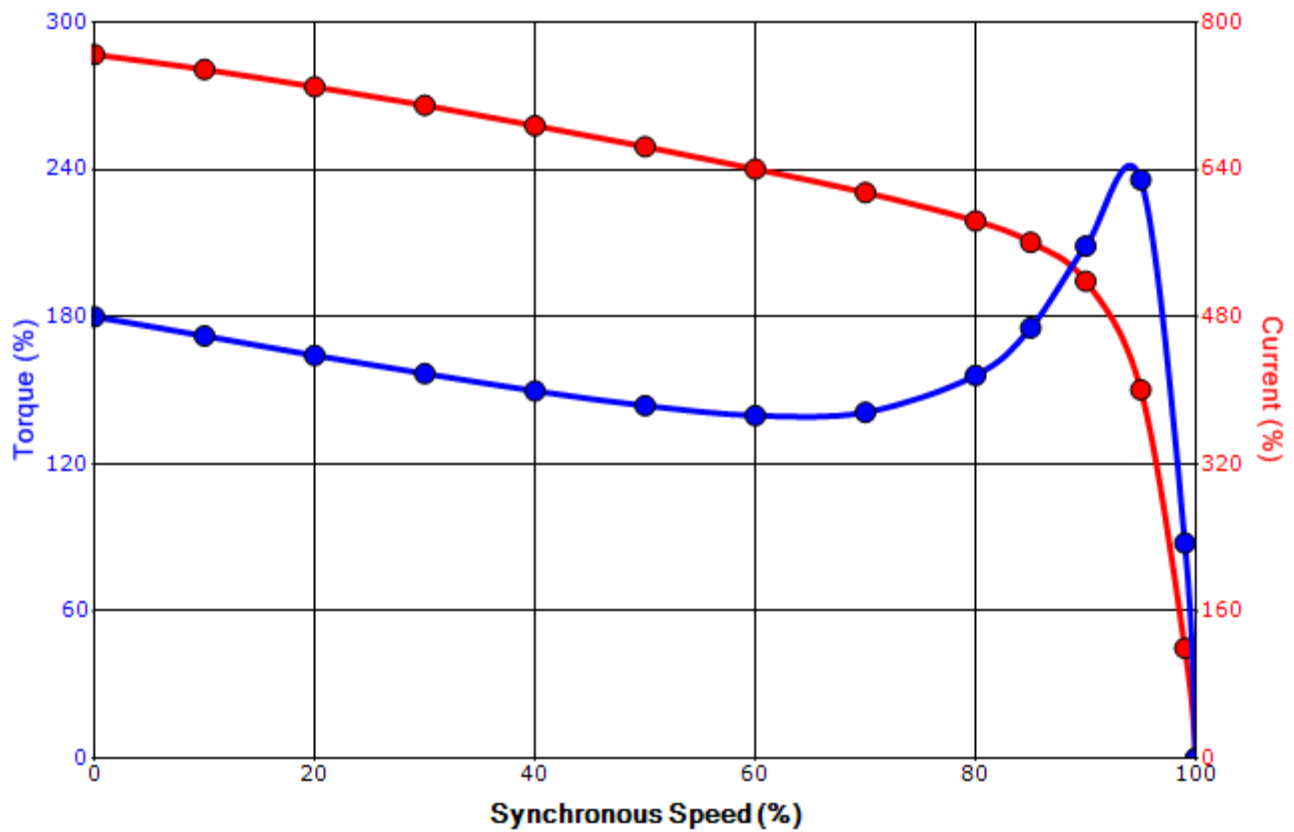
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SPEED TORQUE/CURRENT CURVE

Model: B1506VLF4OSH

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
150	110	6	1190	445TZ	575	60	3	143
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
ODP	22	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	78.04	663	175	140	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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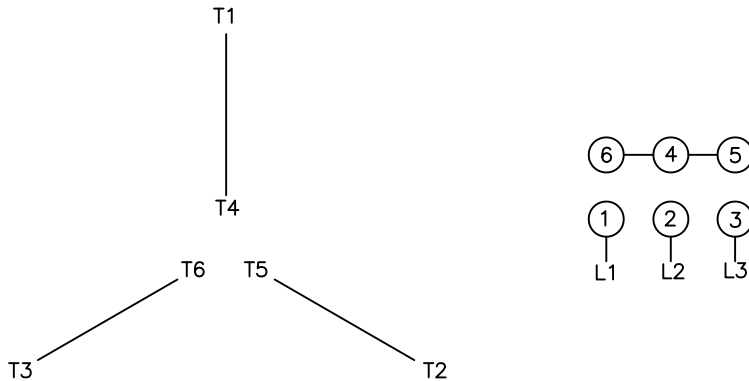
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Motor Connection Diagrams
6 Leads

Across the Line Starting / Run - Delta:



Alternate Starting Connection - Wye:



Switch L1 and L2 to reverse rotation