

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	
447TS	22.1	22.8	39.5	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
447TS	E	2F	H	BA	N-W	V	U	R	S	ES	LS	OS					1700 lbs.		
	9.00	20.00	0.81	7.50	4.75	4.50	2.375	2.021	0.625	3.00	6313C3	6313C3							

- 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 3.00 (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

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

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

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TYPICAL MOTOR PERFORMANCE DATA

Model: B3502VLG3BMH

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
350	261	2	3574	447TS	460	60	3	378
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
ODP	22	F	1.15	CONT	96.2	B	G	40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	350	261.0	378.0	96.2	89.9
¾ Load	262.50	195.7	291.1	96.3	88.2
½ Load	175.00	130.5	208.7	95.9	83.2
¼ Load	87.50	65.2	138.0	90.6	65.5
No Load			93.0		5.4
Locked Rotor			2550.00		32.6

Torque				Rotor wk ² Inertia (lb-ft ²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
514	235	170	350	53.23

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
32	15	-	6313C3	6313C3	

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

Motor Options:
Product Family:EQPIII ODP
Mounting:Footed,Shaft:TS 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	5/16/2012	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

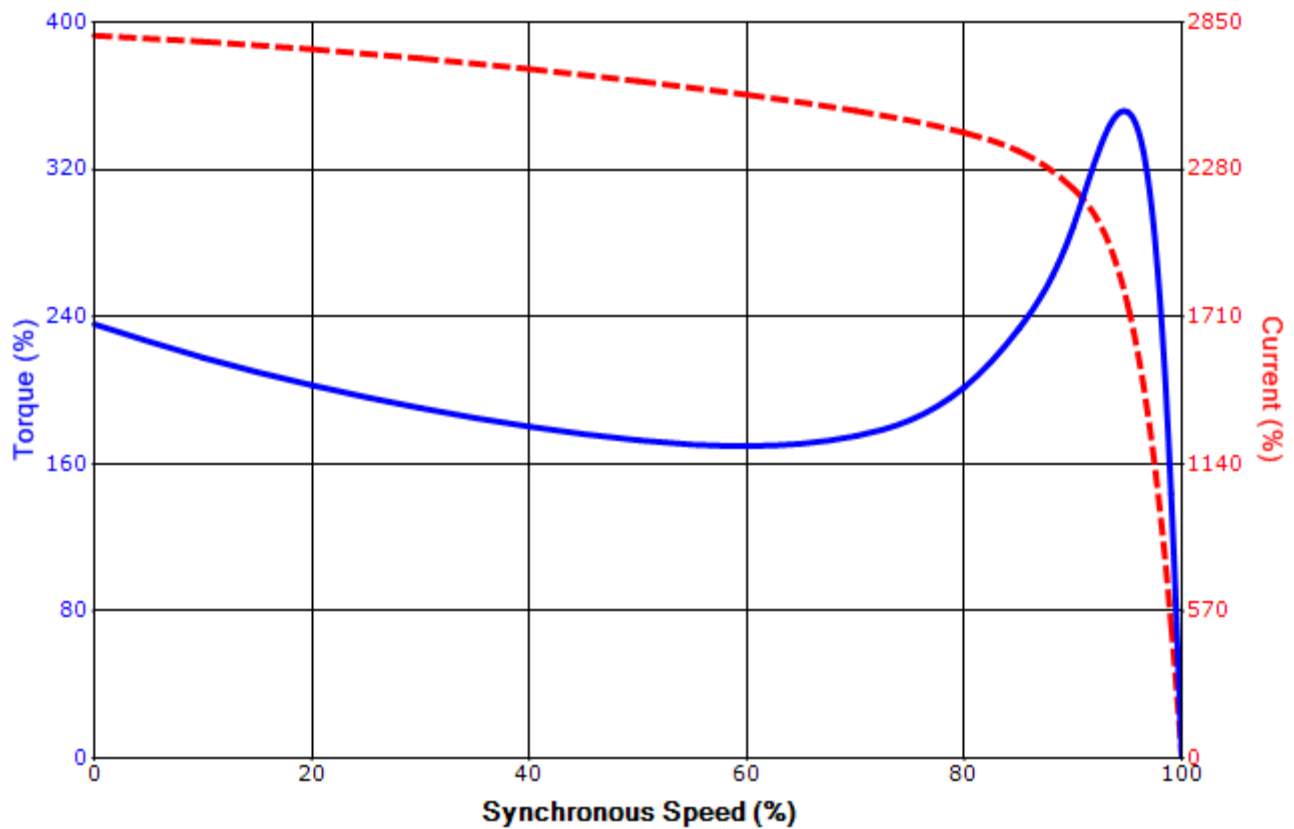
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Issued By	dschoeck	Issued Rev	

SPEED TORQUE/CURRENT CURVE

Model: B3502VLG3BMH

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
350	261	2	3574	447TS	460	60	3	378
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
ODP	22	F	1.15	CONT	96.2	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 (%)			
2550.00	53.23	514	235		170		350	

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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Motor Connection Diagrams
6 Leads

Across the Line Starting / Run - Delta:



Alternate Starting Connection - Wye:



Switch L1 and L2 to reverse rotation