

UNITS: INCHES

FRAME SIZE	MOTOR DIMENSIONS										CONDUIT BOX												
	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	T	AA	AB	AC	AE	AF	XL	XN
447TS	22.1	22.8	39.5	11.00	1.2	4.4	4.4	4.8	17.3	22.5	22.0	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											
	9.00	20.00	0.81	7.50	4.75	4.50	2.375	2.021	0.625	3.00	6313C3	6313C3	1700	lbs.									

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: _____

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

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

- 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

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

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TYPICAL MOTOR PERFORMANCE DATA

Model: B3002VLG3OMH

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
300	224	2	3574	447TS	575	60	3	260
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	300	223.7	260.0	96.1	90.1
¾ Load	225.00	167.8	203.0	96.3	88.5
½ Load	150.00	111.9	147.5	96.0	83.5
¼ Load	75.00	55.9	101.0	89.6	62.0
No Load			64.0		6.7
Locked Rotor			1760.00		28.4

Torque				Rotor wk ²
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	Inertia (lb-ft ²)
441	240	180	360	47.77

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

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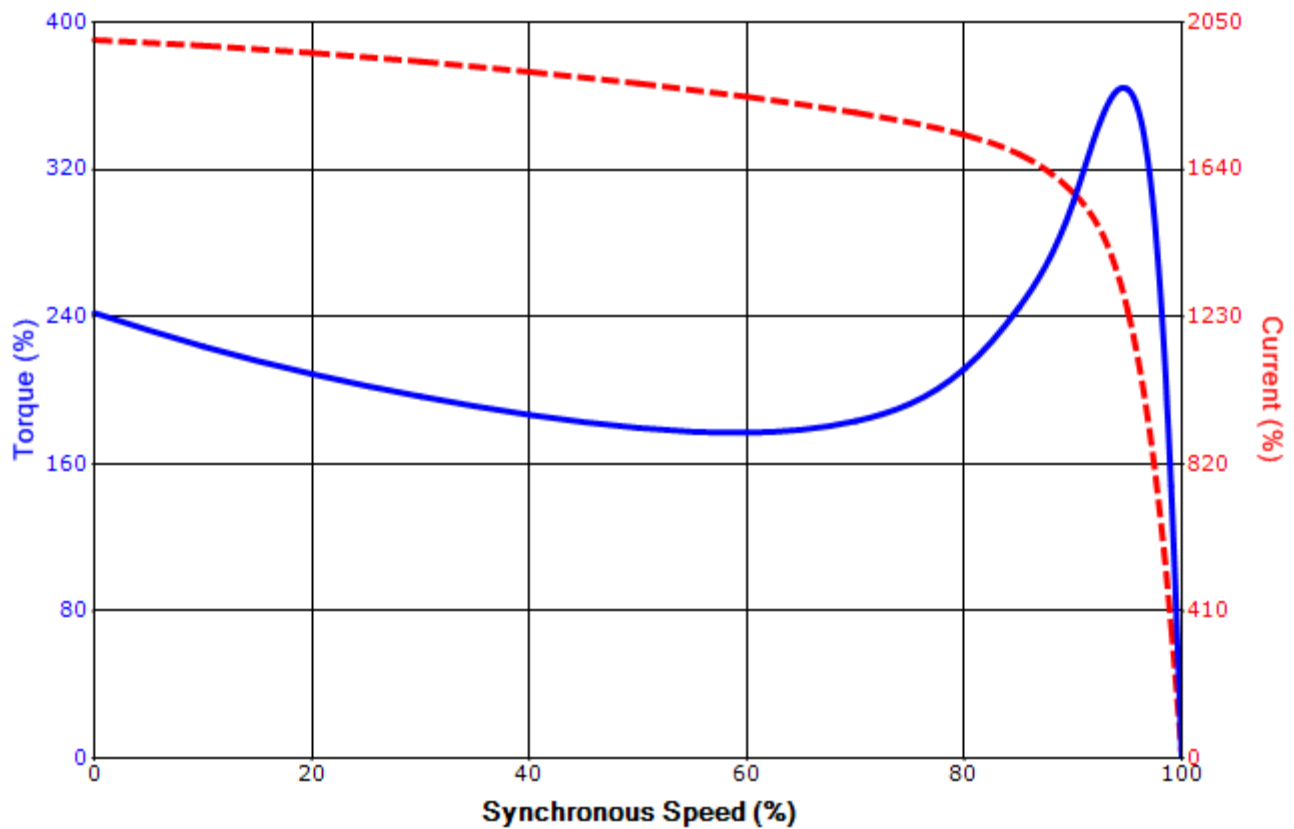
Engineering	aacosta	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	5/21/2012	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

SPEED TORQUE/CURRENT CURVE

Model: B3002VLG3OMH

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
300	224	2	3574	447TS	575	60	3	260
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 (%)				
1760.00	47.77	441	240	180			360	

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
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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