

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
405TS	20.3	16.5	34.1	10.00	1.2	4.0	4.1	13.4	20.3	20.3	2.8	3.00	20.2	15.1	13.0	8.7	15.7	11.5
405T	20.3	16.5	37.1	10.00	1.2	4.0	4.1	13.4	20.3	20.3	2.8	3.00	20.2	15.1	13.0	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	
405TS	8.00	13.75	0.81	6.62	4.25	4.00	2.125	1.845	0.500	2.75	6313C3	6313C3	1180 lbs.
405T	8.00	13.75	0.81	6.62	7.25	7.00	2.875	2.450	0.750	5.62	6317C3	6313C3	1180 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 5.62 FOR T AND S x S x 2.75 FOR TS (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 EDP III, EPACT, & HIGH EFFICIENCY
COMMENTS: _____

PER: _____ DATE: _____

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

XT SERIES
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Issued Date 9/24/2019

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TYPICAL MOTOR PERFORMANCE DATA

Model: B0756VLF3USH

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
75	55	6	1190	405T	230/460	60	3	180/90
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	75	55.9	90.0	95.7	81.1
¾ Load	56.25	41.9	71.8	95.9	78.0
½ Load	37.50	28.0	53.7	95.6	70.3
¼ Load	18.75	14.0	39.4	89.9	49.5
No Load			30.0		3.1
Locked Rotor			515		30.2

Torque				Rotor wk² Inertia (lb-ft²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
332	180	150	235	42.50

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
32	15	-	6317C3	6313C3	1221

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

Motor Options:

Product Family: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 / 1
Engr. Date	5/18/2012	Doc. Approved By	M. Campbell	Doc. Issued	9/20/2019

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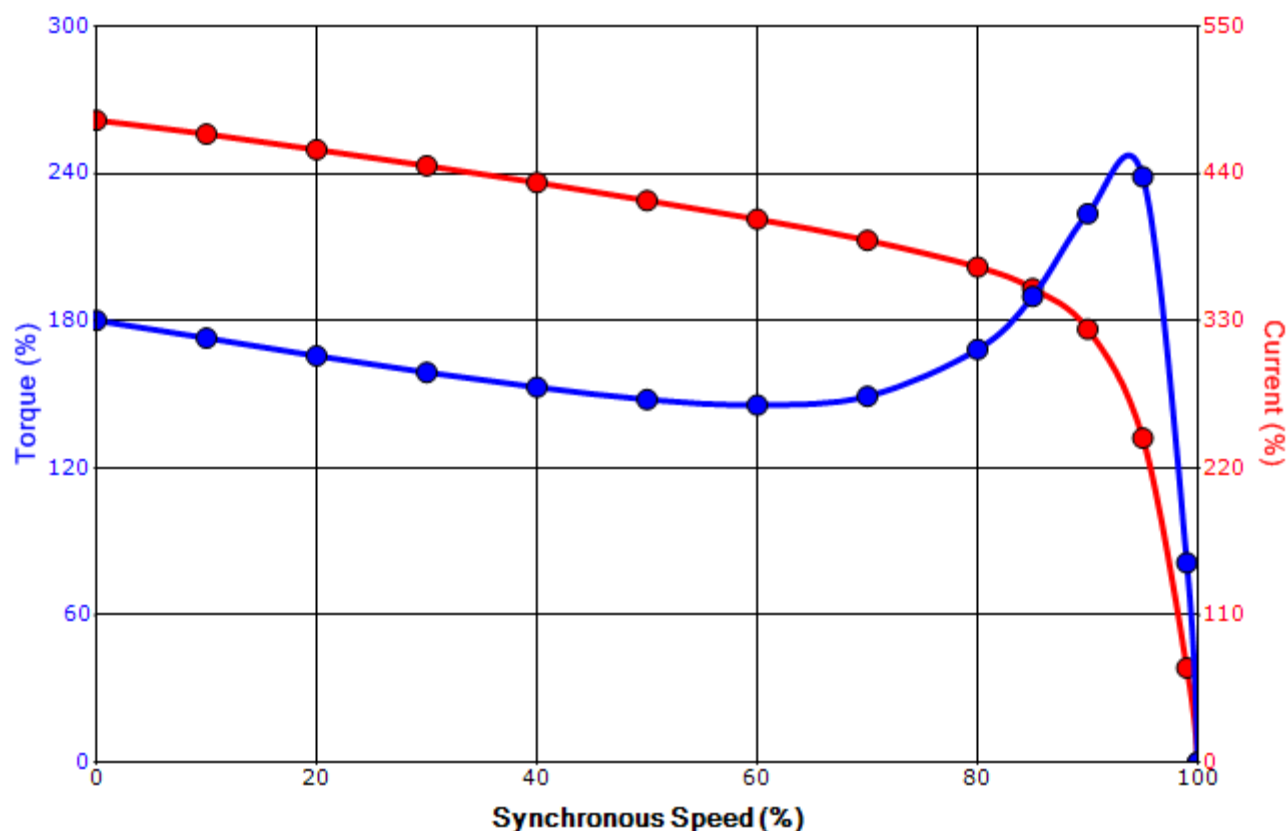
Issued Rev

SPEED TORQUE/CURRENT CURVE

Model: B0756VLF3USH

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
75	55	6	1190	405T	230/460	60	3	180/90
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 ² Inertia (lb-ft ²)	Torque						
		Full Load (lb-ft)	Locked Rotor (%)		Pull Up (%)		Break Down (%)	
515	42.50	332	180		150		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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Engineering	aacosta	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121/1
Engr. Date	5/18/2012	Doc. Approved By	M. Campbell	Doc. Issued	9/20/2019

Motor Connection Diagrams
6 Leads

Across the Line Starting / Run - Delta:



Alternate Starting Connection - Wye:



Switch L1 and L2 to reverse rotation