

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
284TS/286TS	13.1	13.4	26.5	7.00	0.7	2.4	0	10.1	13.9	14.3	2.4	1.50	12.2	9.8	7.00	2.8	7.0	6.1
284T/286T	13.1	13.4	27.8	7.00	0.7	2.4	0	10.1	13.9	14.3	2.4	1.50	12.2	9.8	7.00	2.8	7.0	6.1
284T/286T	5.50	9.50/11.00	0.56	4.75	4.75	4.62	4.38	1.875	1.591	0.500	3.25	6310C3	6310ZC3	6310ZC3	471	lbs.		

TAG NO's:

CUSTOMER: _____ MOTOR MODEL NO.: _____
 P.O. NO.: _____ HP: _____ VOLTAGE: _____ RPM(SYN.): _____ Hz: _____
 FRAME SIZE: _____ PRODUCT TYPE: IEF3 EGP III, EPACK, & HIGH EFFICIENCY
 COMMENTS: _____

 PER: _____ DATE: _____

- 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 3.25 FOR T AND S x S x 1.87 FOR TS (MOTOR SUPPLIED WITH KEY)
 - MOTOR WEIGHT SHOWN IS MAXIMUM HORSEPOWER IN FRAME
 - THIS DIMENSION EQUALS 2F FOR 284T/TS MOUNTING
 - STANDARD PRODUCT USE BI-DIRECTIONAL FAN. OPPOSITE ROTATION AVAILABLE ONLY BY CONNECTION CHANGE

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
 TOSHIBA INTERNATIONAL CORPORATION
 TOTALLY-ENCLOSED FAN-COOLED
 HORIZONTAL FOOT-MOUNTED
 3 PHASE INDUCTION MOTOR
 F1 ASSEMBLY

XT SERIES
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TYPICAL MOTOR PERFORMANCE DATA

Model: B0108FLF2USH

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
10	7.5	8	875	284T	460	60	3	15
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	44	F	1.15	CONT	90.2	B	H	40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	10	7.5	15.0	90.2	71.0
¾ Load	7.50	5.6	12.9	90.2	59.9
½ Load	5.00	3.7	11.2	87.3	47.6
¼ Load	2.50	1.9	8.7	79.2	33.8
No Load			9.1		3.1
Locked Rotor			81.00		41.8

Torque				Rotor wk ² Inertia (lb-ft ²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
60	240	245	265	4.20

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
45	33.8	-	6208UU	6310ZZC3	

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

Motor Options:
Product Family:EQPIII
Mounting:Footed,Shaft:T Shaft

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values.

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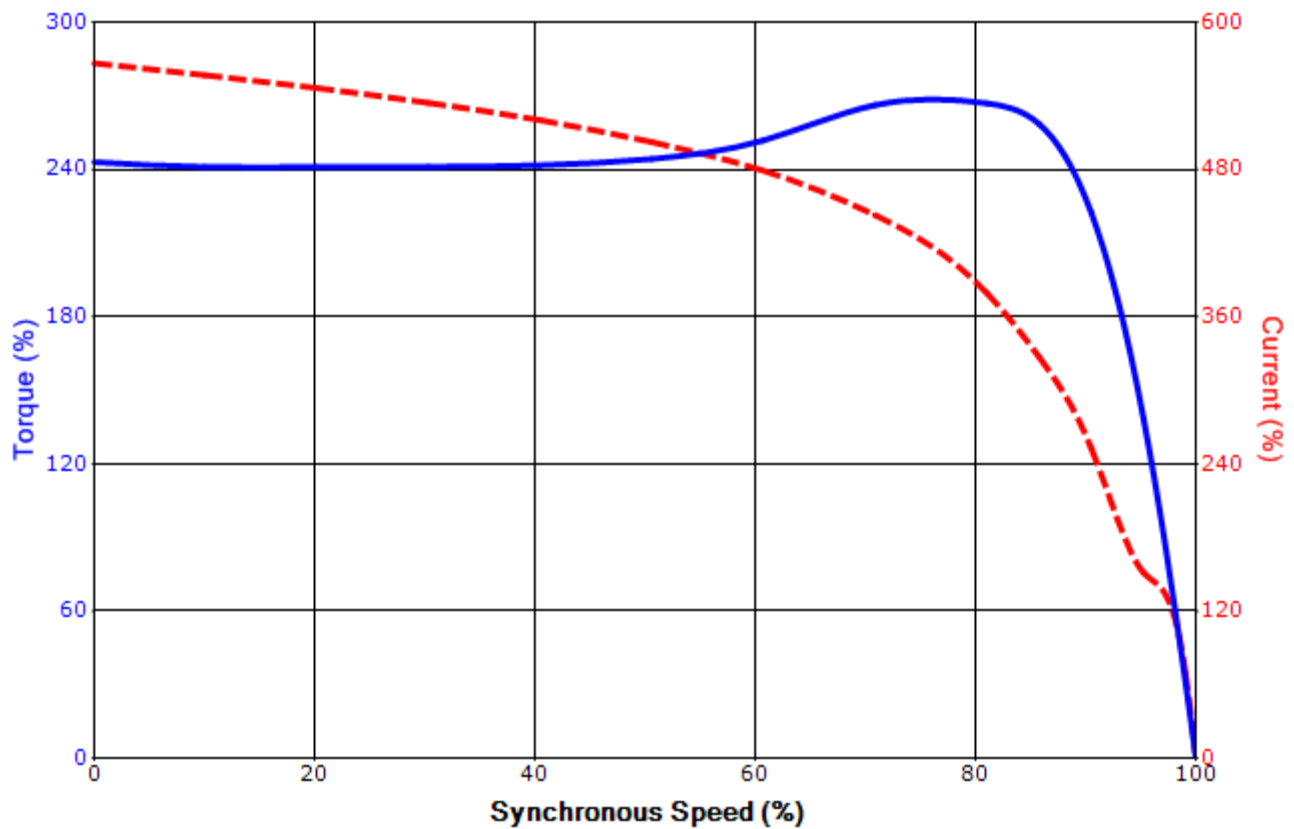
Engineering	jaustin	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	6/27/2014	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

SPEED TORQUE/CURRENT CURVE

Model: B0108FLF2USH

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
10	7.5	8	875	284T	460	60	3	15
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	44	F	1.15	CONT	90.2	B	H	40 C
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque						Break Down (%)
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)				
81.00	4.20	60	240	245			265	

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	jaustin	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0
Engr. Date	6/27/2014	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

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.