

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
254T/256T	12.3	11.7	24.2	6.25	0.8	2.3	0	9.0	13.4	13.0	2.0	1.25	12.3	9.9	6.25	2.8	7.0	6.1

FRAME SIZE	MOUNTING					SHAFT EXTENSION			KEY SEAT			BEARINGS			MAXIMUM WEIGHT
	E	2F	H	BA	N-W	V	U	R	S	ES	LS	OS	OS		
254T/256T	5.00	8.25/10.00	0.56	4.25	4.00	3.75	1.625	1.416	0.375	2.88	6309UU	6208UU	310 lbs.		

CUSTOMER: _____ MOTOR MODEL NO.: _____ TAG NO's: _____

P.O. NO.: _____ HP: _____ VOLTAGE: _____ RPM(SYN.): _____ Hz: _____
 FRAME SIZE: _____ PRODUCT TYPE: IIEFC EGP III, EPACT, & HIGH EFFICIENCY
 COMMENTS: _____

PER: _____ DATE: _____

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- 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 2.88 (MOTOR SUPPLIED WITH KEY)
 4. MOTOR WEIGHT SHOWN IS MAXIMUM HORSEPOWER IN FRAME
 5. THIS DIMENSION EQUALS 2F FOR 254T MOUNTING
 6. 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
 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: B0058FLF2OMH

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
5	3.7	8	880	254T	575	60	3	7
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	J	40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	5	3.7	6.4	90.2	67.0
¾ Load	3.75	2.8	5.5	88.1	57.3
½ Load	2.50	1.9	4.9	83.9	45.4
¼ Load	1.25	0.9	4.4	72.3	28.9
No Load			3.9		4.6
Locked Rotor			36.30		41.2

Torque				Rotor wk ² Inertia (lb-ft ²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
29.8	230	225	295	2.87

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
72.2	61.2	-	6309UU	6208UU	

*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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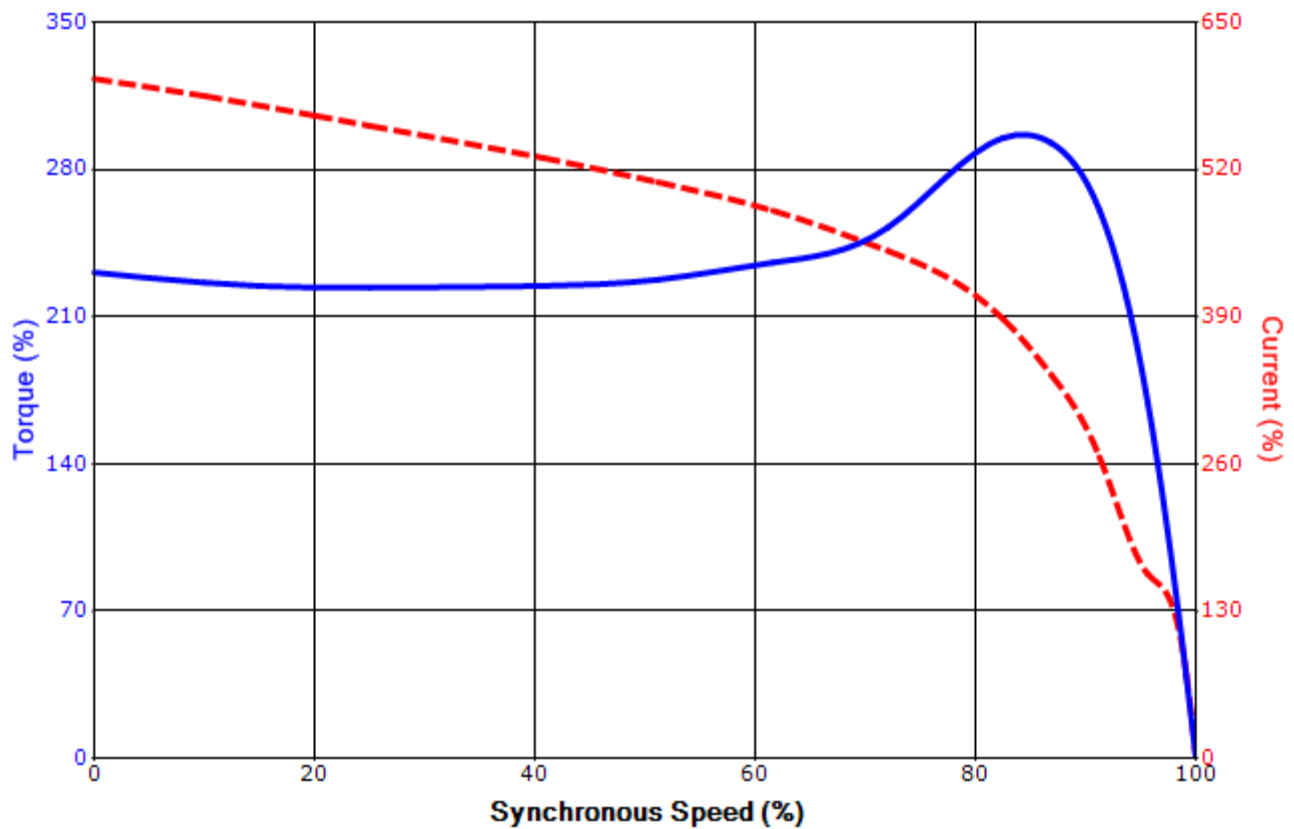
Engineering	jaustin	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	6/23/2014	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

SPEED TORQUE/CURRENT CURVE

Model: B0058FLF20MH

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
5	3.7	8	880	254T	575	60	3	7
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	J	40 C
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque						Break Down (%)
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)				
36.30	2.87	29.8	230	225			295	

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
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Motor Connection Diagrams
9 Leads

Across-the-Line Starting / Running Connections

Low Voltage Wye



High Voltage Wye



Switch L1 and L2 to reverse rotation