

FRAME SIZE	FLANGE DIMENSIONS							
	AH	AJ	AK	BB	BC	BD	BF TAP	BV
213TC/215TC	3.12	7.250	8.500	0.29	0.26	9.00	1/2"-13UNC	7.26

FRAME SIZE	MOTOR DIMENSIONS										CONDUIT BOX							
	A	B	C	D	G	J	K	M	O	P	T	AA	AB	AC	AE	AF	XL	XN
213TC/215TC	10.4	8.7	21.6	5.25	1.0	2.0	0	0	11.4	11.2	2.0	1.00	11.3	8.8	5.25	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			
213TC/215TC	4.25	5.50/7.00	0.44	3.50	3.38	3.12	1.375	1.201	0.312	2.38	6308ZC3	6208ZC3	180 lbs.		

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

P.O. NO.: _____ HP: _____ VOLTAGE: _____ RPM(SYN.): _____ Hz: _____
 FRAME SIZE: _____ PRODUCT TYPE: IIEFC VECTOR READY EQP III
 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 2.38 (MOTOR SUPPLIED WITH KEY)
 4. MOTOR WEIGHT SHOWN IS MAXIMUM HORSEPOWER IN FRAME
 5. THIS DIMENSION EQUALS 2F FOR 213TC 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

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TYPICAL MOTOR PERFORMANCE DATA

Model: Y754FCFB32A

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
7.50	5.5	4	1760	213TC	230/460	60	3	20/10
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	54	F	1.15	CONT	91.7	B	H	40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	7.50	5.6	9.8	91.8	79.9
¾ Load	5.63	4.2	7.8	90.9	75.3
½ Load	3.75	2.8	6.3	88.5	65.8
¼ Load	1.88	1.4	4.5	80.8	48.0
No Load			4.4		6.3
Locked Rotor			63.00		45.7

Torque				Rotor wk ² Inertia (lb-ft ²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
22.4	270	215	340	1.15

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
35	15	-	6308ZZC3	6208ZZC3	

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

Motor Options:
Product Family: Vector Ready Series
Mounting: C-Face Footed, Shaft: T Shaft

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values.

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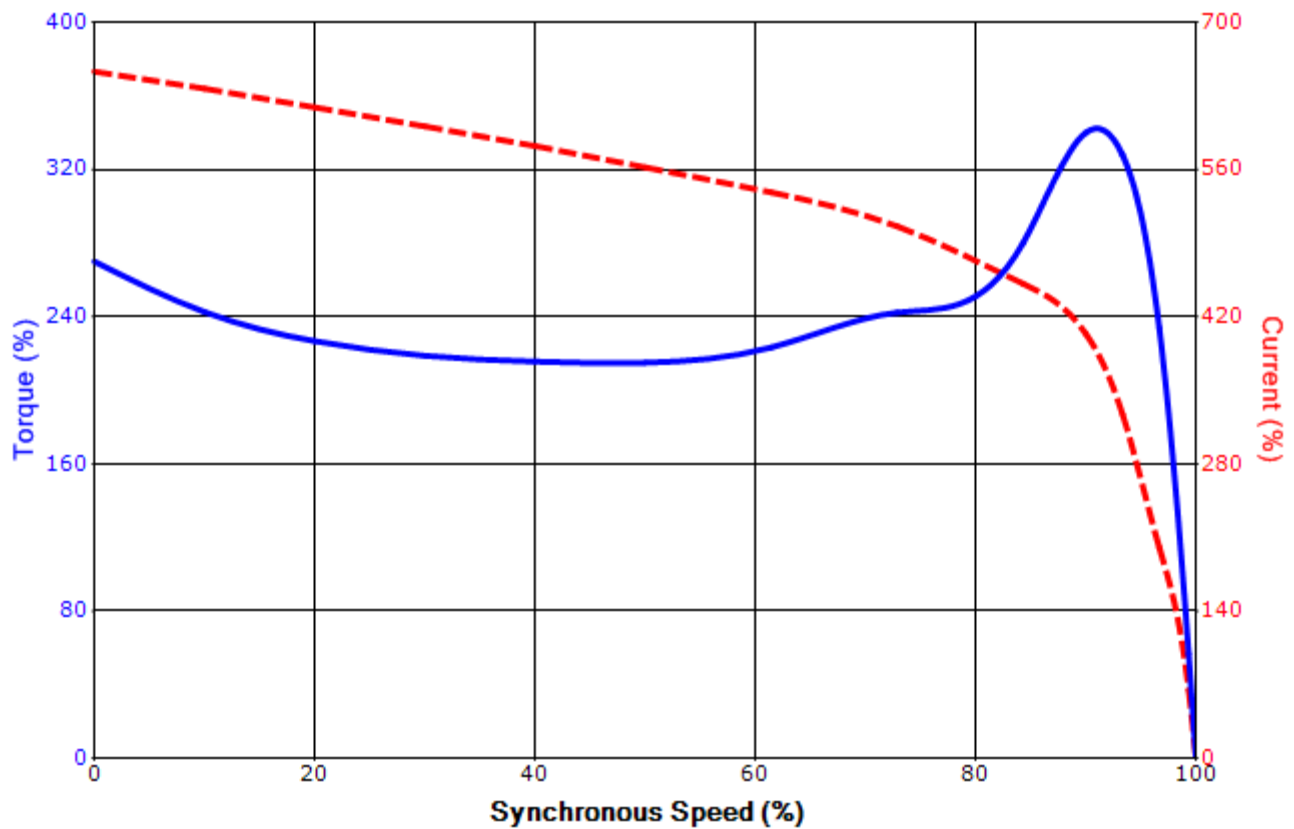
Engineering	mcampbell	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	2/9/2012	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

SPEED TORQUE/CURRENT CURVE

Model: Y754FCFB32A

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
7.50	5.5	4	1760	213TC	230/460	60	3	20/10
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	54	F	1.15	CONT	91.7	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 (%)				
63.00	1.15	22.4	270	215			340	

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	mcampbell	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0
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Motor Connection Diagram 3 Leads - Wye Connection



Switch L1 and L2 to reverse rotation

Each lead may consist of more than one cable.
If multiple cables represent a single lead, each one
of them will be labeled with the appropriate lead number.