

FLANGE DIMENSIONS

FRAME SIZE	AH	AJ	AK	BB	BC	BD	BF	TAPE	BV
182TC/184TC	2.62	7.250	8.500	0.25	0.13	6.94	1/2"-13UNC		6.4

MOTOR DIMENSIONS

FRAME SIZE	A	B	C	D	G	J	K	M	O	P	T	AA	AB	AC	AE	AF	XL	XN
182TC/184TC	8.8	6.6	16.2	4.50	0.5	1.6	0	0	9.4	9.6	2.0	0.75	7.7	6.3	4.5	2.3	5.3	4.6

CONDUIT BOX

FRAME SIZE	E	2F	H	BA	N-W	V	U	R	S	ES	LS	OS	MAXIMUM WEIGHT
182TC/184TC	3.75	4.50/5.50	0.44	3.50	2.75	2.50	1.125	0.986	0.250	1.78	6207ZZC3	6205ZZC3	95 lbs.

- 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 1.75 (MOTOR SUPPLIED WITH KEY)
 4. MOTOR WEIGHT SHOWN IS MAXIMUM HORSEPOWER IN FRAME
 5. THIS DIMENSION EQUALS 2F FOR 182TC MOUNTING
 6. STANDARD PRODUCT USE BI-DIRECTIONAL FAN. 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: IENV VECTOR READY EQP III

COMMENTS: _____

PER: _____ DATE: _____

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 NON-VENTILATED HORIZONTAL FOOT-MOUNTED 3 PHASE INDUCTION MOTOR

F1 ASSEMBLY

XT SERIES

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TYPICAL MOTOR PERFORMANCE DATA

Model: 0034FNFB32A

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
3	2.2	4	1760	182TC	230/460	60	3	8/4
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TENV	54	F	1.15	CONT	89.5	B	K	40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	3	2.2	4.0	89.5	79.6
¾ Load	2.25	1.7	3.1	88.9	75.0
½ Load	1.50	1.1	2.5	86.7	65.3
¼ Load	0.75	0.6	2.2	78.1	40.9
No Load			1.8		6.6
Locked Rotor			32.00		55.7

Torque				Rotor wk ² Inertia (lb-ft ²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
8.95	270	225	390	0.37

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
35	15	-	6207ZZC3	6205ZZC3	

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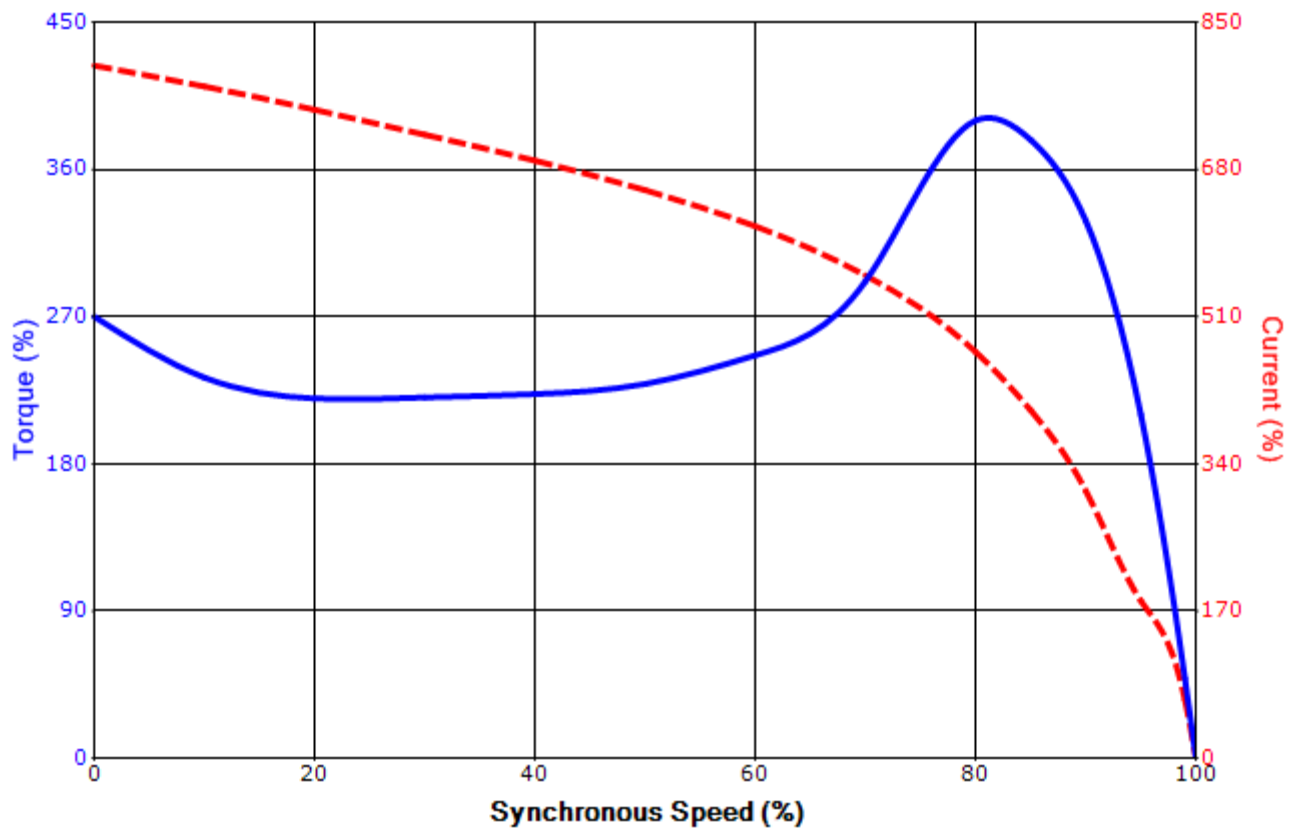
Engineering	mccampbell	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	2/2/2012	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

SPEED TORQUE/CURRENT CURVE

Model: 0034FNFB32A

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
3	2.2	4	1760	182TC	230/460	60	3	8/4
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TENV	54	F	1.15	CONT	89.5	B	K	40 C
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque						Break Down (%)
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)				
32.00	0.37	8.95	270	225			390	

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
Engr. Date	2/2/2012	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

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.