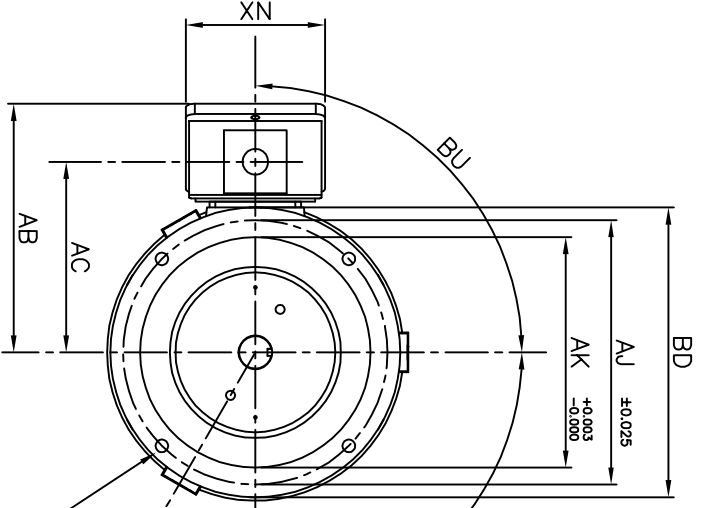
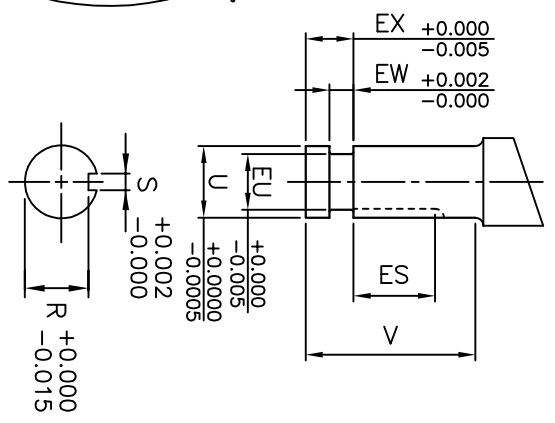


NOTE:  
LIFTING EXERBOLTS  
(2) 180° APART  
FOR MOTOR  
LIFTING ONLY



BF x 4 HOLES



UNITS: INCHES

FRAME SIZE	MOTOR DIMENSIONS				P-FLANGE DIMENSIONS				CONDUIT BOX DIMENSIONS									
	AG	C	P	OX	BU	BB	BE	BF	BD	BV	AK	AJ	AI	AB	AC	AF	XL	XN
180HP10/LP10	21.2	23.9	10.3	-	90°	0.25	0.71	0.44	10.0	7.3	8.25	9.125	0.75	8.6	6.6	3.2	6.1	4.9

FRAME SIZE	SHAFT EXTENSION DIMENSIONS								BEARINGS		MAXIMUM WEIGHT
	AH	EU	U	V	R	S	ES	EW	EX	LS	
180HP10	2.75	0.875	1.125	2.75	0.986	0.25	1.28	0.375	0.75	6306C3	6306C3
180LP10	2.75	0.875	1.125	2.75	0.986	0.25	1.28	0.375	0.75	6306C3	7306BEGAM x 2

TAG NO's: . . . . .

CUSTOMER: \_\_\_\_\_ MOTOR MODEL NO.: \_\_\_\_\_  
 P.O. NO.: \_\_\_\_\_ HP: \_\_\_\_\_ VOLTAGE: \_\_\_\_\_ RPM(SYN.): \_\_\_\_\_ Hz: \_\_\_\_\_  
 FRAME SIZE: \_\_\_\_\_ PRODUCT TYPE: VERTICAL SOLID SHAFT ROUND BODY P-FLANGE  
 COMMENTS: \_\_\_\_\_  
 PER: \_\_\_\_\_ DATE: \_\_\_\_\_

- 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 ES (MOTOR SUPPLIED WITH KEY)
  4. MOTOR WEIGHT SHOWN IS MAXIMUM HORSEPOWER IN FRAME
  5. 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

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 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  
 VERTICAL SOLID SHAFT ROUND BODY P-FLANGE  
 3 PHASE INDUCTION MOTOR  
 F1 ASSEMBLY

**XT SERIES**  
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 www.toshiba.com/ind

**TYPICAL MOTOR PERFORMANCE DATA**

Model: 0052FTVB3PW-A

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
5	3.7	2	3500	180HP10	460	60	3	5.7
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	54	F	1.15	CONT	89.5	B		40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	5.00	3.7	5.7	89.8	92.5
¾ Load	3.75	2.8	4.2	90.3	90.4
½ Load	2.50	1.9	3.0	89.8	84.8
¼ Load	1.25	0.9	1.9	81.1	74.7
No Load			1.5		10.6
Locked Rotor			46		51.9

Torque				Rotor wk <sup>2</sup> Inertia (lb-ft <sup>2</sup> )
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
7.50	265	315	355	0.23

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
25	15	-	6306C3	6306C3	150

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

**Motor Options:**  
Product Family:EQPIII Vertical Normal Thrust  
Mounting:10 P-Base (180-280 Frame),Shaft:HP Solid Shaft Normal Thrust

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values.

**TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.**

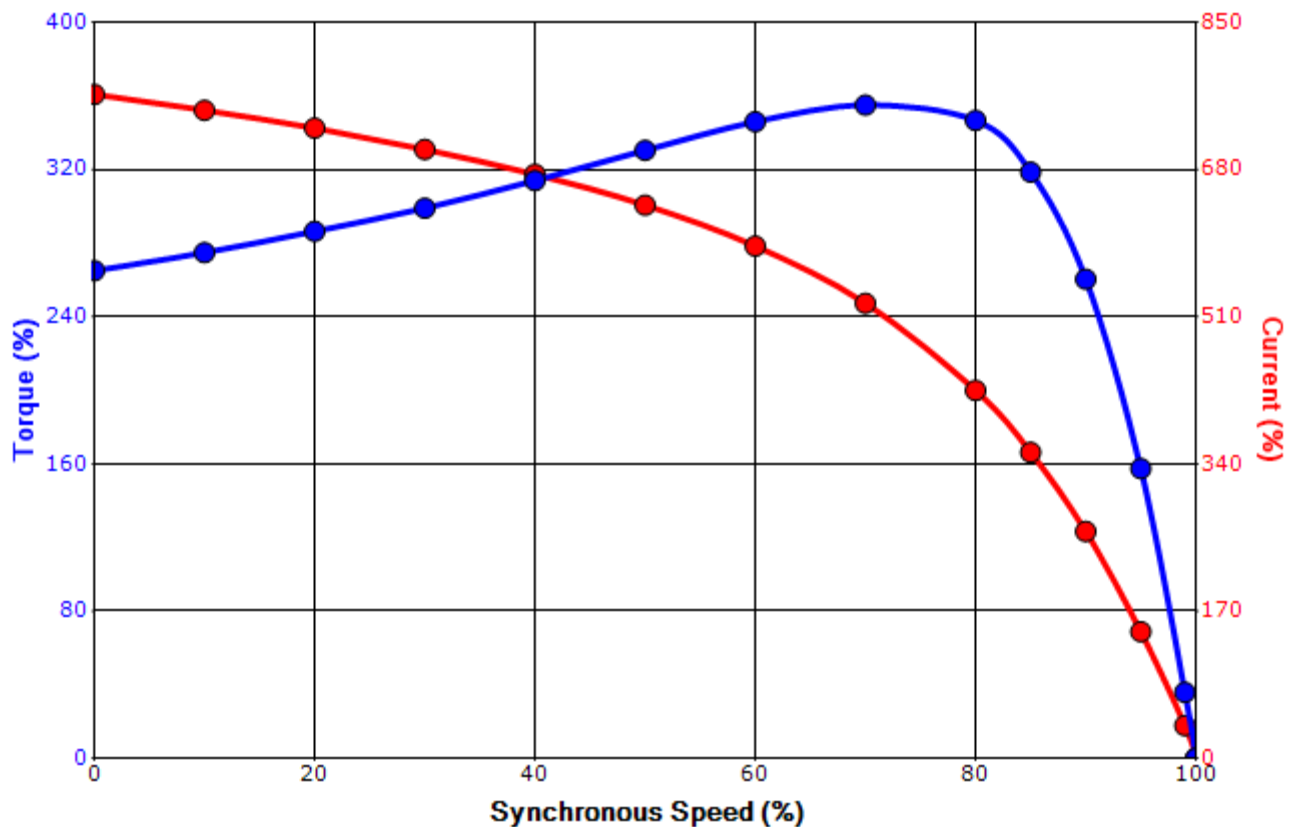
Engineering	gminetos	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	7/23/2013	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

**SPEED TORQUE/CURRENT CURVE**

Model: 0052FTVB3PW-A

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
5	3.7	2	3500	180HP10	460	60	3	5.7
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	54	F	1.15	CONT	89.5	B		40 C
Locked Rotor Amps	Rotor wk <sup>2</sup> Inertia (lb-ft <sup>2</sup> )	Torque						
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)	Break Down (%)			
46	0.23	7.50	265	315	355			

**Design Values**



Customer		wk <sup>2</sup> Load Inertia (lb-ft <sup>2</sup> )	-
Customer PO		Load Type	-
Sales Order		Voltage (%)	100
Project #		Accel. Time	-

Tag:

All characteristics are average expected values.

# Motor Connection Diagram

## 3 Leads - Wye Connection

### Single Voltage



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.