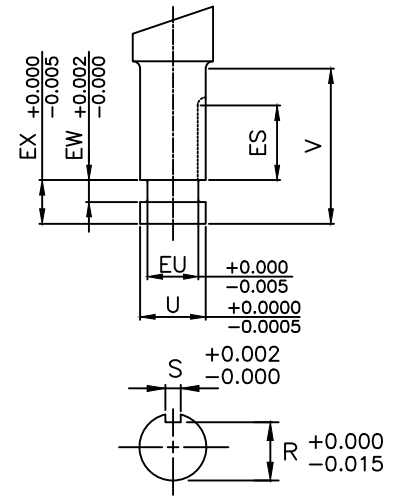
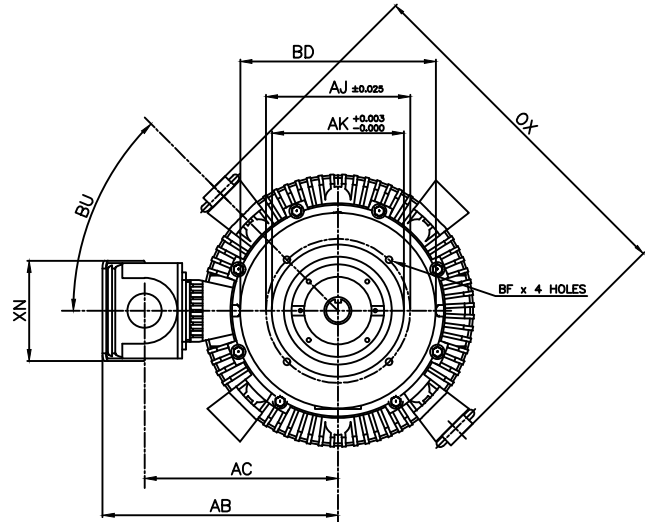
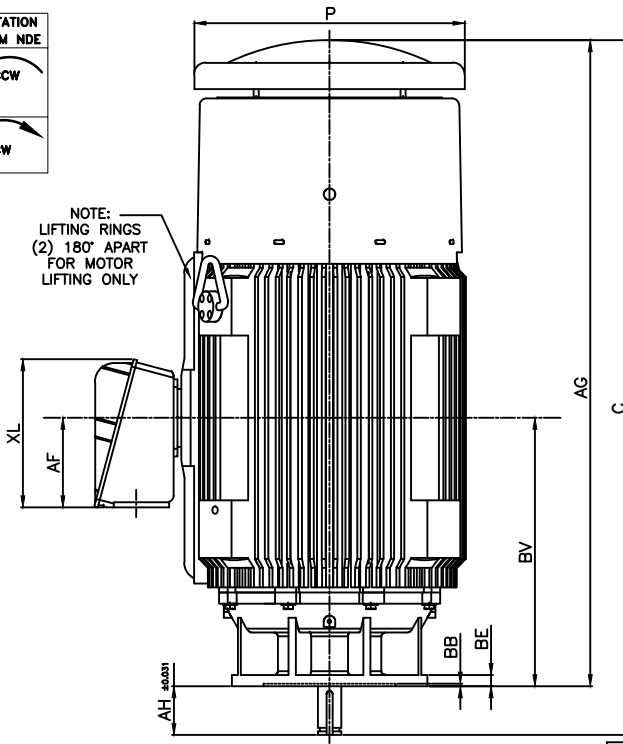


NOTE:  
LIFTING RINGS  
(2) 180° APART  
FOR MOTOR  
LIFTING ONLY



- 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

UNITS: INCHES

FRAME SIZE	MOTOR DIMENSIONS				P-FLANGE DIMENSIONS							
	AG	C	P	OX	BU	BB	BE	BF	BD	BV	AK	AJ
N449HP20	66.1	71.1	27.7	35.9	45°	0.25	1.0	0.69	20.0	27.5	13.50	14.75
N449HP24	66.1	71.1	27.7	35.9	45°	0.25	1.0	0.69	24.0	27.5	13.50	14.75
N449LP20	66.1	71.1	27.7	35.9	45°	0.25	1.0	0.69	20.0	27.5	13.50	14.75
N449LP24	66.1	71.1	27.7	35.9	45°	0.25	1.0	0.69	24.0	27.5	13.50	14.75

POLE SPEED	HORSE POWER	SHAFT EXTENSION DIMENSIONS										
		AH	EU	U	V	R	S	ES	EW	EX		
2	250~350	4.50	1.75	2.125	4.50	1.845	0.500	3.03	0.375	0.75		
	350~300	4.50	1.75	2.125	4.50	1.845	0.500	3.03	0.375	0.75		
4	350	5.00	2.00	2.375	5.00	2.021	0.625	3.53	0.375	0.75		
	200	4.50	1.75	2.125	4.50	1.845	0.500	3.03	0.375	0.75		
6	250	5.00	2.00	2.375	5.00	2.021	0.625	3.53	0.375	0.75		
	300~350	5.00	2.25	2.625	5.00	2.275	0.625	3.53	0.375	0.75		
8	150	5.00	2.00	2.375	5.00	2.021	0.625	3.53	0.375	0.75		
	200~250	5.00	2.25	2.625	5.00	2.275	0.625	3.53	0.375	0.75		

CONDUIT BOX DIMENSIONS						MAXIMUM WEIGHT
AA/NPT	AB	AC	AF	XL	XN	
3.00	24.1	19.8	9.2	15.2	10.3	3800 LBS

FRAME SIZE	BEARINGS	
	LS	OS
2 POLE HP	6313C3	6315C3
2 POLE LP	6313C3	7315BEGAM x 2
4~8 POLE HP	6318C3	6315C3
4~8 POLE LP	6318C3	7315BEGAM x 2

CUSTOMER: \_\_\_\_\_ MOTOR MODEL NO.: \_\_\_\_\_ TAG NO's.: \_\_\_\_\_

P.O. NO.: \_\_\_\_\_ HP: \_\_\_\_\_ VOLTAGE: \_\_\_\_\_ RPM(SYN.): \_\_\_\_\_ Hz: \_\_\_\_\_

FRAME SIZE: \_\_\_\_\_ PRODUCT TYPE: VERTICAL SOLID SHAFT ROUND BODY P-FLANGE

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

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**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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**TYPICAL MOTOR PERFORMANCE DATA**

Model: 3506FTVB3SX-A

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
350	261	6	1185	N449LP20	460	60	3	414
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	54	F	1.15	CONT	96.2	B		40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	350.00	261.0	414	96.5	82.0
¾ Load	262.50	195.7	337	96.0	79.2
½ Load	175.00	130.5	257	94.7	71.3
¼ Load	87.50	65.2	195	89.2	47.0
No Load			161.0		2.7
Locked Rotor			2307		22.9

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)	
1551	140	115	225	221.35

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
27	6	-	6318C3	7315B	3200

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

**Motor Options:**  
Product Family:EQPIII Vertical Medium Thrust  
Mounting:20 P-Base (440 Frame),Shaft:LP Solid Shaft Medium Thrust

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values.

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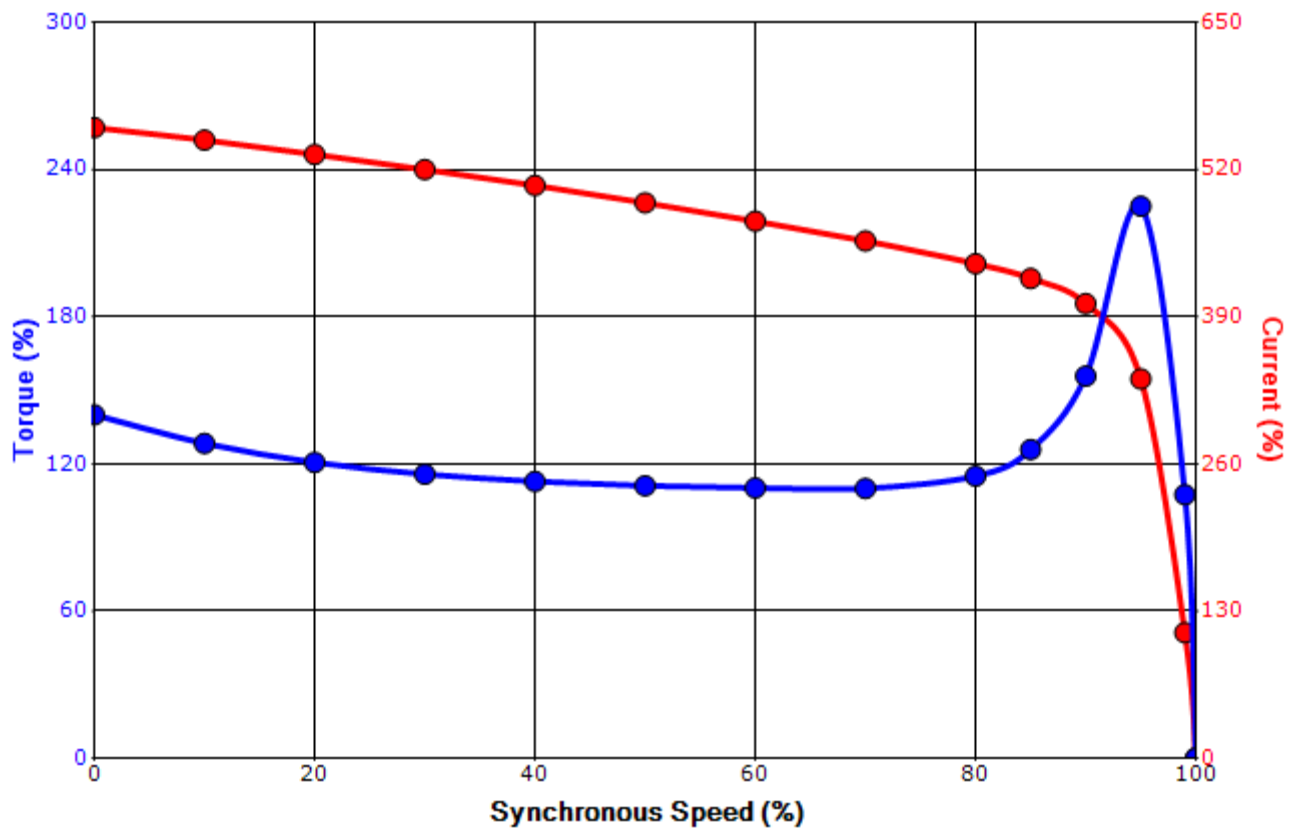
Engineering	gminetos	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	7/25/2013	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

**SPEED TORQUE/CURRENT CURVE**

Model: 3506FTVB3SX-A

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
350	261	6	1185	N449LP20	460	60	3	414
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	54	F	1.15	CONT	96.2	B		40 C
Locked Rotor Amps	Rotor wk <sup>2</sup> Inertia (lb-ft <sup>2</sup> )	Torque						Break Down (%)
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)				
2307	221.35	1551	140	115			225	

**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	-

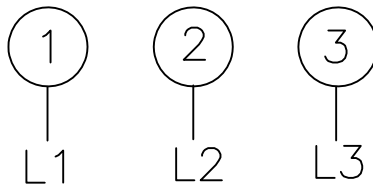
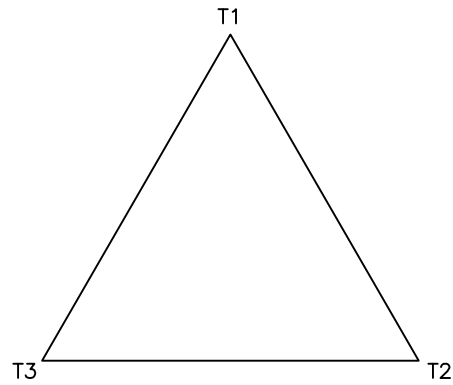
Tag:

All characteristics are average expected values.

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Engineering	gminetos	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0
Engr. Date	7/25/2013	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

**Motor Connection Diagram**  
3 Leads - Delta 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.