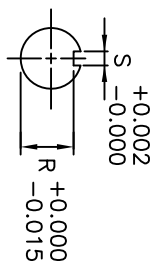
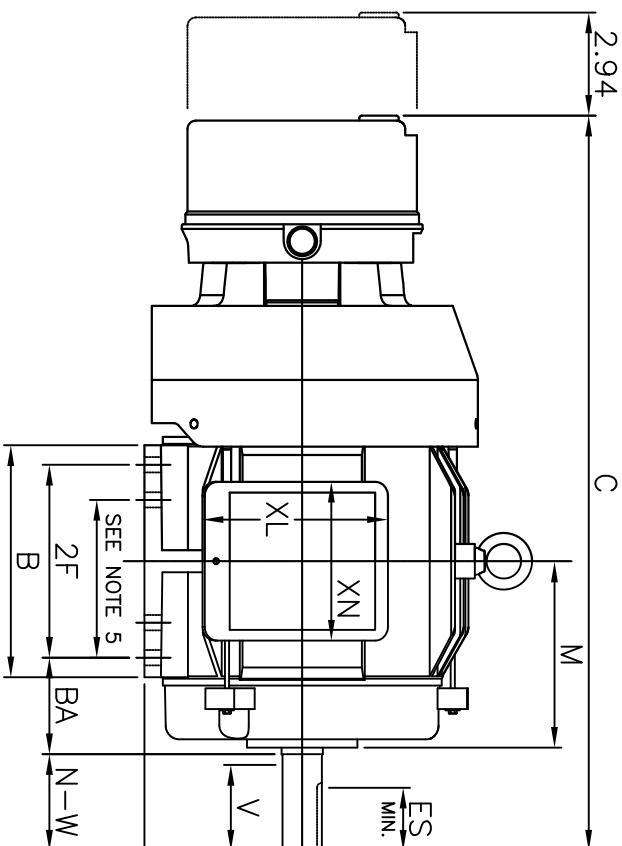
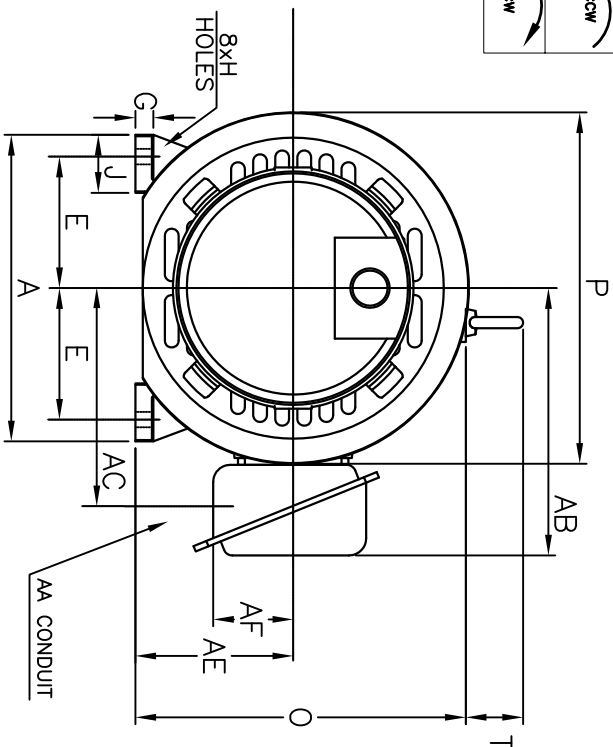


CLEARANCE REQUIRED TO REMOVE HOUSING



UNITS: INCHES

FRAME SIZE	MOTOR DIMENSIONS										CONDUIT BOX						MAXIMUM WEIGHT		
	A	B	C	D	G	J	K	M	O	P	T	AA	AB	AC	AE	AF		XL	XN
182T/184T	8.8	6.6	21.0	4.50	0.5	1.6	0	5.3	9.4	10.1	2.0	0.75	7.7	6.3	4.5	2.3	5.3	4.6	
FRAME SIZE	E		MOUNTING		SHAFT EXTENSION		KEY SEAT		BEARINGS		MAXIMUM WEIGHT								
182T/184T	3.75	4.50/5.50	0.44	2.75	2.75	2.50	1.125	0.986	0.250	1.79	6207ZZ	6205ZZ	120 lbs.						

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

P.O. NO.: _____ HP: _____ RPM(SYN): _____ HZ: _____
 VOLTAGE: _____
 FRAME SIZE: _____ PRODUCT TYPE: IEFEC EOP III, EPACK, & HIGH EFFICIENCY BRAKE SERIES
 COMMENTS: 56,000 SERIES STEARNS BRAKE

PER: _____ DATE: _____

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

STANDARD (NO AUX. BOXES)
 RTD AUX. BOX
 SPACE HEATER AUX. BOX
 BEARING RTD's

- 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 182T MOUNTING
 6. STANDARD PRODUCT USE BI-DIRECTIONAL FAN. OPPOSITE ROTATION AVAILABLE ONLY BY CONNECTION CHANGE

TOSHIBA
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TOTALLY-ENCLOSED FAN-COOLED
 HORIZONTAL FOOT-MOUNTED
 3 PHASE INDUCTION MOTOR
 F1 ASSEMBLY

XT SERIES
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TYPICAL MOTOR PERFORMANCE DATA

Model: BY1563LF2OMH

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
1	1.1	6	1168	182T	575	60	3	2
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	54	F	1.15	CONT	87.5	B	M	40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	1	1.1	2.0	87.4	68.2
¾ Load	1.12	0.8	1.7	87.1	60.3
½ Load	0.75	0.6	1.5	85.1	46.9
¼ Load	0.37	0.3	1.4	69.4	27.9
No Load			1.2		3.5
Locked Rotor			16.00		55.4

Torque				Rotor wk ² Inertia (lb-ft ²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
6.74	290	350	400	0.40

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
32	15	-	6207ZZ	6205ZZ	

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

Motor Options:
Product Family:EQPIII Brake Motor
Mounting:Footed,Shaft:T Shaft

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values.

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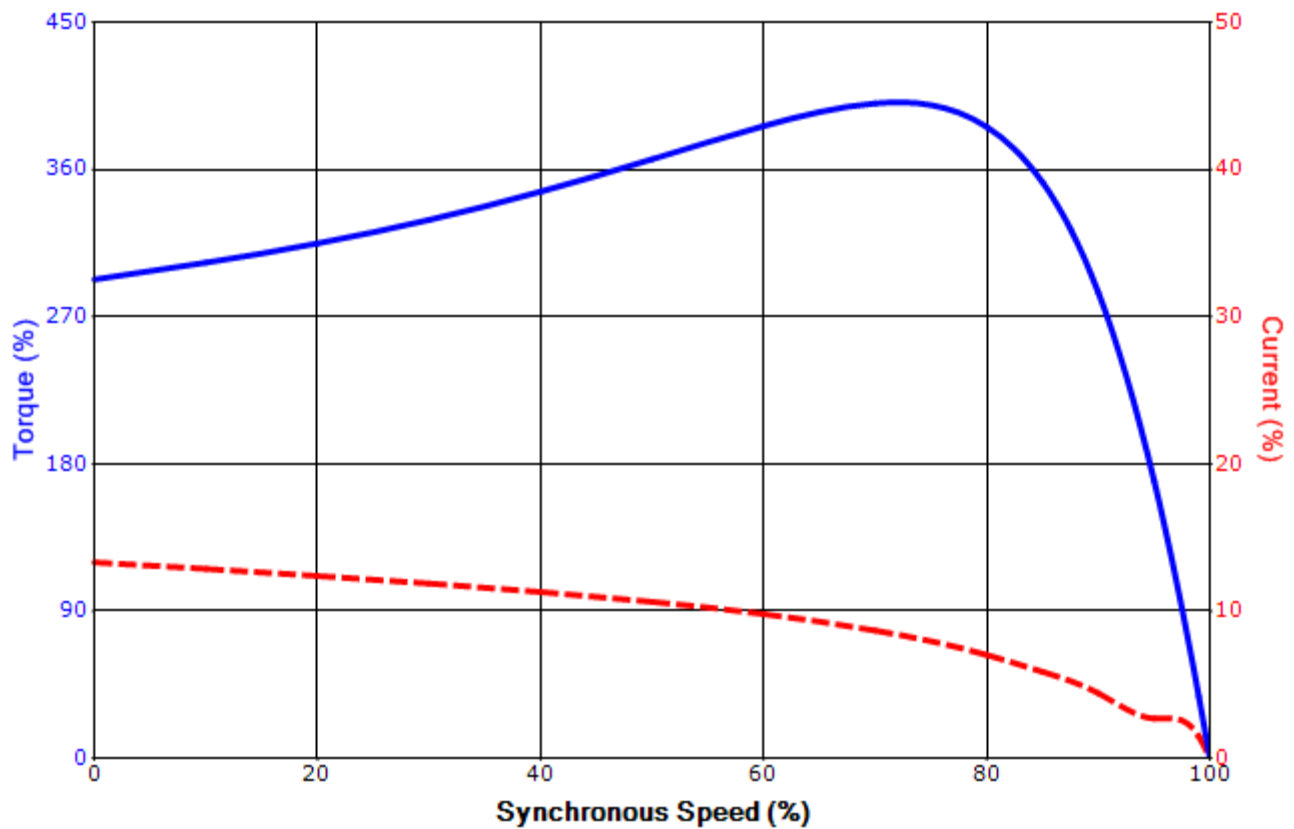
Engineering	aacosta	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	7/9/2012	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

SPEED TORQUE/CURRENT CURVE

Model: BY1563LF2OMH

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
1	1.1	6	1168	182T	575	60	3	2
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	54	F	1.15	CONT	87.5	B	M	40 C
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque						Break Down (%)
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)				
16.00	0.40	6.74	290	350			400	

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.

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

Engineering	aacosta	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0
Engr. Date	7/9/2012	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

Motor Connection Diagrams
9 Leads

Across-the-Line Starting / Running Connections

Low Voltage Wye



High Voltage Wye



Switch L1 and L2 to reverse rotation