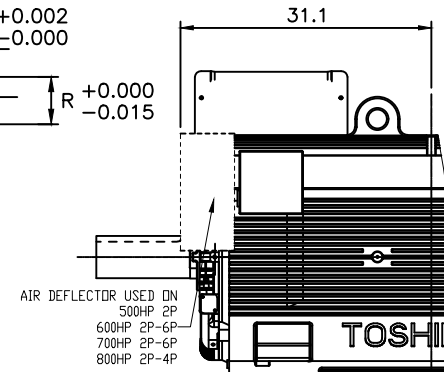
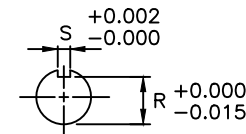
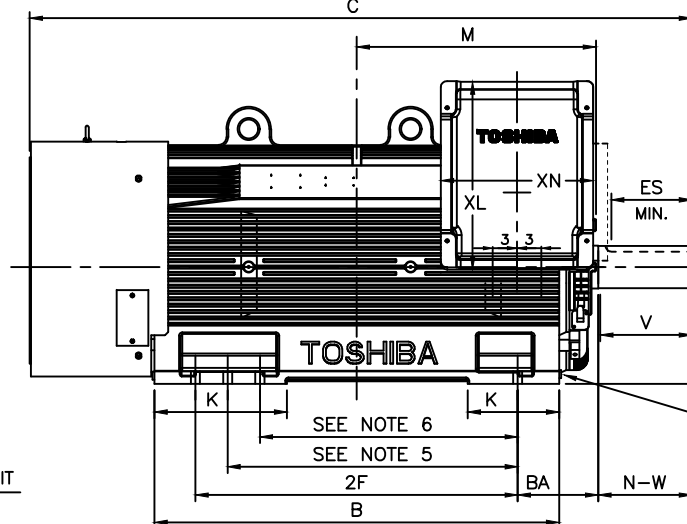
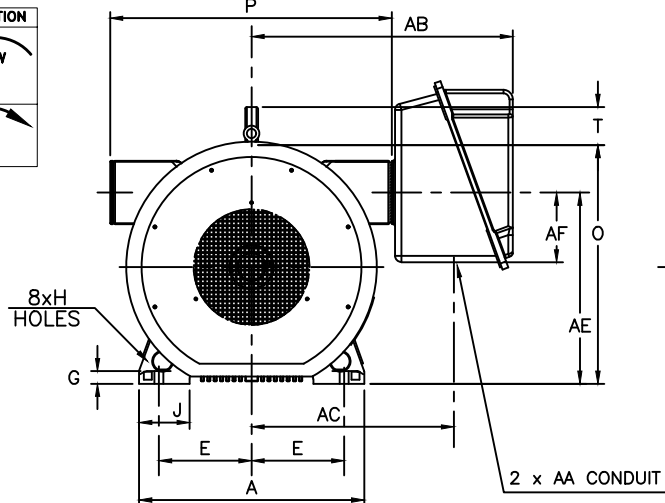
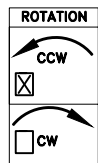


UNITS: INCHES

FRAME SIZE	MOTOR DIMENSIONS											CONDUIT BOX						
	A	B	C	D	G	J	K	M	O	P	T	AA	AB	AC	AE	AF	XL	XN
5809/10/11USS	28.0	50.3	76.3	14.50	1.6	6.3	16.5/11.4	29.7	29.7	35.0	4.8	4.00	31.3	24.0	23.8	8.7	23.4	18.9
5809/10/11US	28.0	50.3	76.8	14.50	1.6	6.3	16.5/11.4	29.7	29.7	35.0	4.8	4.00	31.3	24.0	23.8	8.7	23.4	18.9
5809/10/11UZ	28.0	50.3	82.2	14.50	1.6	6.3	16.5/11.4	29.7	29.7	35.0	4.8	4.00	31.3	24.0	23.8	8.7	23.4	18.9

FRAME SIZE	MOUNTING				SHAFT EXTENSION			KEY SEAT			BEARINGS		MAXIMUM WEIGHT
	E	2F	H	BA	N-W	V	U	R	S	ES	LS	OS	
5809/10/11USS	11.50	32.00/36.00/40.00	1.125	10.00	5.74	5.65	2.625	2.275	0.625	3.03	6315C3	6315C3	7000 lbs.
5809/10/11US	11.50	32.00/36.00/40.00	1.125	10.00	6.25	6.19	4.000	3.436	1.000	5.03	6322C3	6322C3	
5809/10/11UZ	11.50	32.00/36.00/40.00	1.125	10.00	11.62	11.38	5.250	4.550	1.250	10.03	NU328C3	6322C3	

- 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 10.00 FOR UZ, S x S x 5.00 FOR US, AND S x S x 3.00 FOR USS (MOTOR SUPPLIED WITH KEY)
 4. MOTOR WEIGHT SHOWN IS MAXIMUM HORSEPOWER IN FRAME
 5. THIS DIMENSION EQUALS 2F FOR 5810USS/US/UZ MOUNTING
 6. THIS DIMENSION EQUALS 2F FOR 5809USS/US/UZ MOUNTING
 7. STANDARD 4~8 POLE PRODUCT USE BI-DIRECTIONAL FAN. OPPOSITE ROTATION AVAILABLE ONLY BY CONNECTION CHANGE
 8. STANDARD 2 POLE PRODUCT USE UNI-DIRECTIONAL FAN. OPPOSITE ROTATION AVAILABLE ONLY BY FAN AND CONNECTION CHANGE

CUSTOMER: _____ MOTOR MODEL NO.: _____
P.O. NO.: _____ HP: _____ VOLTAGE: _____ RPM(SYN.): _____ Hz: _____
FRAME SIZE: _____ PRODUCT TYPE: TEFC EQP III, EPACT, & HIGH EFFICIENCY
COMMENTS: _____
PER: _____ DATE: _____

TAG NO's.:
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- ☒ 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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HORIZONTAL FOOT-MOUNTED
3 PHASE INDUCTION MOTOR
F1 ASSEMBLY

XT SERIES

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TYPICAL MOTOR PERFORMANCE DATA

Model: 7001FTAB11F-A

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
700	522	2	3580	5811USS	460	60	3	800
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	54	F	1.15	CONT	95.4	-		40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	700.00	522.0	800	95.5	85.7
¾ Load	525.00	391.5	612	94.8	84.6
½ Load	350.00	261.0	435	93.2	80.7
¼ Load	175.00	130.5	279	88.3	66.5
No Load			176.3		
Locked Rotor			5139		

Torque				Rotor wk² Inertia (lb-ft²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
1027	140	105	260	203.21

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
13	5	-	6315C3	6315C3	

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

Motor Options:
Mounting:Footed,Shaft:USS Shaft

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values.

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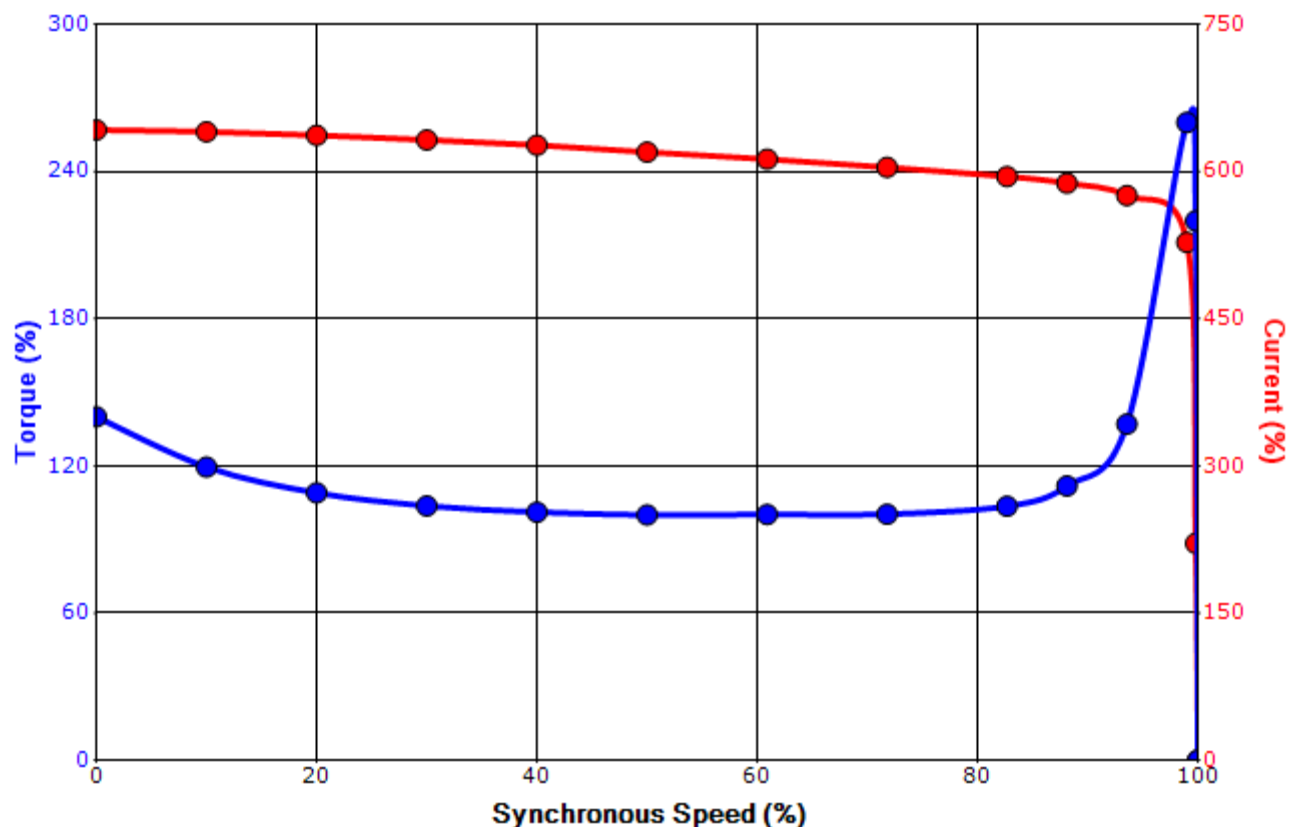
Engineering	zxie	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	4/27/2021	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

SPEED TORQUE/CURRENT CURVE

Model: 7001FTAB11F-A

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
700	522	2	3580	5811USS	460	60	3	800
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	54	F	1.15	CONT	95.4	-		40 C
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque						
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)		Break Down (%)		
5139	203.21	1027	140	105		260		

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	zxie	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0
Engr. Date	4/27/2021	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

Motor Connection Diagram

12 Leads

Single Voltage



Switch L1 and L2 to reverse rotation