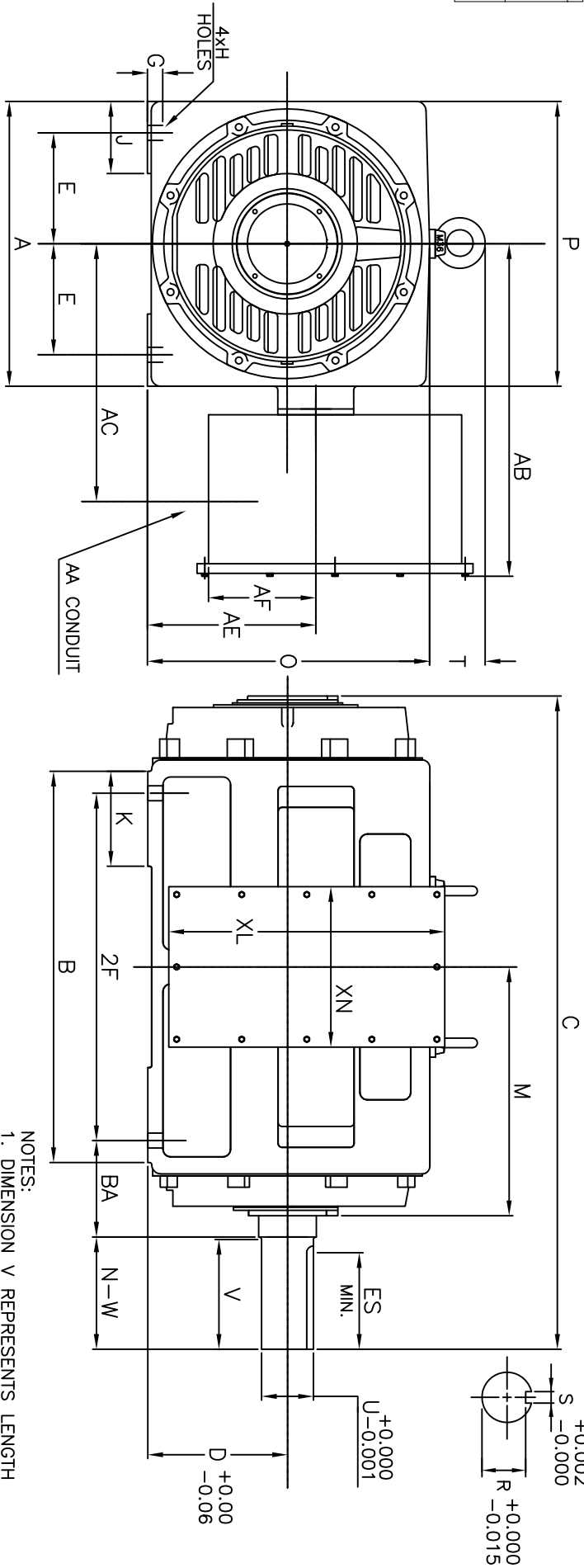
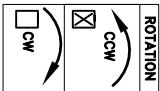




UNITS: INCHES

FRAME SIZE	MOTOR DIMENSIONS										CONDUIT BOX					
	A	B	C	D	G	J	K	M	O	P	T	AA	AB	AC	AE	AF
5810US	29.6	40.6	64.4	14.50	1.6	7.5	9.9	25.8	29.3	29.6	5.8	4.00	34.5	26.8	17.5	11.2
5810UZ	29.6	40.6	67.8	14.50	1.6	7.5	9.9	25.8	29.3	29.6	5.8	4.00	34.5	26.8	17.5	11.2
FRAME SIZE	MOUNTING				SHAFT EXTENSION				KEY SEAT				BEARINGS		MAXIMUM WEIGHT	
	E	2F	H	BA	N-W	V	U	R	S	ES	LS	OS				
5810US	11.5	36.00	1.38	10.0	8.27	8.00	4.000	3.436	1.000	6.90	6322C3	6320C3*	4800 lbs.			
5810UZ	11.5	36.00	1.38	10.0	11.63	11.38	5.375	4.676	1.250	10.00	NU2232C3	6320C3*				

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

P.O. NO.: _____ HP: _____ VOLTAGE: _____ RPM(SYN.): _____ HZ: _____
FRAME SIZE: _____ PRODUCT TYPE: ODP EGP III, EPACT, & HIGH EFFICIENCY
COMMENTS: _____

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

TOSHIBA OPEN DRIP-PROOF
HORIZONTAL FOOT-MOUNTED
3 PHASE INDUCTION MOTOR
F1 ASSEMBLY
TOSHIBA INTERNATIONAL CORPORATION

☒ 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 6.88 FOR US AND S x S x 10.00 (MOTOR SUPPLIED WITH KEY)
 4. MOTOR WEIGHT SHOWN IS MAXIMUM HORSEPOWER IN FRAME
 5. OPPOSITE ROTATION AVAILABLE ONLY BY CONNECTION CHANGE
 6. *INSULATED BEARING

XT SERIES
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Issued Date 9/24/2019

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TYPICAL MOTOR PERFORMANCE DATA

Model: F7006VKG3BM

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
700	522	6	1190	5810US	460	60	3	985
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
ODP	12	F	1.0	CONT	95.8	-	G	40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	700	522.0	985.3	95.9	69.4
¾ Load	525.00	391.5	810.9	95.5	63.5
½ Load	350.00	261.0	665.1	94.3	52.2
¼ Load	175.00	130.5	565.1	90.3	32.1
No Load			522.2		1.6
Locked Rotor			5073.1		30.3

Torque				Rotor wk² Inertia (lb-ft²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
3089	200	130	215	386.77

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
17	8	-	6322C3	6320C3 INS	4750

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

Motor Options:
Product Family:ODP
Mounting:Footed,Shaft:US Shaft

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values.

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

Engineering	bmammen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 1
Engr. Date	12/11/2018	Doc. Approved By	M. Campbell	Doc. Issued	9/20/2019

TOSHIBA

Issued Date 9/24/2019

Transmit #

Issued By dschoeck

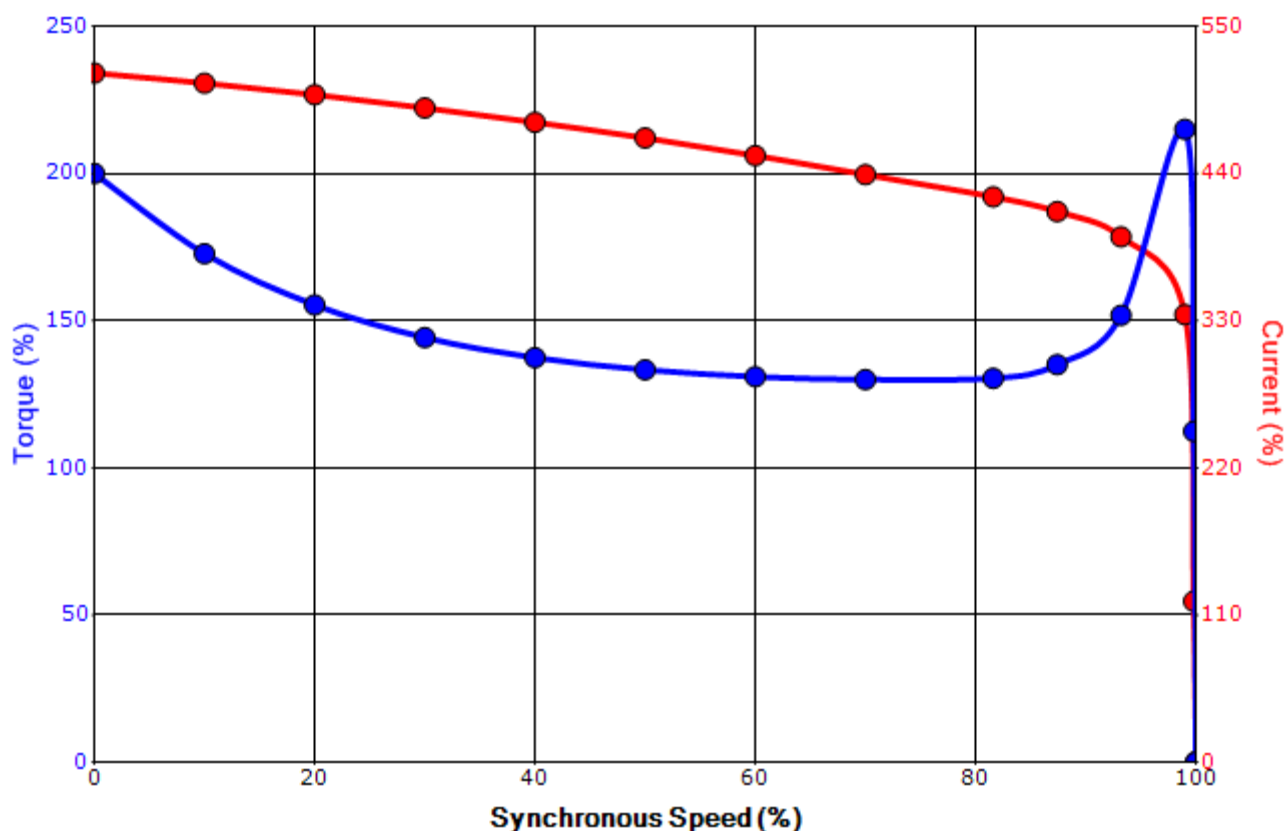
Issued Rev

SPEED TORQUE/CURRENT CURVE

Model: F7006VKG3BM

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
700	522	6	1190	5810US	460	60	3	985
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
ODP	12	F	1.0	CONT	95.8	-	G	40 C
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque						
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)		Break Down (%)		
5073.1	386.77	3089	200	130		215		

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	bmammen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121/1
Engr. Date	12/11/2018	Doc. Approved By	M. Campbell	Doc. Issued	9/20/2019

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.