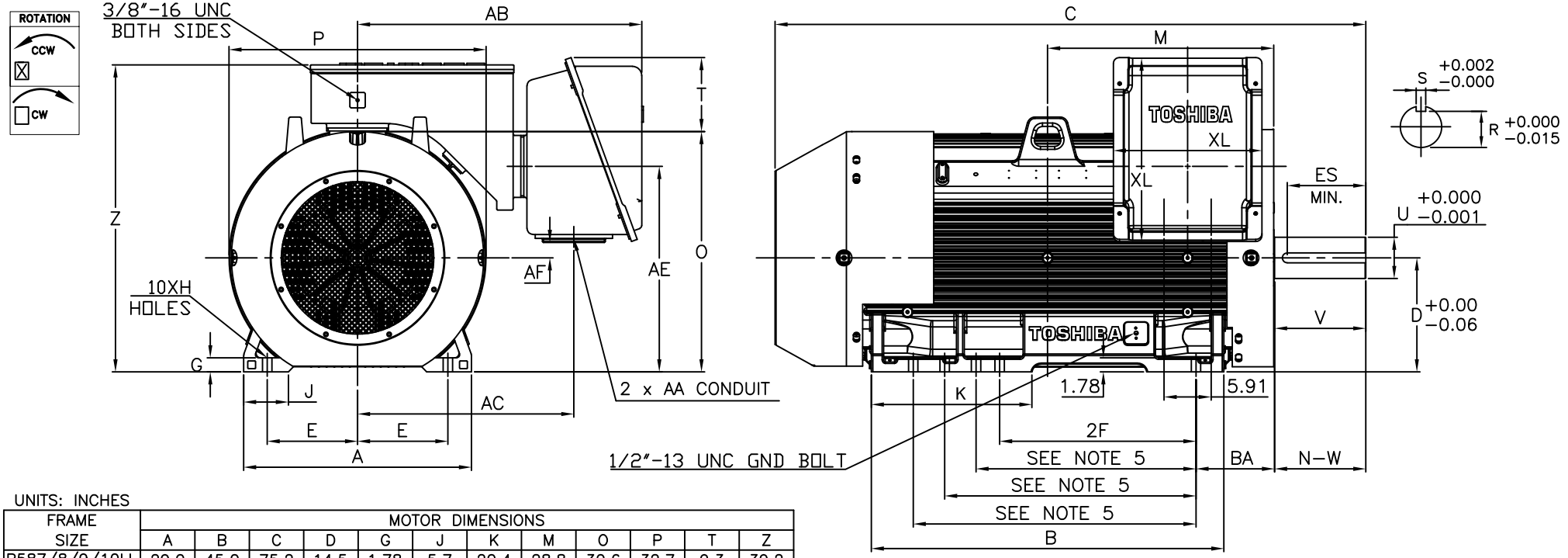

UNITS: INCHES

FRAME SIZE	MOTOR DIMENSIONS											
	A	B	C	D	G	J	K	M	O	P	T	Z
B587/8/9/10LL	29.0	45.0	75.2	14.5	1.78	5.7	20.4	28.8	30.6	32.7	9.3	39.2
B587/8/9/10LQ	29.0	45.0	75.2	14.5	1.78	5.7	20.4	28.8	30.6	32.7	9.3	39.2
B587/8/9/10LS	29.0	45.0	71.8	14.5	1.78	5.7	20.4	28.8	30.6	32.7	9.3	39.2

FRAME SIZE	CONDUIT BOX						
	AA[NPT]	AB	AC	AE	AF	XL	XN
B587/8/9/10LL/LQ/LS	3.00	36.2	27.5	26.1	1.97	23.5	18.9

FRAME SIZE	MOUNTING				SHAFT EXTENSION			KEY SEAT			BEARINGS			MAXIMUM WEIGHT
	E	2F	H	BA	N-W	V	U	R	S	ES	LS ROLLER	LS BALL	OS BALL	
B587/8/9/10LL	11.5	25.0/28.0/32.0/36.0	1.19	10.0	11.625	11.56	5.25	4.550	1.00	10.00	NU328C3	6328C3	6320C3	8000 lbs.
B587/8/9/10LQ	11.5	25.0/28.0/32.0/36.0	1.19	10.0	11.625	11.56	4.375	3.817	1.00	10.00	NU324C3	6324C3	6320C3	8000 lbs.
B587/8/9/10LS	11.5	25.0/28.0/32.0/36.0	1.19	10.0	8.25	8.19	3.875	3.309	1.00	6.30	NU322C3	6322C3	6320C3	8000 lbs.

NOTES:
1. DIMENSION V REPRESENTS LENGTH OF STRAIGHT PART OF SHAFT.
2. MAIN CONDUIT BOX MAY BE ROTATED IN 90° INCREMENTS.
3. "LL" KEY DIMENSIONS EQUAL S x S x 10.00
   "LQ" KEY DIMENSIONS EQUAL S x S x 10.00
   "LS" KEY DIMENSIONS EQUAL S x S x 6.30
   (MOTOR SUPPLIED WITH KEY)
4. MOTOR WEIGHT SHOWN IS MAXIMUM HORSEPOWER IN FRAME.
5. THIS DIMENSION EQUALS 2F FOR 587/8/9/10 MOUNTING.
6. STANDARD PRODUCT USE BI-DIRECTIONAL FAN. OPPOSITE ROTATION AVAILABLE ONLY BY CONNECTION CHANGE.
7. FRAME GROUND BOLT STANDARD.

CUSTOMER: _____ MOTOR MODEL NO.: _____

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

FRAME SIZE: _____ PRODUCT TYPE: TEFC PREMIUM EFFICIENCY QUARRY DUTY

COMMENTS: _____

PER: _____ DATE: _____

TAG NO's.:

- [X] 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 [X] PRELIMINARY

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TOSHIBA INTERNATIONAL CORPORATION

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

XT SERIES

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Issued Date	3/10/2022	Transmit #	
Issued By	dschoeck	Issued Rev	

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TYPICAL MOTOR PERFORMANCE DATA

Model: 6006QDSC31A-R

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
600	447	6	1190	B587LL	575	60	3	614

Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	54	F	1.15	CONT	96.2	-		40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	600.00	447.4	614	96.5	75.8
¾ Load	450.00	335.6	490	96.2	71.5
½ Load	300.00	223.7	381	95.2	61.8
¼ Load	150.00	111.9	300	92.0	40.6
No Load			295.6		1.8
Locked Rotor			3989		26.9

Torque				Rotor wk² Inertia
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	(lb-ft²)
2648	205	175	300	451.19

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
19	8	85	NU328C3	6320C3	

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

Motor Options:
Product Family:Quarry
Mounting:Footed,Shaft:LL IEC Frame
Motor Specification:Quarry Duty

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values.

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

Engineering	SSuryani	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	6/25/2021	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

Issued Date	3/10/2022	Transmit #	
Issued By	dschoeck	Issued Rev	

TOSHIBA
Leading Innovation >>>

SPEED TORQUE/CURRENT CURVE

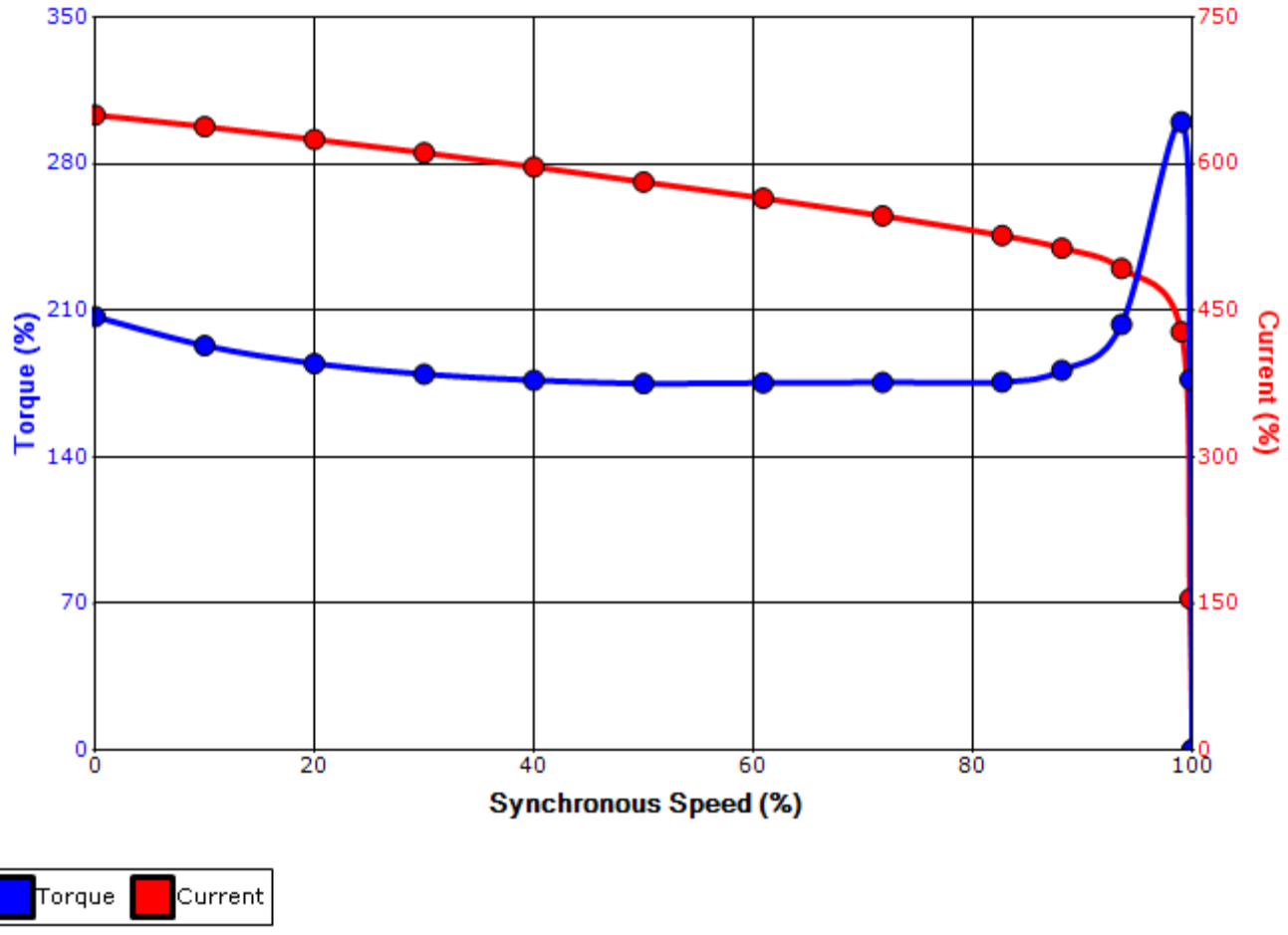
Model: 6006QDSC31A-R

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
600	447	6	1190	B587LL	575	60	3	614

Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	54	F	1.15	CONT	96.2	-		40 C

Locked Rotor Amps	Rotor wk² Inertia (lb-ft²)	Torque			
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)	Break Down (%)
3989	451.19	2648	205	175	300

Design Values



Customer			wk² Load Inertia (lb-ft²)	-
Customer PO			Load Type	-
Sales Order			Voltage (%)	100
Project #			Accel. Time	-

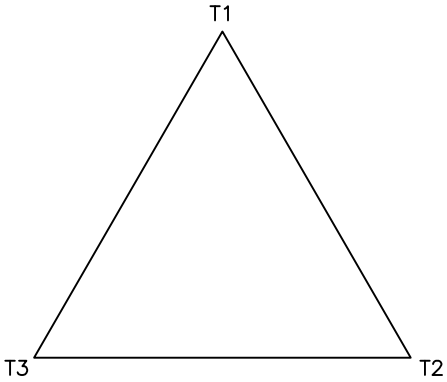
Tag:

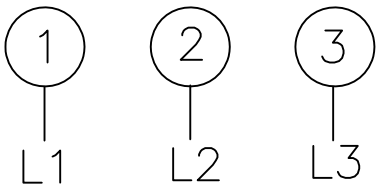
All characteristics are average expected values.

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

Engineering	SSuryani	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0
Engr. Date	6/25/2021	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.