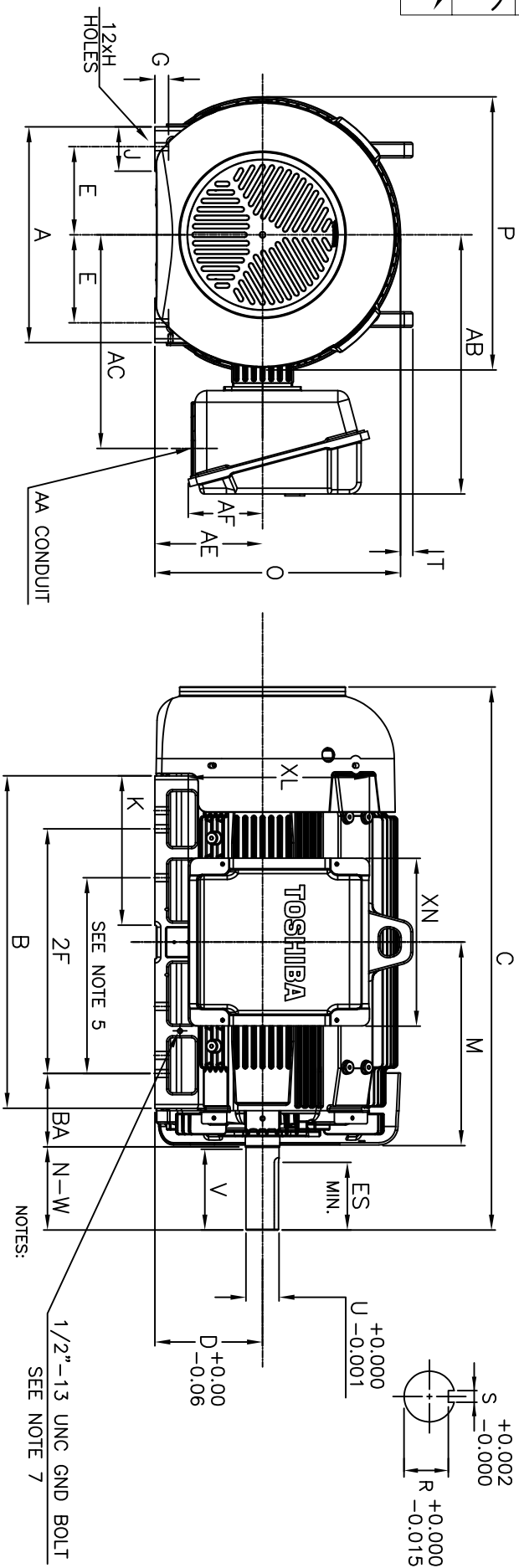
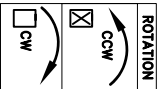




UNITS: INCHES

FRAME SIZE	MOTOR DIMENSIONS											CONDUIT BOX						
	A	B	C	D	G	J	K	M	O	P	T	A ₁ [N ₁ T ₁]	AB	AC	AE	AF	XL	XN
S447T/S449T	22.0	34.0	55.5	11.00	1.4	4.5	15.3	20.8	25.0	27.9	1.3	4.00	26.5	21.8	11.00	7.6	18.5	17.1
FRAME SIZE	MOUNTING				SHAFT EXTENSION				KEY SEAT			BEARINGS			MAXIMUM WEIGHT			
	E	2F	H	BA	N-W	V	U	R	S	ES	LS ROLLER	OS	4~6P					
S447T/S449T	9.00	20.00/25.00	0.82	7.50	8.50	8.25	3.375	2.880	0.875	6.91	NU322C3	6318C3	2330 lb					

- NOTES:
- DIMENSION V REPRESENTS LENGTH OF STRAIGHT PART OF SHAFT
 - MAIN CONDUIT BOX MAY BE ROTATED IN 90° INCREMENTS
 - "T" KEY DIMENSIONS EQUAL S x S x 6.88 (MOTOR SUPPLIED WITH KEY)
 - MOTOR WEIGHT SHOWN IS MAXIMUM HORSEPOWER IN FRAME
 - THIS DIMENSION EQUALS 2F FOR S447T MOUNTING
 - STANDARD PRODUCT USE BI-DIRECTIONAL FAN, OPPOSITE ROTATION AVAILABLE ONLY BY CONNECTION CHANGE
 - FRAME GROUND BOLT STANDARD

CUSTOMER: _____ MOTOR MODEL NO.: _____

TAG NO's.: _____

P.O. NO.: _____ HP: _____ VOLTAGE: _____ RPM(SYN.): _____ HZ: _____
FRAME SIZE: S447/9 _____ PRODUCT TYPE: IEFC EGP PREMIUM EFFICIENCY QUARRY DUTY
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
TOTALLY-ENCLOSED FAN-COOLED
HORIZONTAL FOOT-MOUNTED
3 PHASE INDUCTION MOTOR
F1 ASSEMBLY

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

XT SERIES
VISIT OUR WEBSITE AT:
www.toshiba.com/ind

TYPICAL MOTOR PERFORMANCE DATA

Model: 3004QDSB41A-RF

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
300	224	4	1788	S449T	460	60	3	350
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.15	CONT	96.2	B		40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	300.00	223.7	350	96.4	83.1
¾ Load	225.00	167.8	272	95.7	80.9
½ Load	150.00	111.9	200	93.7	74.8
¼ Load	75.00	55.9	138	88.4	57.3
No Load			126.3		3.0
Locked Rotor			2271		25.9

Torque				Rotor wk² Inertia (lb-ft²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
881	185	155	250	142.02

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
29	13	82	NU322C3	6318C3	

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

Motor Options:
Product Family:Quarry
Mounting:Footed,Shaft:T Shaft

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values.

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

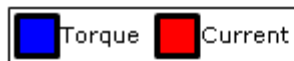
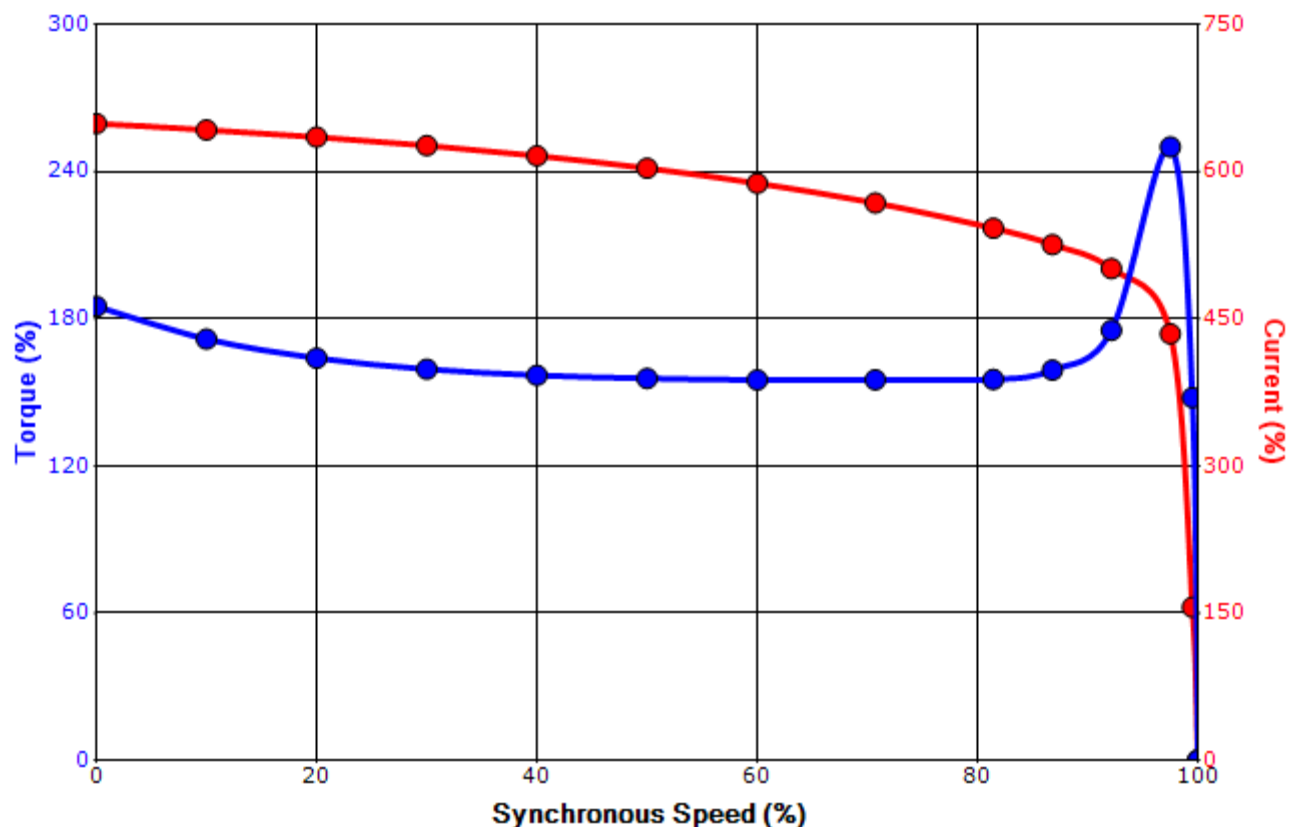
Engineering	zxie	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	9/25/2023	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

SPEED TORQUE/CURRENT CURVE

Model: 3004QDSB41A-RF

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
300	224	4	1788	S449T	460	60	3	350
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.15	CONT	96.2	B		40 C
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque						
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)		Break Down (%)		
2271	142.02	881	185	155		250		

Design Values



Customer		wk ² Load Inertia (lb-ft ²)	-
Customer PO		Load Type	-
Sales Order		Voltage (%)	100
Project #		Accel. Time	-

Tag:

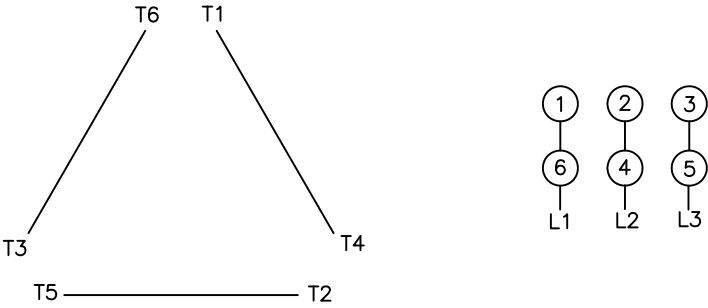
All characteristics are average expected values.

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

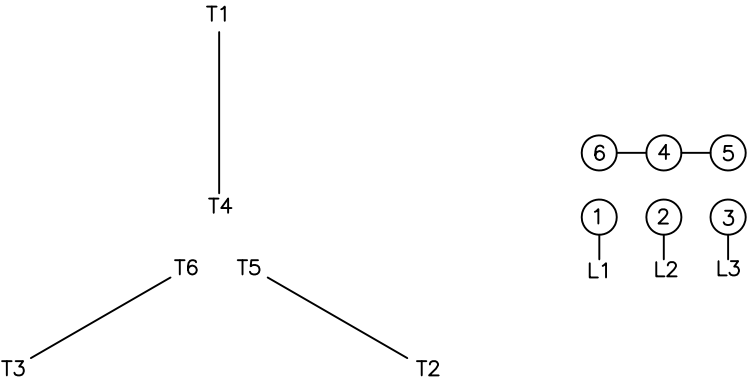
Engineering	zxie	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0
Engr. Date	9/25/2023	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

Motor Connection Diagrams
6 Leads

Across the Line Starting / Run - Delta:



Alternate Starting Connection - Wye:



Switch L1 and L2 to reverse rotation