

UNITS: INCHES

FRAME SIZE	MOTOR DIMENSIONS										
	A	B	C	D	G	J	K	M	O	P	T
B447TS/B449TS	22.0	38.9	56.8	11.00	1.4	4.5	17.7	23.3	25.1	27.9	1.3
B447T/B449T	22.0	38.9	60.5	11.00	1.4	4.5	17.7	23.3	25.1	27.9	1.3

FRAME SIZE	CONDUIT BOX											
	AA(NPT)	AB <sub>1</sub>	AB <sub>2</sub>	AC <sub>1</sub>	AC <sub>2</sub>	AE	AF <sub>1</sub>	AF <sub>2</sub>	XL <sub>1</sub>	XL <sub>2</sub>	XN <sub>1</sub>	XN <sub>2</sub>
B447/9T - B447/9TS	4.00	29.8	23.8	22.4	19.6	11.00	9.6	9.1	23.4	15.2	14.2	10.2

FRAME SIZE	MOUNTING				SHAFT EXTENSION				KEY SEAT				BEARINGS				MAXIMUM WEIGHT
	E	2F	H	BA	N-W	V	U	R	S	ES	IS ROLLER	IS BALL 6/8P	IS BALL 4P	OS 4-8P			
B447TS/B449TS	9.00	20.00/25.00	0.81	7.50	4.75	4.50	2.375	2.021	0.625	3.03	-	6318C3	6318C3	6318C3	4500 lbs.		
B447T/B449T	9.00	20.00/25.00	0.81	7.50	8.50	8.25	3.375	2.880	0.875	6.91	NU322C3	6322C3	6318C3	6318C3	4500 lbs.		

CUSTOMER: \_\_\_\_\_ MOTOR MODEL NO.: \_\_\_\_\_ TAG NO's: \_\_\_\_\_

P.O. NO.: \_\_\_\_\_ HP: \_\_\_\_\_ VOLTAGE: \_\_\_\_\_ RPM(STN.): \_\_\_\_\_ HZ: \_\_\_\_\_

FRAME SIZE: \_\_\_\_\_ PRODUCT TYPE: IEC EQP III SD & 841

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

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

- NOTES:
- DIMENSION V REPRESENTS LENGTH OF STRAIGHT PART OF SHAFT.
  - MAIN CONDUIT BOX MAY BE ROTATED IN 90° INCREMENTS.
  - \*TS\* KEY DIMENSIONS EQUAL S x S x 3.00 (\*TS\* 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 B447T MOUNTING.
  - STANDARD PRODUCT USE BI-DIRECTIONAL FAN, OPPOSITE ROTATION AVAILABLE ONLY BY CONNECTION CHANGE.
  - FRAME GROUND BOLT STANDARD ON 841 PRODUCT.
  - ONLY FOR 400HP/4 POLE/460V & 350HP/6 POLE/460V MOTORS.

**TOSHIBA**

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

**XT SERIES**

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TOSHIBA INTERNATIONAL CORPORATION

**TYPICAL MOTOR PERFORMANCE DATA**

Model: 3006SDSC41A

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
300	224	6	1185	B449T	575	60	3	285
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	54	F	1.15	CONT	95.8	B		40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	300.00	223.7	284	95.7	82.4
¾ Load	225.00	167.8	222	95.1	79.5
½ Load	150.00	111.9	166	93.7	71.9
¼ Load	75.00	55.9	122	89.0	51.7
No Load			102.8		3.1
Locked Rotor			1760		23.9

Torque				Rotor wk <sup>2</sup>
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	Inertia (lb-ft <sup>2</sup> )
1330	160	105	255	207.92

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
35	15	82	6322C3	6318C3	

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

**Motor Options:**  
Product Family:EQP Global SD  
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.**

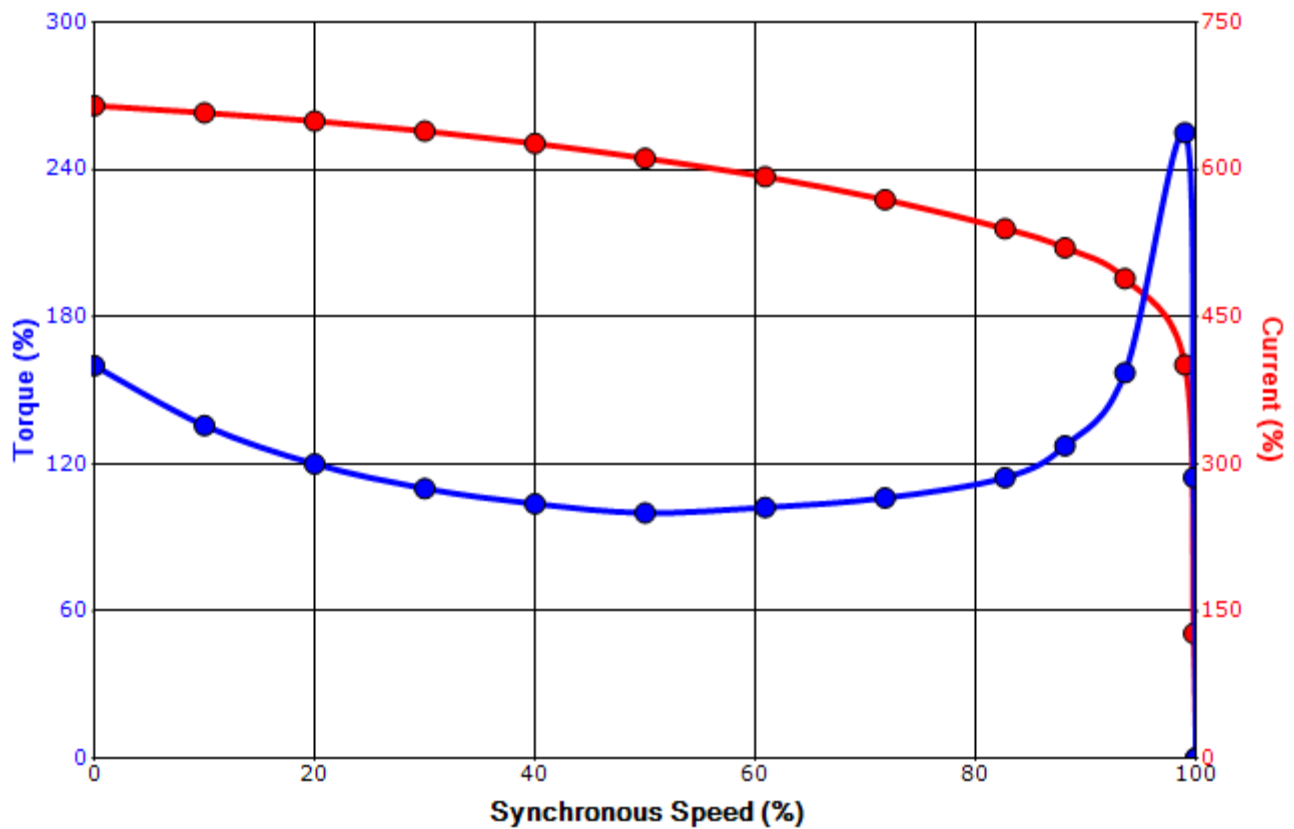
Engineering	zxie	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	6/5/2020	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

**SPEED TORQUE/CURRENT CURVE**

Model: 3006SDSC41A

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
300	224	6	1185	B449T	575	60	3	285
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	54	F	1.15	CONT	95.8	B		40 C
Locked Rotor Amps	Rotor wk <sup>2</sup> Inertia (lb-ft <sup>2</sup> )	Torque				Pull Up (%)	Break Down (%)	
		Full Load (lb-ft)	Locked Rotor (%)					
1760	207.92	1330	160		105	255		

**Design Values**



Customer		wk <sup>2</sup> Load Inertia (lb-ft <sup>2</sup> )	-
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	6/5/2020	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