

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 ₁	AB ₂	AC ₁	AC ₂	AE	AF ₁	AF ₂	XL ₁	XL ₂	XN ₁	XN ₂
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 (*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

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

TOSHIBA INTERNATIONAL CORPORATION

TYPICAL MOTOR PERFORMANCE DATA

Model: 3504XSSB41A

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
350	261	4	1790	B449T	460	60	3	399
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	56	F	1.15	CONT	96.2	B		40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	350.00	261.0	398	95.9	85.6
¾ Load	262.50	195.7	304	95.3	84.6
½ Load	175.00	130.5	216	93.8	80.6
¼ Load	87.50	65.2	140	89.1	65.4
No Load			116.4		4.6
Locked Rotor			2538		27.4

Torque				Rotor wk ² Inertia (lb-ft ²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
1027	190	165	225	168.37

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
30	9	87	6318C3	6318C3	

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

Motor Options:
Product Family:EQP Global 840
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.

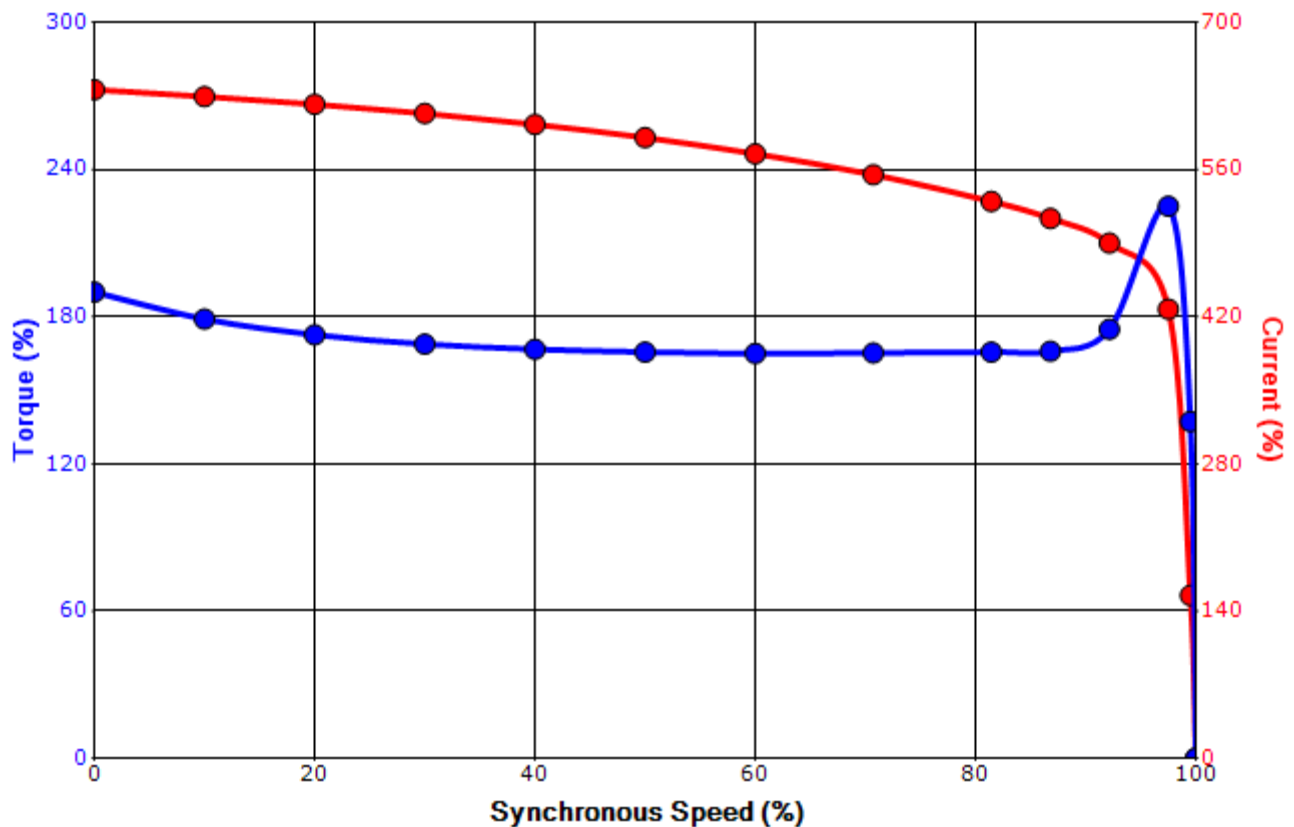
Engineering	zxie	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	7/28/2020	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

SPEED TORQUE/CURRENT CURVE

Model: 3504XSSB41A

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
350	261	4	1790	B449T	460	60	3	399
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	56	F	1.15	CONT	96.2	B		40 C
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque						Break Down (%)
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)				
2538	168.37	1027	190	165			225	

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	7/28/2020	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