



FRAME SIZE	MOUNTING				CONDUIT BOX						
	E	2F	H	BA	AA	AB	AC	AE	AF	XL	XN
447T/TS	9.00	20.00	0.81	7.50	4.0 Δ	20.86	15.98	14.15	8.66	--	--
449T/TS	9.00	25.00	0.81	7.50	4.0 Δ	20.86	15.98	14.15	8.66	--	--

UNITS: INCHES

FRAME SIZE	MOTOR DIMENSIONS										
	A	B	C	D	G	J	K	M	O	T	P
447T	22.05	22.83	43.20	11.00	1.18	4.33	4.72	--	22.81	3.54	22.05
447TS	22.05	22.83	39.45	11.00	1.18	4.33	4.72	--	22.81	3.54	22.05
449T	22.05	27.83	49.77	11.00	1.18	4.33	4.72	--	22.81	3.54	22.05
449TS	22.05	22.83	46.02	11.00	1.18	4.33	4.72	--	22.81	3.54	22.05

FRAME SIZE	SHAFT EXTENSION			KEY SEAT			BEARINGS		Δ MAXIMUM WEIGHT
	N-W	V	U	R	S	ES	LS	OS	
447T	8.50	8.25	3.375	2.880	0.875	6.91	Δ 6318	6318	1887 2100 lbs.
447TS	4.75	4.50	2.375	2.021	0.625	3.03	6313C3	6313C3	1938 2100 lbs.
449T	8.50	8.25	3.375	2.880	0.875	6.91	Δ 6318	6318	2300 lbs.
449TS	4.75	4.50	2.375	2.021	0.625	3.03	6313C3	6313C3	2150 lbs.

ALL DATA SUBJECT TO CHANGE WITHOUT NOTICE.
FOR CONSTRUCTION USE ONLY CERTIFIED DATA.

CERTIFIED DATA

- NOTES:
1. DIMENSION V REPRESENTS LENGTH OF STRAIGHT PART OF SHAFT.
 2. CONDUIT BOX MAY BE ROTATED IN 90° INCREMENTS AND MAY BE MOUNTED ON OPPOSITE SIDE ON SPECIAL ORDER.
 3. "T" KEY DIMENSIONS EQUAL S x S x 6.89
"TS" KEY DIMENSIONS EQUAL S x S x 3.03 (MOTOR SUPPLIED WITH KEY)
 4. MOTOR WEIGHT SHOWN IS MAXIMUM HORSEPOWER IN FRAME.

CUSTOMER: _____ P.O. NO.: _____ TAG NO.: _____
 MOTOR MODEL NO.: **2504DPSB31A-P** TOSHIBA FILE NO.: _____
 HP: **250** RPM (SYN.): **1800** VOLTAGE: **460** Hz: **60**
 FRAME SIZE: **447T** LOG NO.: _____ LOG REV. LEVEL: _____
 REMARKS: _____

PER: _____ ISSUE DATE: _____ SUPERSEDES: _____

TOSHIBA INTERNATIONAL CORPORATION
Industrial Division / Houston Motor Plant

**SQUIRREL CAGE INDUCTION MOTOR
 PERFORMANCE SPECIFICATIONS**

INDEX	MPCF-1033
SHEET NO.	1 of 1
ISSUED	11/08/96
SUPERSEDES	10/06/95
REVISION	1
WRITTEN BY	R. EVANS
APPROVED BY	<i>Jay Bugbee</i>

Customer Tag:

CUSTOMER:
 TIC SR No.:
 Customer PO:

MOTOR NAMEPLATE DATA

H.P.: 250	VOLTS: 460	3 Ø / 60	Hz	S. RPM: 1800
FRAME: 447T	ENCL: ODP	FLAMPS: 278		FLRPM: 1785
FORM: VBK1	S.F.: 1.15	NEMA DESIGN: B		INSUL CLASS: F
TYPE: TIKK	AMB.: 40C	CODE: G		DUTY: CONT.
MODEL No.: 2504DPSB31A-P		kW: 185		Serial No.:
NOM. EFF.: 95.8	MIN. EFF.:	P.F.: 88.5		

AMPERAGE Locked Rotor: 1872	TORQUES FULL LOAD (lb-ft.): 738 LOCKED ROTOR (%): 150 BREAK DOWN (%): 240	** BEARINGS: Drive End: 6318 Opposite Drive End: 6318
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EFFICIENCY (%) FULL LOAD: 95.8 3/4 LOAD: 96.2 1/2 LOAD: 96.2	POWER FACTOR (%) FULL LOAD: 88 3/4 LOAD: 86 1/2 LOAD: 82
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ALL CHARACTERISTICS ARE AVERAGE EXPECTED VALUES BASED UPON RATED VOLTAGE, FREQUENCY AND SINEWAVE POWER INPUT.

* TEMPERATURE RISE WILL BE CONSISTENT WITH INSULATION, AMBIENT AND SERVICE FACTOR AS DEFINED BY NEMA-MG-12.43 OR -20.40.

** BEARINGS ARE THE ONLY RECOMMENDED SPARE PART(S).

CERTIFIED BY:
DATE:

TOSHIBA

Reliability in Motion

TOSHIBA INTERNATIONAL CORPORATION

INDUSTRIAL DIVISION

PO BOX 40906

HOUSTON TX 77240

(713) 466-0277

(800) 231-1412

FAX (713) 466-8773

SPARE PARTS (RECOMMENDED)

OTHER THAN THE GREASE USED FOR RE-GREASABLE BEARINGS, **TOSHIBA** ADVISES THAT THERE ARE NO "USE" PARTS. THE ONLY INSURANCE SPARES THAT **TOSHIBA** SUGGESTS FOR THESE SQUIRREL CAGE INDUCTION MOTORS ARE INDUSTRY STANDARD, AND COMMERCIALY AVAILABLE ANTI-FRICTION BEARINGS, AS NOTED BELOW.

MOTOR COMPONENTS (SUCH AS TERMINAL BOXES, FAN COVERS, MACHINED PARTS) ARE AVAILABLE UPON SPECIAL REQUEST. IN THIS CASE, PLEASE ADVISE OUR ORDER ENTRY DEPARTMENT THE MODEL AND SERIAL NUMBERS (FOUND ON THE MOTOR NAMEPLATE) , AND A DESCRIPTION OF THE COMPONENT REQUIRED. THEY WILL THEN FURNISH THE CURRENT PART NUMBER, PRICE AND AVAILABILITY.

(NOTE: OUR INTERNAL PART NUMBERS ARE SUBJECT TO CHANGE WITHOUT NOTICE, AND ARE NOT PUBLISHED).

PLEASE ADVISE IF YOU HAVE ANY QUESTIONS.

CUSTOMER:

PURCHASE ORDER #

Customer Tag:

TOSHIBA FILE #

MODEL # 2504DPSB31A-P

HP / RPM / ENCL / FRAME: 250 / 1800 / ODP / 447T

DRIVE END BEARING: 6318

OPPOSITE DRIVE END BEARING: 6318

Prepared By:

Date: