



UNITS: INCHES

FRAME SIZE	FLANGE						
	AJ	AK	BB	BC	BD	BF TAP	BV
324TC/324TSC	11.000	12.500	0.25	0.25	17.75	5/8"-11UNC	10.75
326TC/326TSC	11.000	12.500	0.25	0.25	17.75	5/8"-11UNC	11.5

FRAME SIZE	MOTOR DIMENSIONS		CONDUIT BOX		
	C	BH	AA	AB	AC
324TC	29.7	19.13	2.48	14.37	12
324TSC	26.32	19.13	2.48	14.37	12
326TC	31.32	19.13	2.48	14.37	12
326TSC	27.82	19.13	2.48	14.37	12

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 3.88  
"TS" KEY DIMENSIONS EQUAL S x S x 2.00 (MOTOR SUPPLIED WITH KEY)
4. MOTOR WEIGHT SHOWN IS MAXIMUM HORSEPOWER IN FRAME.

FRAME SIZE	SHAFT EXTENSION				KEY SEAT			BEARINGS		MAXIMUM WEIGHT
	AH	N-W	V	U	R	S	ES	LS	OS	
324TC/326TC	5.00	5.25	5.00	2.125	1.845	0.500	3.91	6312	6212	585 lbs.
324TSC/326TSC	3.50	3.75	3.50	1.875	1.591	0.500	2.03	6312C3	6212C3	504 lbs.

CERTIFIED DATA

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

CUSTOMER: \_\_\_\_\_ P.O. NO.: \_\_\_\_\_ TAG NO.: \_\_\_\_\_

MOTOR MODEL NO.: 0502FTSC24B-P TOSHIBA FILE NO.: \_\_\_\_\_

HP: 50 RPM (SYN.): 3600 VOLTAGE: 575 Hz: 60

FRAME SIZE: 326TSC LOG NO.: \_\_\_\_\_ LOG REV. LEVEL: \_\_\_\_\_

REMARKS: \_\_\_\_\_

PER: \_\_\_\_\_ ISSUE DATE: \_\_\_\_\_ SUPERSEDES: \_\_\_\_\_

**TOSHIBA/HOUSTON**

TOTALLY-ENCLOSED  
FAN-COOLED  
C-FACE MOUNTED  
Fr. 324TC-326TC  
Fr. 324TSC-326TSC

**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.: 50	VOLTS: 575	3 Ø / 60	Hz	S. RPM: 3600
FRAME: 326TSC	ENCL: TEFC	FLAMPS: 48.0		FLRPM: 3550
FORM: FCKL1	S.F.: 1.15	NEMA DESIGN: B		INSUL CLASS: F
TYPE: TIKK	AMB.: 40	CODE: G		DUTY: CONT.
MODEL No.: 0502FTSC24B-P		kW:		Serial No.:
NOM. EFF.:	MIN. EFF.:	P.F.:91		

<b>AMPERAGE</b> Locked Rotor: 290.00	<b>TORQUES</b> FULL LOAD (lb-ft.): 74.2 LOCKED ROTOR (%): 180 BREAK DOWN (%): 220	<b>** BEARINGS:</b> Drive End: 6312C3 Opposite Drive End: 6212C3
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<b>EFFICIENCY (%)</b> FULL LOAD: 92.4 3/4 LOAD: 91.5 1/2 LOAD: 90.0	<b>POWER FACTOR (%)</b> FULL LOAD: 86.5 3/4 LOAD: 85.0 1/2 LOAD: 80.5
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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 # 0502FTSC24B-P  
HP / RPM / ENCL / FRAME: 50 / 3600 / TEFC / 326TSC  
DRIVE END BEARING: 6312C3  
OPPOSITE DRIVE END BEARING: 6212C3

**Prepared By:**  
**Date:**