



- NOTES:
1. DIMENSION V REPRESENTS LENGTH OF STRAIGHT PART OF SHAFT
 2. MAIN CONDUIT BOX MAY BE ROTATED IN 90° INCREMENTS
 3. KEY DIMENSIONS EQUAL S x S x 3.88 FOR T AND S x S x 2.00 FOR TS (MOTOR SUPPLIED WITH KEY)
 4. MOTOR WEIGHT SHOWN IS MAXIMUM HORSEPOWER IN FRAME
 5. THIS DIMENSION EQUALS 2F FOR 324T/TS MOUNTING
 6. STANDARD PRODUCT USE BI-DIRECTIONAL FAN. OPPOSITE ROTATION AVAILABLE ONLY BY CONNECTION CHANGE
 7. FRAME GROUND BOLT STANDARD ON 841 PRODUCT

UNITS: INCHES

FRAME SIZE	MOTOR DIMENSIONS											CONDUIT BOX						
	A	B	C	D	G	J	K	M	O	P	T	AA	AB	AC	AE	AF	XL	XN
324TS/326TS	14.9	15.2	32.0	8.00	0.9	3.2	0	11.1	15.9	16.1	2.4	2.00	13.8	11.1	8.00	5.6	9.7	7.1
324T/326T	14.9	15.2	33.5	8.00	0.9	3.2	0	11.1	15.9	16.1	2.4	2.00	13.8	11.1	8.00	5.6	9.7	7.1

FRAME SIZE	MOUNTING			SHAFT EXTENSION				KEY SEAT			BEARINGS		MAXIMUM WEIGHT
	E	2F	H	BA	N-W	V	U	R	S	ES	LS	OS	
324TS/326TS	6.25	10.50/12.00	0.69	5.25	3.75	3.50	1.875	1.591	0.500	2.00	6312C3	6312C3	600 lbs.
324T/326T	6.25	10.50/12.00	0.69	5.25	5.25	5.00	2.125	1.845	0.500	3.88	6312C3	6312ZC3	600 lbs.

CUSTOMER: _____ MOTOR MODEL NO.: 0404FCFB31A

P.O. NO.: _____ HP: 40 VOLTAGE: 460 RPM(SYN.): 1800 Hz: 60

FRAME SIZE: 324T PRODUCT TYPE: TEFC VECTOR READY EQP III

COMMENTS: _____

TAG NO's.: _____

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

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

TOSHIBA INTERNATIONAL CORPORATION

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
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.: 40	VOLTS: 460	3 Ø / 60	Hz	S. RPM: 1800
FRAME: 324T	ENCL: TEFC	FLAMPS: 46.9		FLRPM: 1770
FORM: FCKL1	S.F.: 1.0	NEMA DESIGN: B		INSUL CLASS: F
TYPE: TIKK	AMB.: 40	CODE: H		DUTY: CONT.
MODEL No.: 0404FCFB31A		kW:		Serial No.:
NOM. EFF.:	MIN. EFF.:	P.F.: 82.1		

AMPERAGE Locked Rotor: 330	TORQUES FULL LOAD (lb-ft.): 119 LOCKED ROTOR (%): 290 BREAK DOWN (%): 250	** BEARINGS: Drive End: 6312C3 Opposite Drive End: 6312ZZC3
--------------------------------------	---	--

EFFICIENCY (%) FULL LOAD: 94.1 3/4 LOAD: 93.6 1/2 LOAD: 91.8	POWER FACTOR (%) FULL LOAD: 84.8 3/4 LOAD: 82.1 1/2 LOAD: 74.7
--	--

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 # 0404FCFB31A
HP / RPM / ENCL / FRAME: 40 / 1800 / TEFC / 324T
DRIVE END BEARING: 6312C3
OPPOSITE DRIVE END BEARING: 6312ZZC3

Prepared By:
Date:

Three Phase Motor Wiring Diagram
"Across the line" (Full Voltage) Starting



Customer Name:	
PO No.:	
Customer Tag:	
TIC File No.:	
Motor Model No.	0404FCFB31A

For Further Information Regarding Toshiba motor starting, maintenance or wiring,
Please refer to the "Toshiba - A Quality Product for World Energy" Installation and
Maintenance Manual, or contact the Toshiba Low Voltage Motor Marketing Department.
(800) 231-1412

Prepared By:
Date: