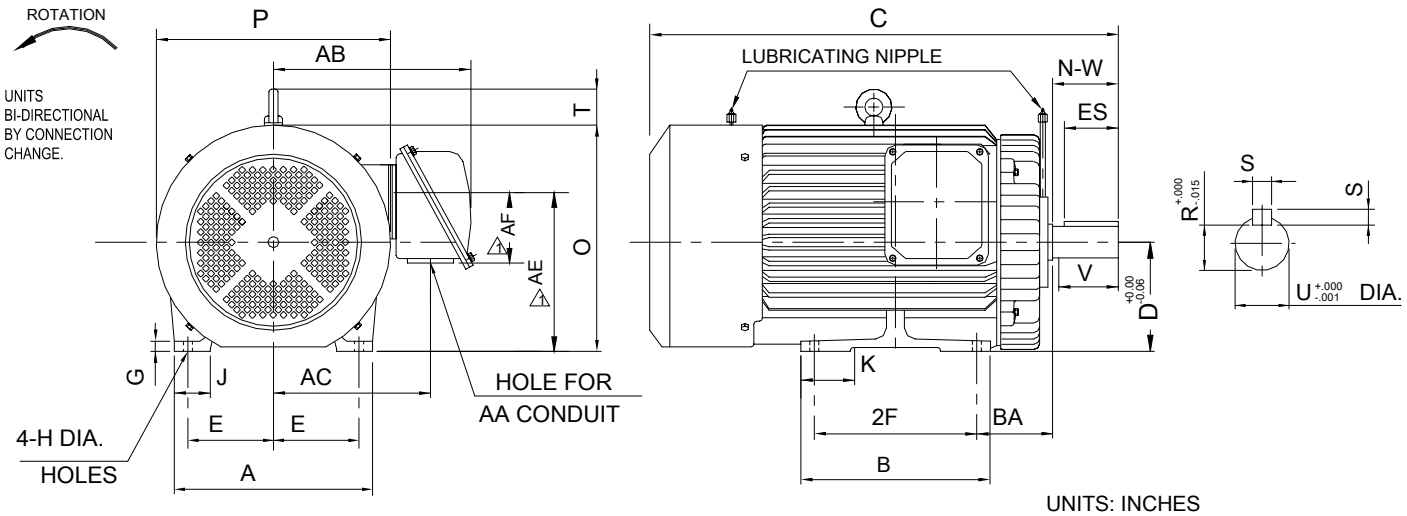
INDEX	SAS003533
REV. LEVEL	1
SHEET	1 OF 1

TOSHIBA/HOUSTON

TOTALLY-ENCLOSED FAN-COOLED
HORIZONTAL FOOT-MOUNTED

Fr. 444T/TS-445T/TS



UNITS: INCHES

FRAME SIZE	MOUNTING				CONDUIT BOX						
	E	2F	H	BA	AA	AB	AC	AE	AF	XL	XN
444T/444TS	9.00	14.50	0.81	7.50	NPT3"	22.24	16.85	14.98 ⚠1	9.94 ⚠1	--	--
445T/445TS	9.00	16.50	0.81	7.50	NPT3"	22.24	16.85	14.98 ⚠1	9.94 ⚠1	--	--

FRAME SIZE	MOTOR DIMENSIONS									
	A	B	C	D	G	J	K	O	T	P
444T	22.05	17.32	44.13	11.00	1.34	4.33	4.72	23.00	3.54	25.83
444TS	22.05	17.32	40.38	11.00	1.34	4.33	4.72	23.00	3.54	25.83
445T	22.05	19.29	46.13	11.00	1.34	4.33	4.72	23.00	3.54	25.83
445TS	22.05	19.29	42.38	11.00	1.34	4.33	4.72	23.00	3.54	25.83

FRAME SIZE	SHAFT EXTENSION			KEY SEAT			BEARINGS		MAXIMUM WEIGHT
	N-W	V	U	R	S	ES	LS	OS	
444T	8.50	8.25	3.375	2.880	0.875	6.91	NU220	6315	1772 lbs.
444TS	4.75	4.50	2.375	2.021	0.625	3.03	6313C3	6313C3	1760 lbs.
445T	8.50	8.25	3.375	2.880	0.875	6.91	NU220	6315	2015 lbs.
445TS	4.75	4.50	2.375	2.021	0.625	3.03	6313C3	6313C3	1847 lbs.

ALL DATA SUBJECT TO CHANGE WITHOUT NOTICE.
FOR CONSTRUCTION USE ONLY 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 6.875
"TS"KEY DIMENSIONS EQUAL S x S x 3.000 (MOTOR SUPPLIED WITH KEY)
4. MOTOR WEIGHT SHOWN IS MAXIMUM HORSEPOWER IN FRAME.

CERTIFIED DATA

CUSTOMER: _____ P.O. NO.: _____ TAG NO.: _____

MOTOR MODEL NO.: 1254FTCA21A-P TOSHIBA FILE NO.: _____

HP: 125 RPM (SYN.): 1800 VOLTAGE: 230/460 Hz: 60

FRAME SIZE: 444T 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	Jay Bugbee

Customer Tag:

CUSTOMER:
TIC SR No.:
Customer PO:

MOTOR NAMEPLATE DATA

H.P.:	125	VOLTS:	230/460	3 Ø /	60	Hz	S. RPM: 1800
FRAME:	444T	ENCL:	TEFC	FLAMPS:	147		FLRPM: 1775
FORM:	FBK1	S.F.:	1.15	NEMA DESIGN:	C		INSUL CLASS: F
TYPE:	TIKK	AMB.:	40C	CODE:	G		DUTY: CONT.
MODEL No.:	1254FTCA21A-P			kW:	90		Serial No.:
NOM. EFF.:	94.5	MIN. EFF.:		P.F.:	87.0		

AMPERAGE
Locked Rotor: 1078

TORQUES
FULL LOAD (lb-ft.): 370.00
LOCKED ROTOR (%): 200
BREAK DOWN (%): 260

**** BEARINGS:**
Drive End: 6315
Opposite Drive End: NU220

EFFICIENCY (%)
FULL LOAD: 94.5
3/4 LOAD: 93.5
1/2 LOAD: 93.5

POWER FACTOR (%)
FULL LOAD: 85.5
3/4 LOAD: 82.5
1/2 LOAD: 76.5

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 (800) 231-1412
(713) 466-0277 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 COMMERCIALLY 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.

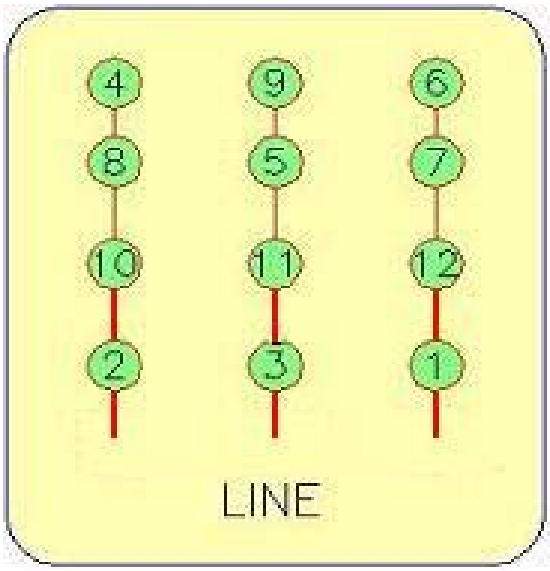
CUSTOMER:
PURCHASE ORDER #
Customer Tag:

TOSHIBA FILE #
MODEL # 1254FTCA21A-P
HP / RPM / ENCL / FRAME: 125 / 1800 / TEFC / 444T
DRIVE END BEARING: 6315
OPPOSITE DRIVE END BEARING: NU220

Prepared By:
Date:

TOSHIBA Reliability in Motion

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



Customer Name:	
PO No.:	
Customer Tag:	
TIC File No.:	
Motor Model No.	1254FTCA21A-P

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: