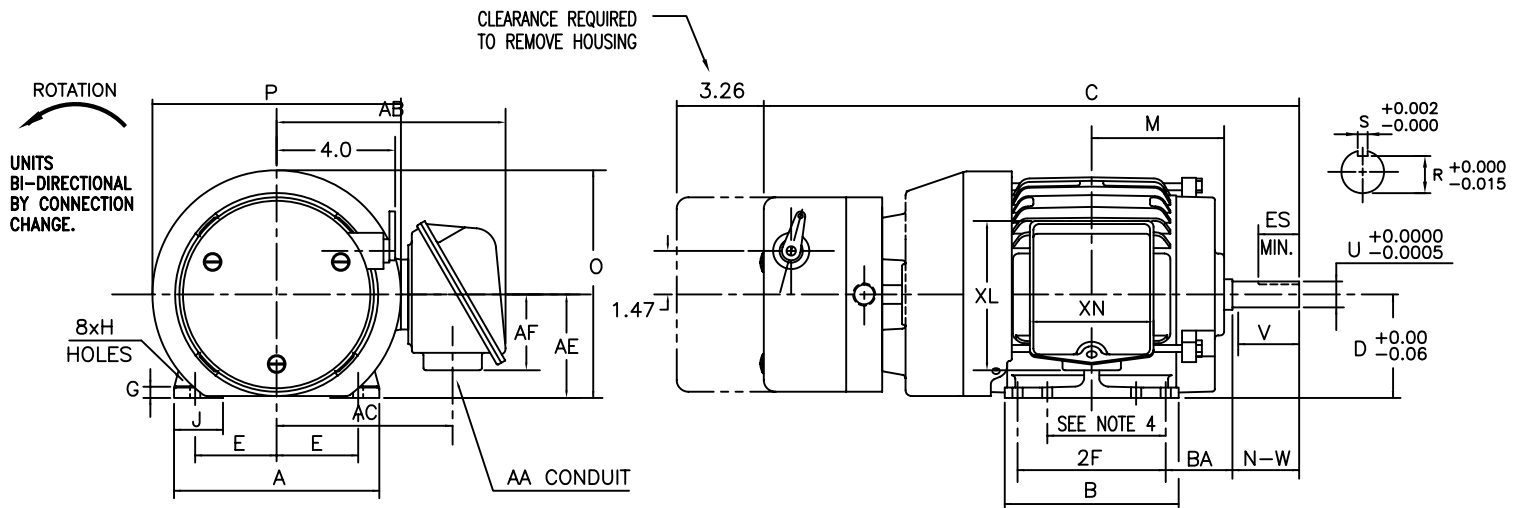


TOSHIBA/HOUSTON
CAST IRON PARTS

**TOTALLY-ENCLOSED FAN-COOLED
HORIZONTAL FOOT-MOUNTED
BRAKE SERIES MOTOR (56,200 MODEL BRAKE @ 6 & 10 Lb-Ft)**

Fr. 143T-145T



UNITS: INCHES

FRAME SIZE	MOUNTING				CONDUIT BOX						
	E	2F	H	BA	AA	AB	AC	AE	AF	XL	XN
143T	2.75	4.00	0.34	2.25	0.75	7.6	5.8	3.5	2.6	5.0	4.2
145T	2.75	5.00	0.34	2.25	0.75	7.6	5.8	3.5	2.6	5.0	4.2

FRAME SIZE	MOTOR DIMENSIONS								
	A	B	C	D	G	J	M	O	P
143T/145T	6.9	5.9	18.9	3.50	0.35	1.6	4.47	7.7	8.4

FRAME SIZE	SHAFT EXTENSION			KEY SEAT			BEARINGS		MAXIMUM WEIGHT
	N-W	V	U	R	S	ES	LS	OS	
143T/145T	2.25	2.00	0.875	0.771	0.188	1.41	6205ZZ	6205ZZ	106 lbs

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. KEY DIMENSIONS EQUAL S x S x 1.38 (MOTOR SUPPLIED WITH KEY)
4. DIMENSIONS FOR 143T MOUNTING EQUAL (2F) LOCATED IN 143T SIDE VIEW.
5. MOTOR WEIGHT SHOWN IS MAXIMUM HORSEPOWER IN FRAME.

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

CERTIFIED DATA

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

MOTOR MODEL NO.: **BY1543LF1BMHD** TOSHIBA FILE NO.: _____

HP: **1.5** RPM (SYN.): **1800** VOLTAGE: **460** Hz: **60**

FRAME SIZE: **145T** 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.: 1.5	VOLTS: 460	3 Ø / 60	Hz	S. RPM: 1800
FRAME: 145T	ENCL: TEFC	FLAMPS: 2.2		FLRPM: 1740
FORM: FCK1	S.F.: 1.15	NEMA DESIGN: B		INSUL CLASS: F
TYPE: IKH	AMB.: 40	CODE: L		DUTY: CONT.
MODEL No.: BY1543LF1BMHD		kW:		Serial No.:
NOM. EFF.:	MIN. EFF.: 84	P.F.: 79		

AMPERAGE	TORQUES	** BEARINGS:
Locked Rotor: 20	FULL LOAD (lb-ft.): 4.53	Drive End: 6205ZZ
	LOCKED ROTOR (%): 385	Opposite Drive End: 6205ZZ
	BREAK DOWN (%): 370	

EFFICIENCY (%)	POWER FACTOR (%)
FULL LOAD: 86.9	FULL LOAD: 78.7
3/4 LOAD: 87.1	3/4 LOAD: 71.1
1/2 LOAD: 85.7	1/2 LOAD: 59.2

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).
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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 # BY1543LF1BMHD

HP / RPM / ENCL / FRAME: 1.5 / 1800 / TEFC / 145T

DRIVE END BEARING: 6205ZZ

OPPOSITE DRIVE END BEARING: 6205ZZ

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. BY1543LF1BMHD

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: