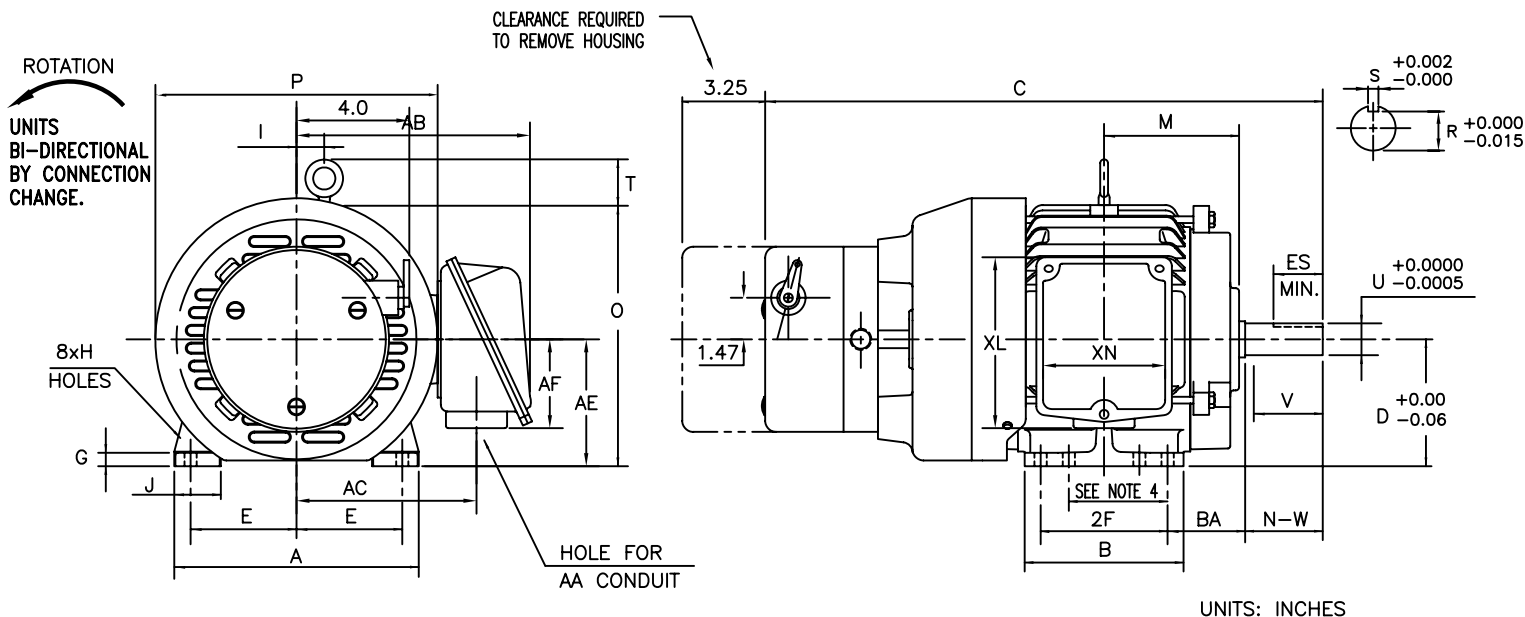


TOSHIBA/HOUSTON
CAST IRON PARTS

**TOTALLY-ENCLOSED FAN-COOLED
HORIZONTAL FOOT-MOUNTED
BRAKE SERIES MOTOR (56,200 MODEL BRAKE @ 10 & 15 Lb-Ft)**

Fr. 182T-184T



FRAME SIZE	MOUNTING				CONDUIT BOX							
	E	2F	H	BA	AA	AB	AC	AE	AF	XL	XN	
182T	3.75	4.50	0.44	2.75	0.75	8.3	6.4	4.5	3.2	6.1	4.8	
184T	3.75	5.50	0.44	2.75	0.75	8.3	6.4	4.5	3.2	6.1	4.8	

FRAME SIZE	MOTOR DIMENSIONS										
	A	B	C	D	G	I	J	M	O	P	T
182T/184T	8.7	6.6	21.57	4.50	0.5	1.0	1.6	5.3	9.4	10.0	1.7

FRAME SIZE	SHAFT EXTENSION			KEY SEAT			BEARINGS		MAXIMUM WEIGHT
	N-W	V	U	R	S	ES	LS	OS	
182T/184T	2.75	2.50	1.125	0.986	0.250	1.78	6207ZZ	6205ZZ	130 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 1.75 (MOTOR SUPPLIED WITH KEY)
4. DIMENSIONS FOR 182T MOUNTING EQUAL (2F) LOCATED IN 182T 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.: **BY1563LF1BMHD** TOSHIBA FILE NO.: _____
HP: **1.5** RPM (SYN.): **1200** VOLTAGE: **460** Hz: **60**
FRAME SIZE: **182T** 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: 1200
FRAME: 182T	ENCL: TEFC	FLAMPS: 2.5		FLRPM: 1168
FORM: FBK1	S.F.: 1.15	NEMA DESIGN: B		INSUL CLASS: F
TYPE: IKH	AMB.: 40	CODE: M		DUTY: CONT.
MODEL No.: BY1563LF1BMHD		kW:		Serial No.:
NOM. EFF.:	MIN. EFF.: 85.5	P.F.: 65		

AMPERAGE

Locked Rotor: 20

TORQUES

FULL LOAD (lb-ft.): 6.74
LOCKED ROTOR (%): 266
BREAK DOWN (%): 398

**** BEARINGS:**

Drive End: 6207ZZ
Opposite Drive End: 6205ZZ

EFFICIENCY (%)

FULL LOAD: 86.4
3/4 LOAD: 86.1
1/2 LOAD: 84.1

POWER FACTOR (%)

FULL LOAD: 68.2
3/4 LOAD: 60.3
1/2 LOAD: 46.9

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 # BY1563LF1BMHD

HP / RPM / ENCL / FRAME: 1.5 / 1200 / TEFC / 182T

DRIVE END BEARING: 6207ZZ

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. BY1563LF1BMHD

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: