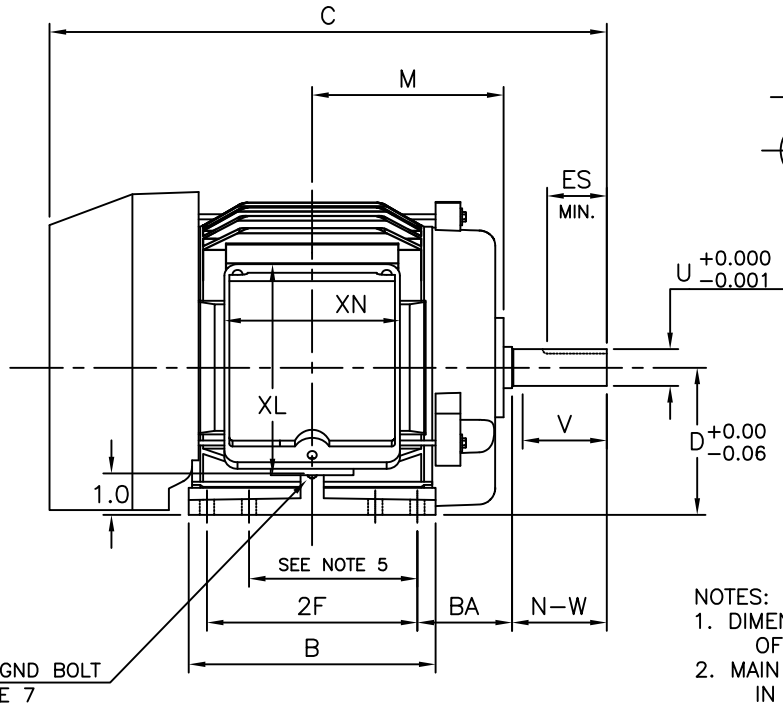
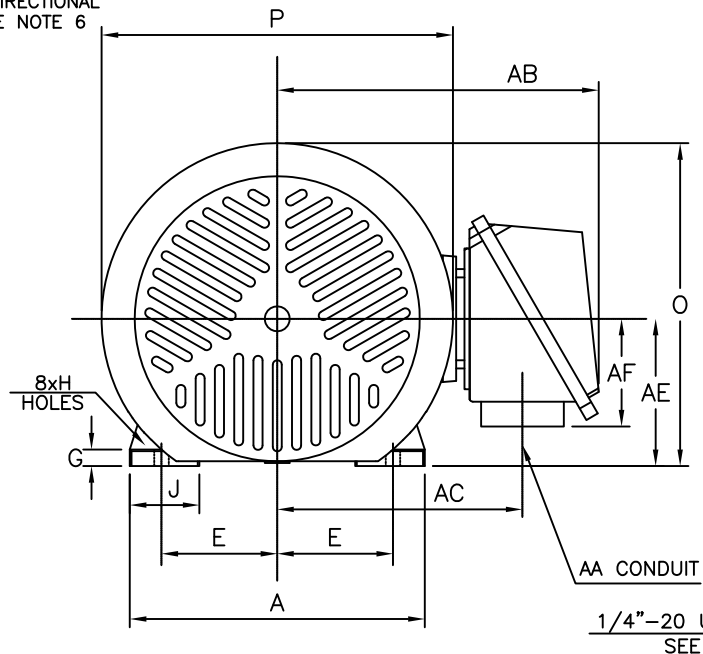


ROTATION  
UNITS  
BI-DIRECTIONAL  
SEE NOTE 6



1/4"-20 UNC GND BOLT  
SEE NOTE 7

- 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 1.38 (MOTOR SUPPLIED WITH KEY)
  4. MOTOR WEIGHT SHOWN IS MAXIMUM HORSEPOWER IN FRAME
  5. THIS DIMENSION EQUALS 2F FOR 143T 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[NPT]	AB	AC	AE	AF	XL	XN	
143T/145T	6.9	5.9	13.3	3.50	0.35	1.6	0	4.5	7.6	8.2	0	0.75	7.6	5.8	3.5	2.6	5.0	4.2	

FRAME SIZE	MOUNTING				SHAFT EXTENSION			KEY SEAT			BEARINGS		MAXIMUM WEIGHT
	E	2F	H	BA	N-W	V	U	R	S	ES	LS	OS	
143T/145T	2.75	4.00/5.00	0.34	2.25	2.25	2.00	0.875	0.771	0.188	1.41	6305UUC3	6305UUC3	75 lbs.

CUSTOMER: \_\_\_\_\_ MOTOR MODEL NO.: \_\_\_\_\_  
 P.O. NO.: \_\_\_\_\_ HP: \_\_\_\_\_ VOLTAGE: \_\_\_\_\_ RPM(SYN.): \_\_\_\_\_ Hz: \_\_\_\_\_  
 FRAME SIZE: \_\_\_\_\_ PRODUCT TYPE: EQP III 840 & 841  
 COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 PER: \_\_\_\_\_ DATE: \_\_\_\_\_

TAG NO's.:

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

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TOTALLY-ENCLOSED FAN-COOLED  
HORIZONTAL FOOT-MOUNTED  
3 PHASE INDUCTION MOTOR  
F1 ASSEMBLY

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**TYPICAL MOTOR PERFORMANCE DATA**

Model: B0014FLF10MHD02

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
1	0.75	4	1749	143T	575	60	3	1.10
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	54	F	1.15	CONT	85.5	B	K	40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	1	0.7	1.1	85.7	78.5
¾ Load	0.75	0.6	0.9	86.1	72.7
½ Load	0.50	0.4	0.7	82.3	59.8
¼ Load	0.25	0.2	0.6	71.7	38.7
No Load			0.6		9.6
Locked Rotor			8.80		67.3

Torque				Rotor wk <sup>2</sup> Inertia (lb-ft <sup>2</sup> )
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
3	335	325	365	0.13

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
32	15	-	6305UUC3	6305UUC3	

\*Bearings are the only recommended spare part(s).

**Motor Options:**  
Product Family:EQPIII 840  
Mounting:Footed,Shaft:T Shaft

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values.

**TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.**

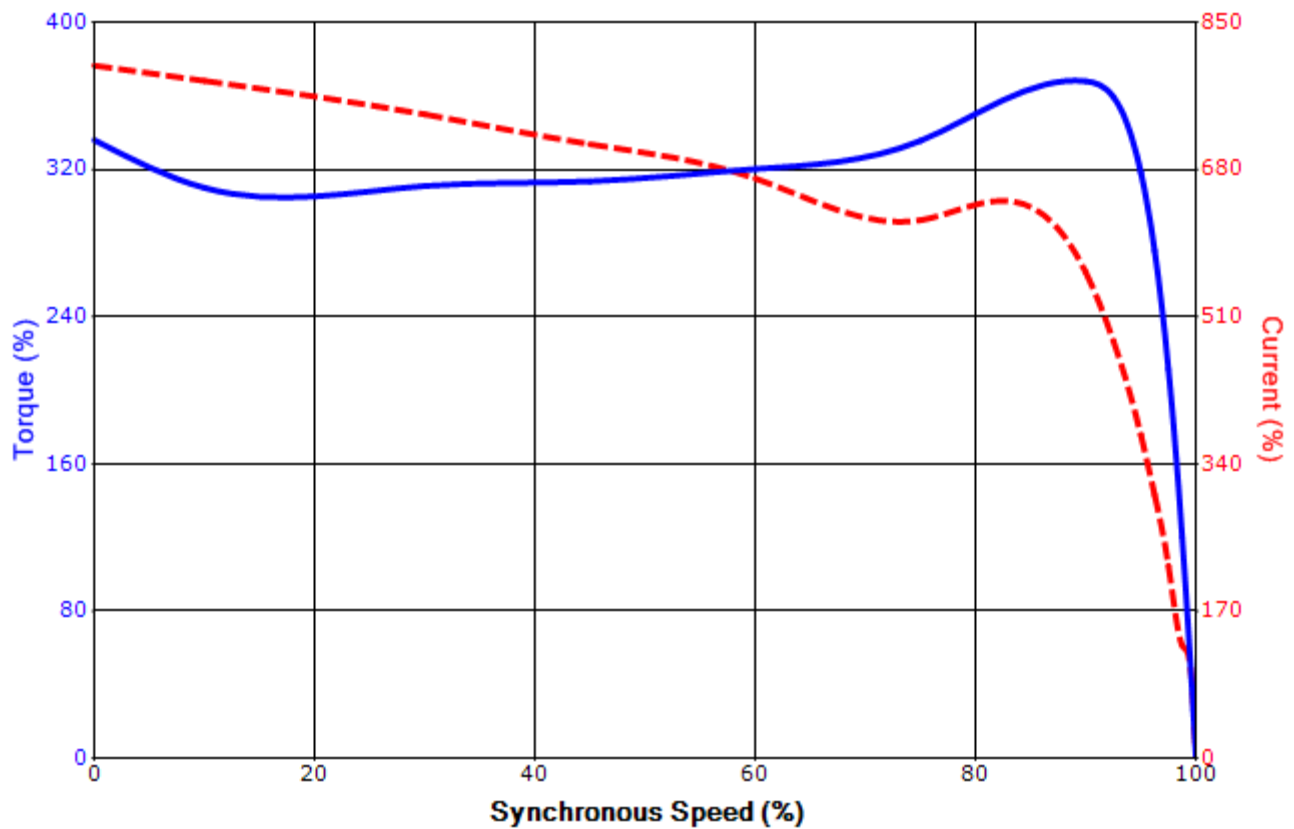
Engineering	aacosta	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	7/13/2012	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

**SPEED TORQUE/CURRENT CURVE**

Model: B0014FLF10MHD02

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
1	0.75	4	1749	143T	575	60	3	1.10
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	54	F	1.15	CONT	85.5	B	K	40 C
Locked Rotor Amps	Rotor wk <sup>2</sup> Inertia (lb-ft <sup>2</sup> )	Torque						Break Down (%)
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)				
8.80	0.13	3	335	325			365	

**Design Values**



Customer		wk <sup>2</sup> Load Inertia (lb-ft <sup>2</sup> )	-
Customer PO		Load Type	-
Sales Order		Voltage (%)	100
Project #		Accel. Time	-

Tag:

All characteristics are average expected values.

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Engineering	aacosta	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0
Engr. Date	7/13/2012	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

### Motor Connection Diagram 3 Leads - Wye Connection



Switch L1 and L2 to reverse rotation

Each lead may consist of more than one cable.  
If multiple cables represent a single lead, each one  
of them will be labeled with the appropriate lead number.