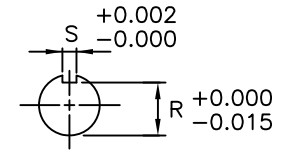
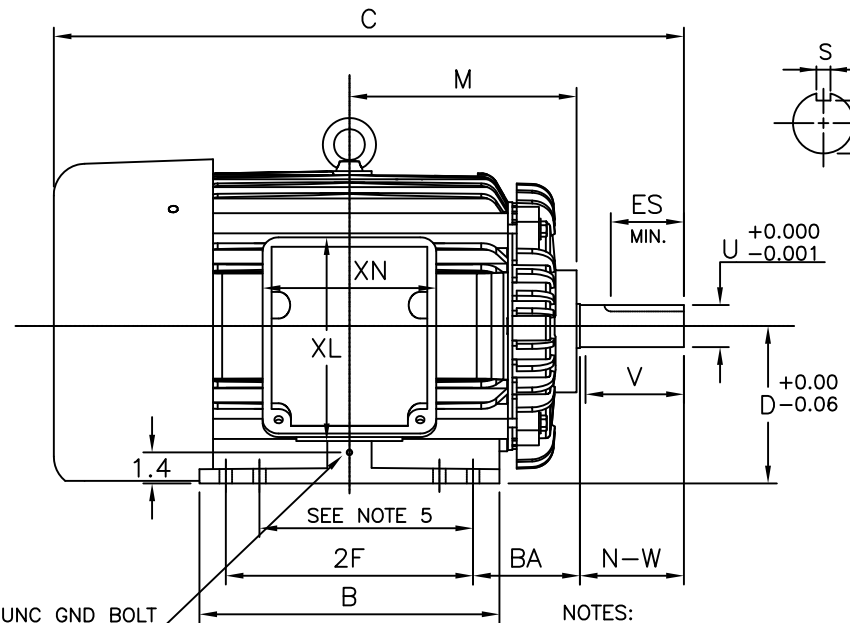


ROTATION
UNITS
BI-DIRECTIONAL
SEE NOTE 6



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 3.25 FOR T AND S x S x 1.87 FOR TS (MOTOR SUPPLIED WITH KEY)
4. MOTOR WEIGHT SHOWN IS MAXIMUM HORSEPOWER IN FRAME
5. THIS DIMENSION EQUALS 2F FOR 284T/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[NPT]	AB	AC	AE	AF	XL	XN
284TS/286TS	13.1	13.4	26.7	7.00	0.7	2.4	0	10.1	13.9	14.9	2.4	1.50	13.6	10.3	7.00	5.1	9.1	7.7
284T/286T	13.1	13.4	28.0	7.00	0.7	2.4	0	10.1	13.9	14.9	2.4	1.50	13.6	10.3	7.00	5.1	9.1	7.7

FRAME SIZE	MOUNTING				SHAFT EXTENSION			KEY SEAT			BEARINGS		MAXIMUM WEIGHT
	E	2F	H	BA	N-W	V	U	R	S	ES	LS	OS	
284TS/286TS	5.50	9.50/11.00	0.56	4.75	3.25	3.00	1.625	1.416	0.375	1.88	6310C3	6310C3	471 lbs.
284T/286T	5.50	9.50/11.00	0.56	4.75	4.62	4.38	1.875	1.591	0.500	3.25	6310C3	6310C3	471 lbs.

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

TAG NO's.: _____

PER: _____ DATE: _____

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

TOSHIBA RESERVES THE RIGHT TO MAKE CHANGES OF TECHNICAL IMPROVEMENT AND THE DATA MAY CHANGE WITHOUT NOTICE PRELIMINARY

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TOSHIBA

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

XT SERIES

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TYPICAL MOTOR PERFORMANCE DATA

Model: B0206FLF3BMHD02

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
20	15	6	1170	286T	230/460	60	3	50/25
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	54	F	1.15	CONT	91.7	B	G	40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	20	14.9	25.0	91.7	83.5
¾ Load	15.00	11.2	19.5	92.4	80.2
½ Load	10.00	7.5	15.1	92.2	72.2
¼ Load	5.00	3.7	11.8	83.6	47.3
No Load			10.0		5.0
Locked Rotor			145.00		39.8

Torque				Rotor wk ² Inertia (lb-ft ²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
89.8	235	260	325	5.30

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
32	15	-	6310C3TMB	6310C3	

*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.

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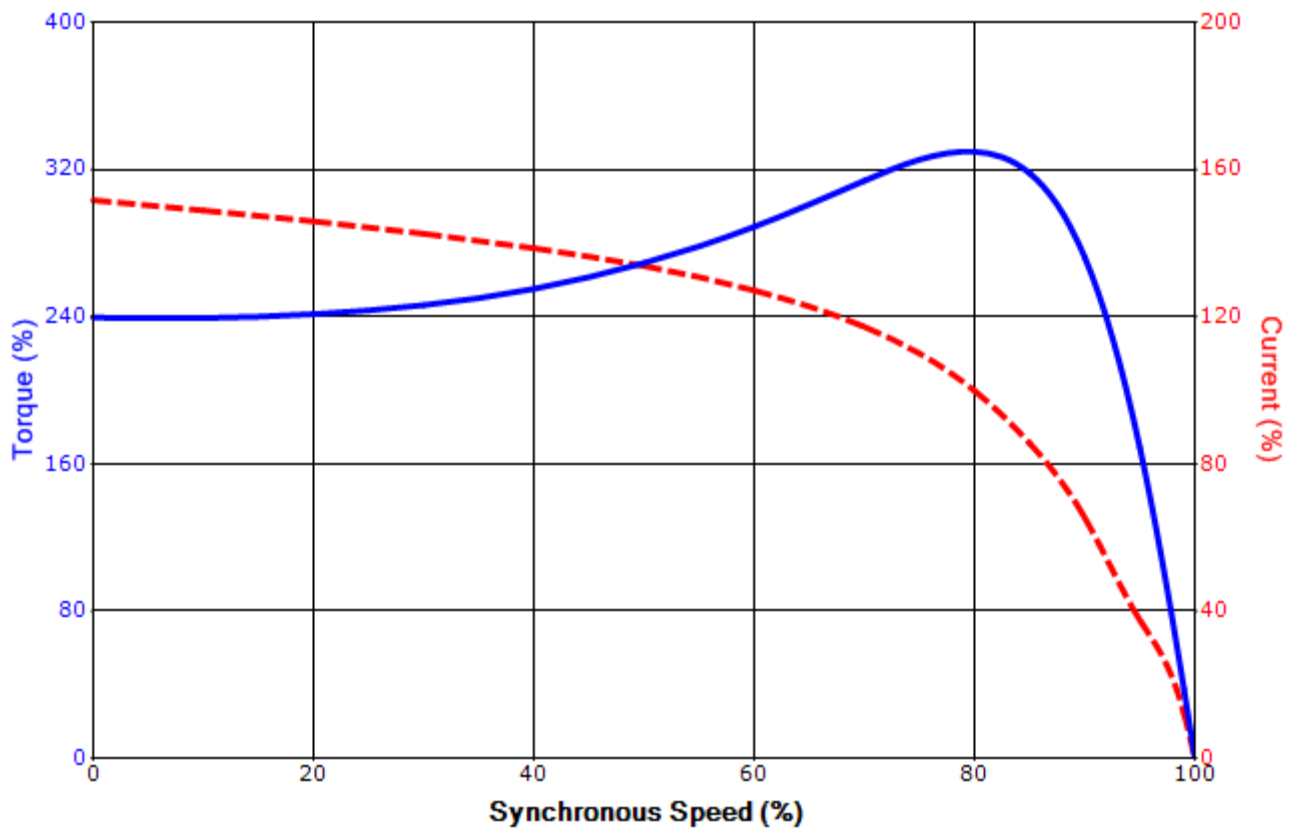
Engineering	aacosta	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	7/12/2012	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

SPEED TORQUE/CURRENT CURVE

Model: B0206FLF3BMHD02

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
20	15	6	1170	286T	230/460	60	3	50/25
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	54	F	1.15	CONT	91.7	B	G	40 C
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque						Break Down (%)
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)				
145.00	5.30	89.8	235	260			325	

Design Values



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

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-1121 / 0
Engr. Date	7/12/2012	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

Motor Connection Diagram
3 Leads - Delta 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.