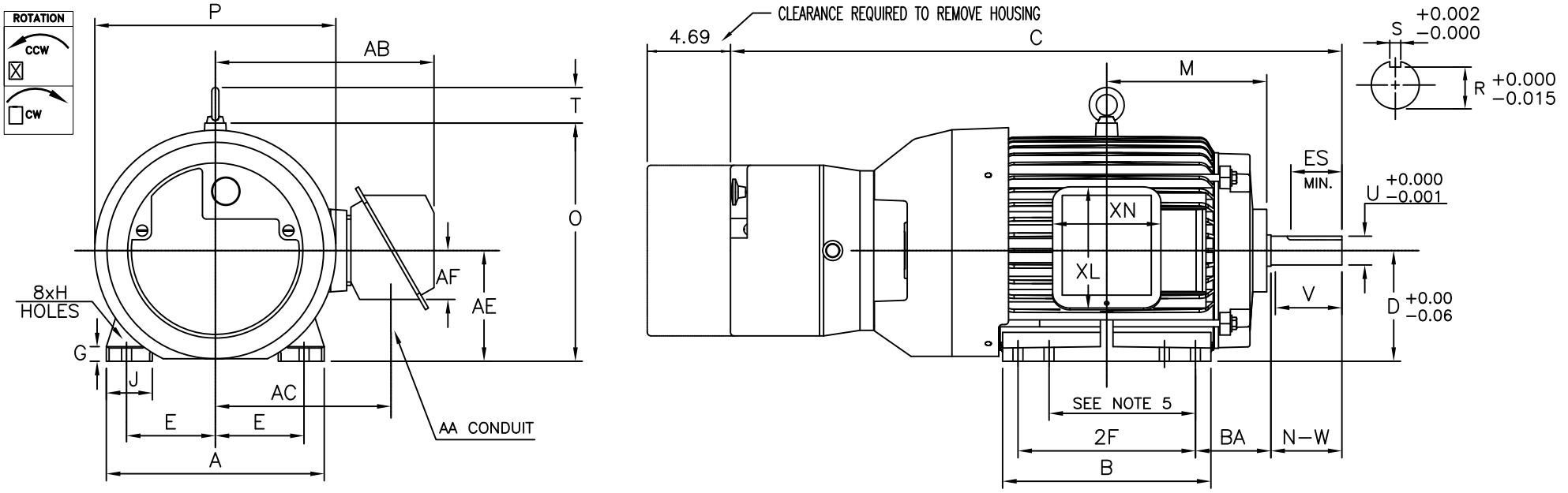

NOTES:
1. DIMENSION V REPRESENTS LENGTH OF STRAIGHT PART OF SHAFT
2. MAIN CONDUIT BOX MAY BE ROTATED IN 90° INCREMENTS
3. KEY DIMENSIONS EQUAL S x S x 2.88 (MOTOR SUPPLIED WITH KEY)
4. MOTOR WEIGHT SHOWN IS MAXIMUM HORSEPOWER IN FRAME
5. THIS DIMENSION EQUALS 2F FOR 254T MOUNTING
6. STANDARD PRODUCT USE BI−DIRECTIONAL FAN. OPPOSITE ROTATION AVAILABLE ONLY BY CONNECTION CHANGE

UNITS: INCHES

FRAME SIZE	MOTOR DIMENSIONS											CONDUIT BOX						
	A	B	C	D	G	J	K	M	O	P	T	AA	AB	AC	AE	AF	XL	XN
254T/256T	12.3	11.7	34.5	6.25	0.8	2.3	0	9.0	13.4	13.6	2.0	1.25	12.4	9.9	6.25	2.8	7.0	6.2

FRAME SIZE	MOUNTING				SHAFT EXTENSION			KEY SEAT			BEARINGS		MAXIMUM WEIGHT
	E	2F	H	BA	N−W	V	U	R	S	ES	LS	OS	
254T/256T	5.00	8.25/10.00	0.56	4.25	4.00	3.75	1.625	1.416	0.375	2.88	6309UU	6208UU	342 lbs.

CUSTOMER: _____ MOTOR MODEL NO.: _____

P.O. NO.: _____ HP: _____ VOLTAGE: _____ RPM(SYN.): _____ Hz: _____

FRAME SIZE: _____ PRODUCT TYPE: TEFC EQP III BRAKE SERIES

COMMENTS: 87,000 SERIES STEARNS BRAKE

PER: _____ DATE: _____

TAG NO's.:

- [X] 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 [X] PRELIMINARY

DO NOT USE FOR CONSTRUCTION, INSTALLATION, OR APPLICATION PURPOSES UNLESS THE DRAWING IS MARKED AS CERTIFIED [ ] CERTIFIED

TOSHIBA

TOSHIBA INTERNATIONAL CORPORATION

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

XT SERIES

VISIT OUR WEBSITE AT:
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MDSL0009−04 R00

Issued Date	4/23/2015	Transmit #	
Issued By	dschoeck	Issued Rev	

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TYPICAL MOTOR PERFORMANCE DATA

Model: BY7566LF2USH

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
7	5.5	6	1179	256T	230/460	60	3	20/10
Enclosure	**IP**	**Ins. Class**	**S.F.**	**Duty**	**NEMA Nom. Eff.**	**NEMA Design**	**kVA Code**	**Ambient (°C)**
TEFC	44	F	1.15	CONT	91.7	B	H	40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	7	5.6	9.7	92.0	78.6
¾ Load	5.62	4.2	7.9	91.8	73.2
½ Load	3.75	2.8	6.4	90.6	62.7
¼ Load	1.87	1.4	5.4	78.7	40.8
No Load			4.5		5.6
Locked Rotor			63.00		40.3

Torque				Rotor wk² Inertia
Full Load (lb-ft)	**Locked Rotor (% FLT)**	**Pull Up (% FLT)**	**Break Down (% FLT)**	**(lb-ft²)**
33.4	215	205	340	2.95

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight
Cold	**Hot**		**DE**	**NDE**	**(lbs)**
32	15	-	6309UU	6208UU	

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

Motor Options:
Product Family:EQPIII Brake Motor
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	7/11/2012	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

Issued Date	4/23/2015	Transmit #	
Issued By	dschoeck	Issued Rev	

TOSHIBA
Leading Innovation >>>

SPEED TORQUE/CURRENT CURVE

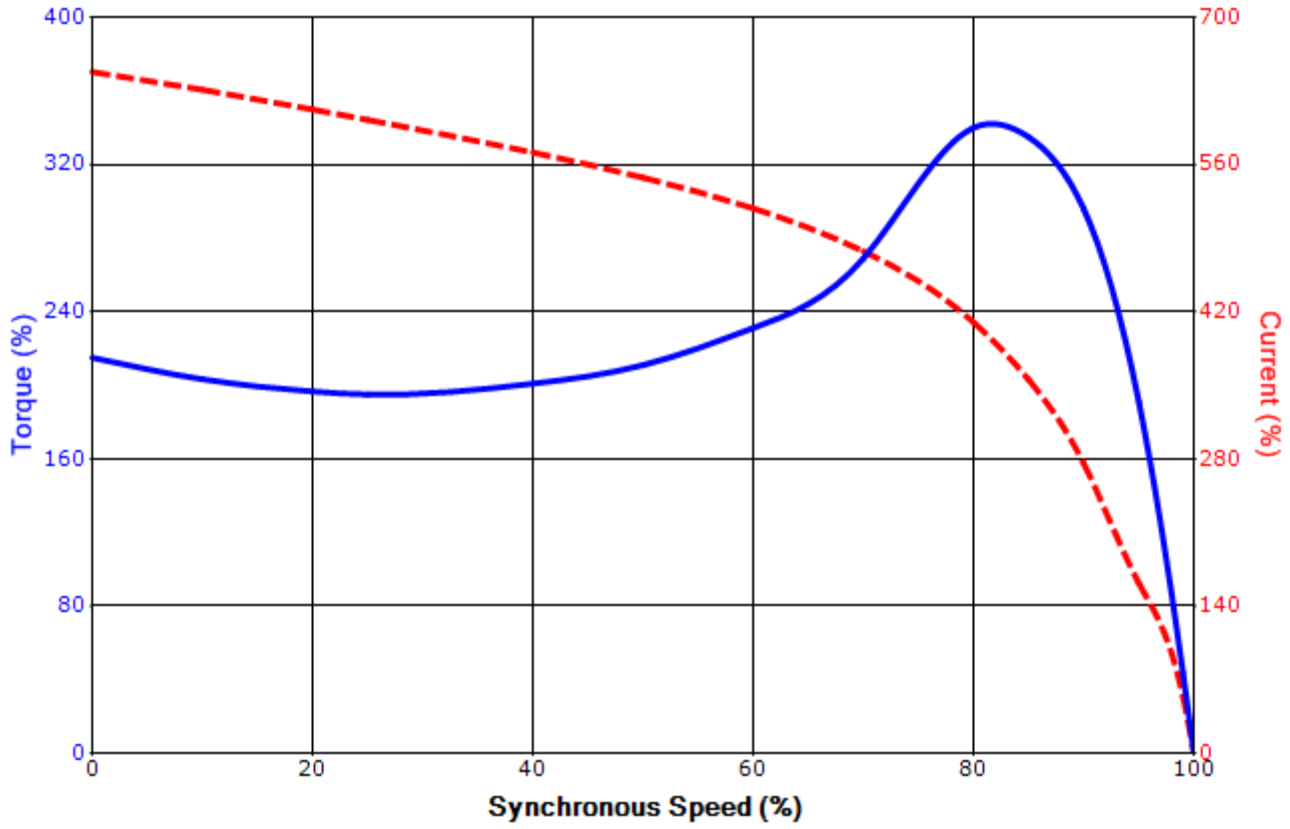
Model: BY7566LF2USH

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
7	5.5	6	1179	256T	230/460	60	3	20/10

Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	44	F	1.15	CONT	91.7	B	H	40 C

Locked Rotor Amps	Rotor wk² Inertia (lb-ft²)	Torque			
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)	Break Down (%)
63.00	2.95	33.4	215	205	340

Design Values



Customer			wk² Load Inertia (lb-ft²)	-
Customer PO			Load Type	-
Sales Order			Voltage (%)	100
Project #			Accel. Time	-

Tag:

All characteristics are average expected values.

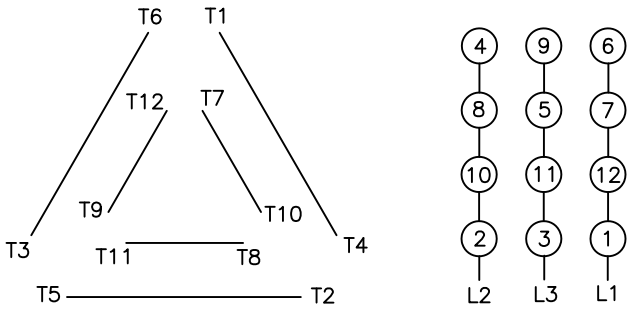
TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.

Engineering	aacosta	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0
Engr. Date	7/11/2012	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

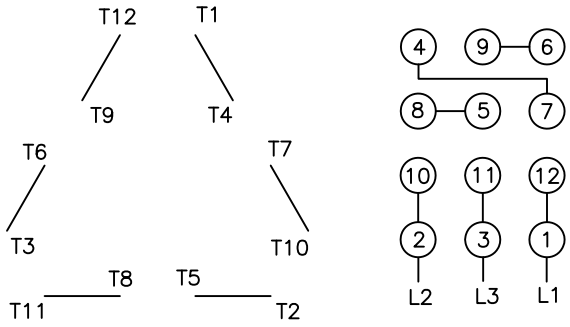
Motor Connection Diagrams
12 Leads

Across-the-Line Starting / Running Connections

Low Voltage Delta



High Voltage Delta



Switch L1 and L2 to reverse rotation

Suitable for Wye–Delta Starting and Limited Part–Winding–Starting.
Please Contact Toshiba International for specific connections.