

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			
447TZ	22.1	22.9	54.2	11.00	1.3	4.4	4.8	17.7	22.5	23.6	3.6	3.00	22.4	16.8	11.00	7.9	15.2	12.3			
447T	22.1	22.9	52.6	11.00	1.3	4.4	4.8	17.7	22.5	23.6	3.6	3.00	22.4	16.8	11.00	7.9	15.2	12.3			
FRAME SIZE	MOUNTING											SHAFT EXTENSION			KEY SEAT			BEARINGS			MAXIMUM WEIGHT
E	2F	H	BA	N-W	V	U	R	S	ES	LS	OS										
447TZ	9.00	20.00	0.81	7.50	10.12	9.88	2.88	0.875	8.50	NU318C3	6313C3							2400 lbs.			
447T	9.00	20.00	0.81	7.50	8.50	8.25	3.375	2.88	6.91	NU318C3	6313C3							2400 lbs.			

CUSTOMER: _____ MOTOR MODEL NO.: _____ TAG NO's: _____

P.O. NO.: _____ HP: _____ VOLTAGE: _____ RPM(STN.): _____ Hz: _____
 FRAME SIZE: _____ PRODUCT TYPE: IEC EXPLOSION PROOF: CLASS I GROUP D, CLASS II GROUPS E, F, G
 COMMENTS: _____

 PER: _____ DATE: _____

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

TOSHIBA
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 TOTALLY-ENCLOSED FAN-COOLED
 HORIZONTAL FOOT-MOUNTED
 3 PHASE INDUCTION MOTOR
 F1 ASSEMBLY
XT SERIES
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- NOTES:
1. DIMENSION V REPRESENTS LENGTH OF STRAIGHT PART OF SHAFT OF STRAIGHT PART OF SHAFT MAIN CONDUIT BOX MAY BE ROTATED IN 90° INCREMENTS
 2. KEY DIMENSIONS EQUAL S x S x 8.50 FOR TZ AND S x S x 6.91 FOR T FRAME (MOTOR SUPPLIED WITH KEY)
 3. MOTOR WEIGHT SHOWN IS MAXIMUM HORSEPOWER IN FRAME
 4. STANDARD PRODUCT USE BI-DIRECTIONAL FAN, OPPOSITE ROTATION AVAILABLE ONLY BY CONNECTION CHANGE

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

TYPICAL MOTOR PERFORMANCE DATA

Model: B2004YLF4OSH

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
200	150	4	1785	447T	575	60	3	187
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.15	CONT	96.2	B		40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	200.00	149.1	186	95.9	83.6
¾ Load	150.00	111.9	146	95.4	80.3
½ Load	100.00	74.6	110	94.1	71.9
¼ Load	50.00	37.3	82	89.6	50.8
No Load			60.9		3.7
Locked Rotor			1160		32.7

Torque				Rotor wk ² Inertia (lb-ft ²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
588	220	165	270	63.10

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
21	7	-	NU318C3	6313C3	2404

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

Motor Options:
Product Family:EQP Global Explosion Proof
Mounting:Footed,Shaft:T Shaft

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values.

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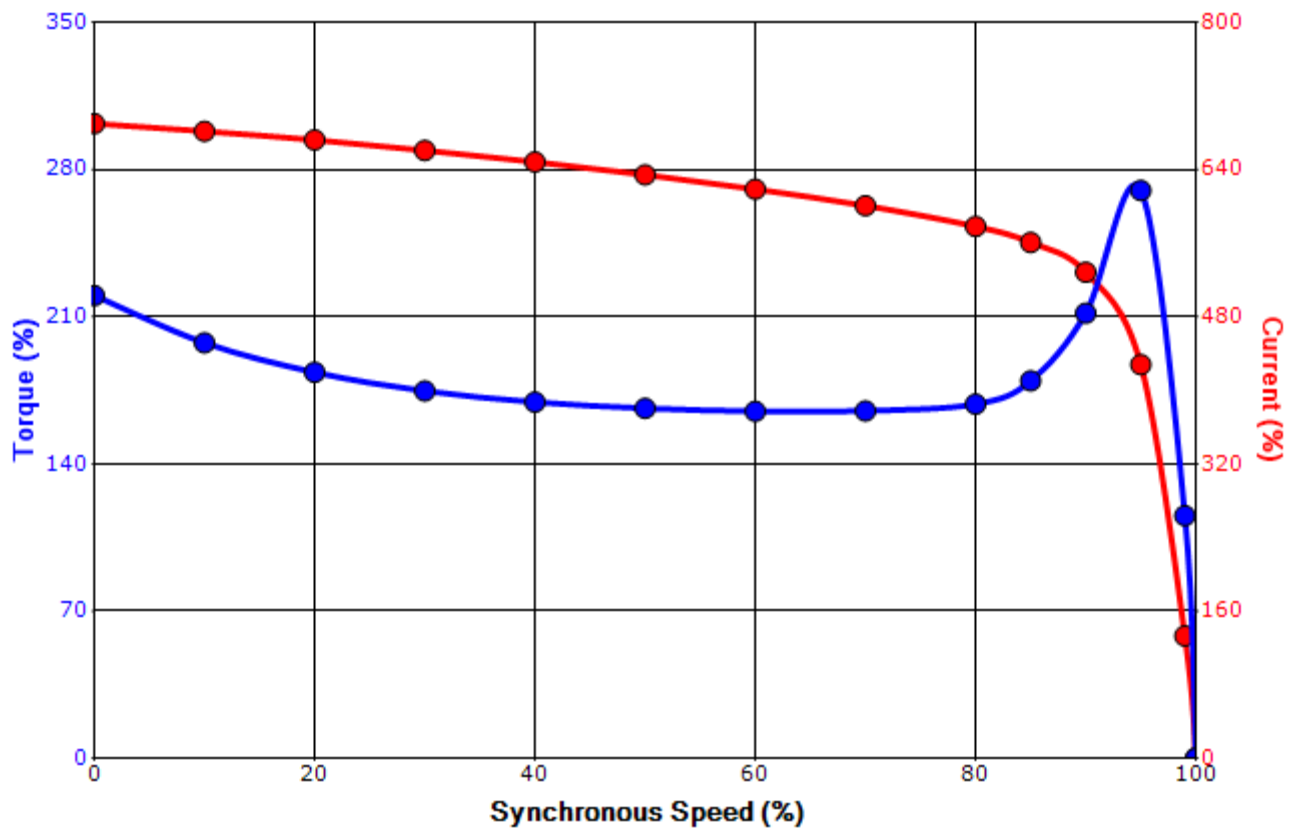
Engineering	zxie	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	1/13/2022	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

SPEED TORQUE/CURRENT CURVE

Model: B2004YLF4OSH

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
200	150	4	1785	447T	575	60	3	187
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.15	CONT	96.2	B		40 C
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque						Break Down (%)
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)				
1160	63.10	588	220	165			270	

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.

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Engineering	zxie	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0
Engr. Date	1/13/2022	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

Motor Connection Diagrams
6 Leads

Across the Line Starting / Run - Delta:



Alternate Starting Connection - Wye:



Switch L1 and L2 to reverse rotation