

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
505US	24.9	20.9	49.7	12.50	1.5	5.6	4.8	17.3	24.7	28.0	5.2	4.00	22.8	18.6	12.5	9.2	15.2	10.3
505UZ	24.9	20.9	56.5	12.50	1.5	5.6	4.8	17.3	24.7	28.0	5.2	4.00	22.8	18.6	12.5	9.2	15.2	10.3
FRAME SIZE	MOUNTING													KEY SEAT		BEARINGS		MAXIMUM WEIGHT
505US	E	2F	H	BA	N-W	V	U	R	S	ES	LS	OS			4089 lbs.			
505UZ	10.00	18.00	0.94	8.5	4.75	4.50	2.875	2.450	0.750	3.00	6318C3	6318C3			4089 lbs.			
	10.00	18.00	0.94	8.5	11.62	11.38	3.875	3.309	1.000	10.00	NU322C3	6318C3			4089 lbs.			

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

P.O. NO.: _____ HP: _____ VOLTAGE: _____ RPM(SYN.): _____ Hz: _____
 FRAME SIZE: _____ PRODUCT TYPE: IEF3 EGP III, EPACK, & HIGH EFFICIENCY QUARRY DUTY
 COMMENTS: _____

 PER: _____ DATE: _____

TOSHIBA RESERVES THE RIGHT TO MAKE CHANGES OF TECHNICAL IMPROVEMENT AND THE DATA MAY CHANGE WITHOUT NOTICE PRELIMINARY
 DO NOT USE FOR CONSTRUCTION, INSTALLATION, OR APPLICATION PURPOSES UNLESS THE DRAWING IS MARKED AS CERTIFIED CERTIFIED

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

- NOTES:
- DIMENSION V REPRESENTS LENGTH OF STRAIGHT PART OF SHAFT
 - MAIN CONDUIT BOX MAY BE ROTATED IN 90° INCREMENTS
 - KEY DIMENSIONS EQUAL S x S x 10.00 FOR UZ AND S x S x 3.00 FOR US (MOTOR SUPPLIED WITH KEY)
 - MOTOR WEIGHT SHOWN IS MAXIMUM HORSEPOWER IN FRAME
 - STANDARD PRODUCTS USE BI-DIRECTIONAL FAN. OPPOSITE ROTATION AVAILABLE ONLY BY CONNECTION CHANGE

TOSHIBA
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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: C2006FLF4OMQ

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
200	150	6	1180	505UZ	575	60	3	192
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	54	F	1.15	CONT	94	B	G	40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	200	149.1	192.0	94.0	84.8
¾ Load	150.00	111.9	145.7	94.2	82.3
½ Load	100.00	74.6	107.5	93.5	75.5
¼ Load	50.00	37.3	76.6	88.4	55.3
No Load			55.0		6.3
Locked Rotor			1160.00		48.1

Torque				Rotor wk ² Inertia (lb-ft ²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
890	240	190	205	131.00

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
14.4	5.3	-	NU322C3	6318C3	

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

Motor Options:
Product Family:Quarry
Mounting:Footed,Shaft:UZ Shaft

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values.

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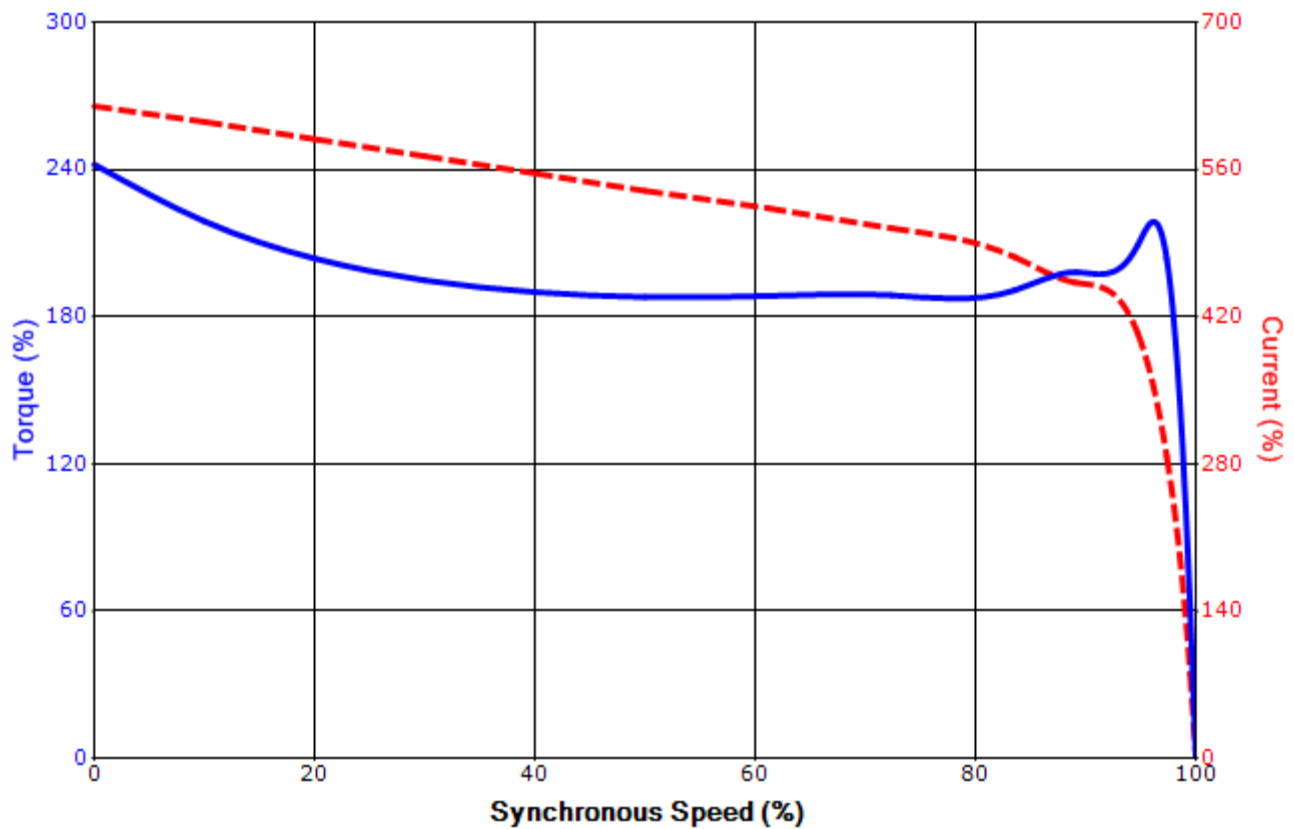
Engineering	jaustin	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	7/28/2014	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

SPEED TORQUE/CURRENT CURVE

Model: C2006FLF4OMQ

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
200	150	6	1180	505UZ	575	60	3	192
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	54	F	1.15	CONT	94	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 (%)				
1160.00	131.00	890	240	190			205	

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	jaustin	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0
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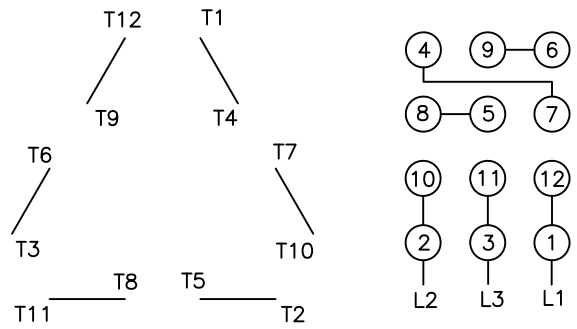
Motor Connection Diagrams
12 Leads

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.