

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			
447TS	22.1	22.8	39.5	11.00	1.2	4.4	4.8	17.3	22.5	22.0	3.6	3.00	21.6	16.5	14.2	8.7	15.7	11.5			
FRAME SIZE	MOUNTING											SHAFT EXTENSION			KEY SEAT			BEARINGS			MAXIMUM WEIGHT
447TS	E	2F	H	BA	N-W	V	U	R	S	ES	LS	OS							1700 lbs.		
	9.00	20.00	0.81	7.50	4.75	4.50	2.375	2.021	0.625	3.00	6313C3	6313C3									

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

P.O. NO.: _____ HP: _____ VOLTAGE: _____ RPM(SYN.): _____ Hz: _____
 FRAME SIZE: _____ PRODUCT TYPE: ODP EQP III, EPACT, & HIGH EFFICIENCY
 COMMENTS: _____

PER: _____ DATE: _____

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- 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 3.00 (MOTOR SUPPLIED WITH KEY)
 4. MOTOR WEIGHT SHOWN IS MAXIMUM HORSEPOWER IN FRAME
 5. OPPOSITE ROTATION AVAILABLE ONLY BY CONNECTION CHANGE

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

TOSHIBA
 TOSHIBA INTERNATIONAL CORPORATION
 OPEN DRIP-PROOF
 HORIZONTAL FOOT-MOUNTED
 3 PHASE INDUCTION MOTOR
 F1 ASSEMBLY

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TYPICAL MOTOR PERFORMANCE DATA

Model: 4002DPAB21B

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
400	298	2	3576	447TS	460	60	3	477
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
ODP	22	F	1.15	CONT	94.4	A	G	40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	400	298.3	476.3	94.4	83.3
¾ Load	300.00	223.7	369.3	94.0	80.9
½ Load	200.00	149.1	270.6	92.8	74.5
¼ Load	100.00	74.6	189.2	88.8	55.7
No Load			109.7		7.5
Locked Rotor			3156.90		31.7

Torque				Rotor wk ²
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	Inertia (lb-ft ²)
587	205	140	260	52.17

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
6.8	3	-	6313C3	6313C3	

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

Motor Options:
Product Family:ODP
Mounting:Footed,Shaft:TS Shaft

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values.

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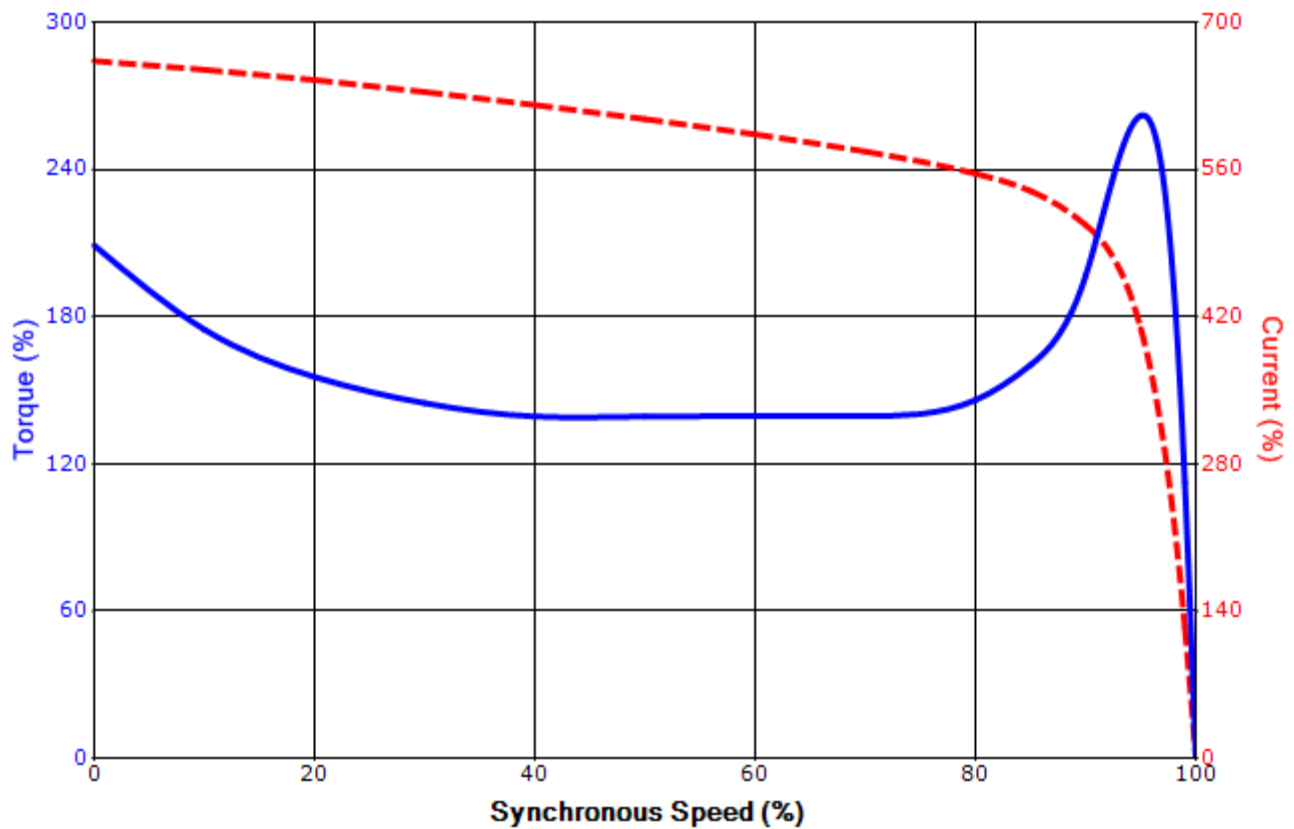
Engineering	bmmamen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	6/2/2014	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

SPEED TORQUE/CURRENT CURVE

Model: 4002DPAB21B

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
400	298	2	3576	447TS	460	60	3	477
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
ODP	22	F	1.15	CONT	94.4	A	G	40 C
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque						Break Down (%)
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)				
3156.90	52.17	587	205	140			260	

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.

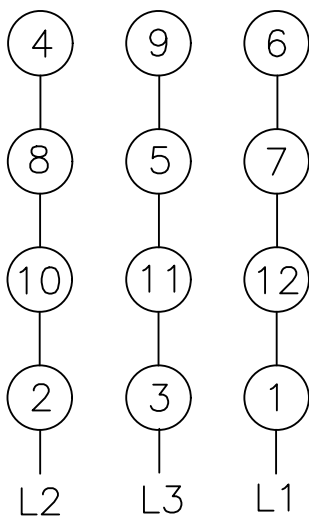
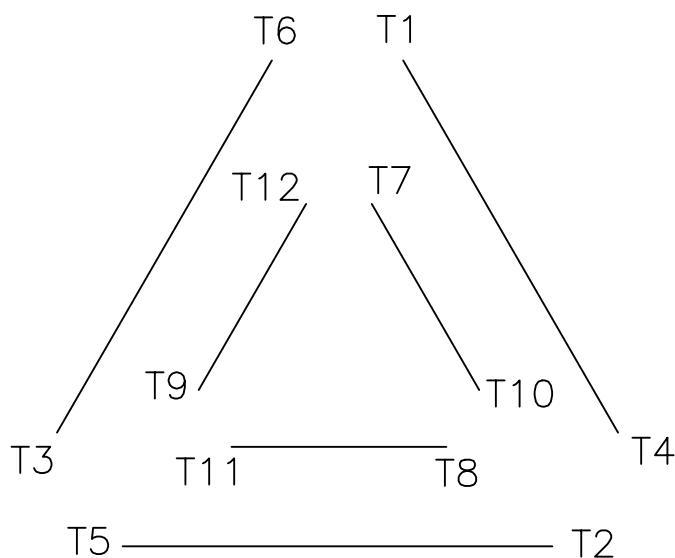
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Engineering	bmammen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0
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Motor Connection Diagram

12 Leads

Single Voltage



Switch L1 and L2 to reverse rotation