

UNITS: INCHES

FRAME SIZE	MOTOR DIMENSIONS										CONDUIT BOX					MAXIMUM WEIGHT										
	A	B	C	D	G	J	K	M	O	P	T	AA	AB	AC	AE		AF	XL	XN							
254T/256T	12.5	11.8	22.7	6.25	0.8	2.7	0	8.8	13.5	13.6	1.7	1.25	12.4	9.9	6.25	2.8	7.0	6.1								
FRAME SIZE	E		MOUNTING		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		6309ZC3		6208ZC3		300 lbs.	

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

P.O. NO.: _____ HP: _____ RPM(SYN.): _____ Hz: _____
 VOLTAGE: _____
 FRAME SIZE: _____ PRODUCT TYPE: DRY KILN ODP EGP III, EPACT, & HIGH EFFICIENCY
 COMMENTS: CONOCO PHILLIPS TRITON 460 GREASE, 8 FT LEADS, CLASS H INSULATION
 SUITABLE FOR 90°C, 115°C, OR 135°C

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 2.88 (MOTOR SUPPLIED WITH KEY)
 4. MOTOR WEIGHT SHOWN IS MAXIMUM HORSEPOWER IN FRAME
 5. THIS DIMENSION EQUALS 2F FOR 254T MOUNTING
 6. 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
 DRY KILN OPEN DRIP-PROOF
 HORIZONTAL FOOT-MOUNTED
 3 PHASE INDUCTION MOTOR
 F1 ASSEMBLY

XT SERIES
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TYPICAL MOTOR PERFORMANCE DATA

Model: 0106DPKB41A-Y

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
10	7.5	6	1179	256T	230/460	60	3	26/13
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
ODP	22	H		CONT	92.4	B	H	115 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	10	7.5	12.9	92.8	78.1
¾ Load	7.50	5.6	10.3	92.8	72.5
½ Load	5.00	3.7	8.3	91.9	61.7
¼ Load	2.50	1.9	6.9	82.0	41.3
No Load			5.9		5.2
Locked Rotor			81.00		40.3

Torque				Rotor wk ²
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	Inertia (lb-ft ²)
44.5	285	285	360	3.54

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
35	15	-	6309ZC3	6208ZC3	

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

Motor Options:
Product Family: Dry Kiln 115C
Mounting: Footed, Shaft: T Shaft

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values.

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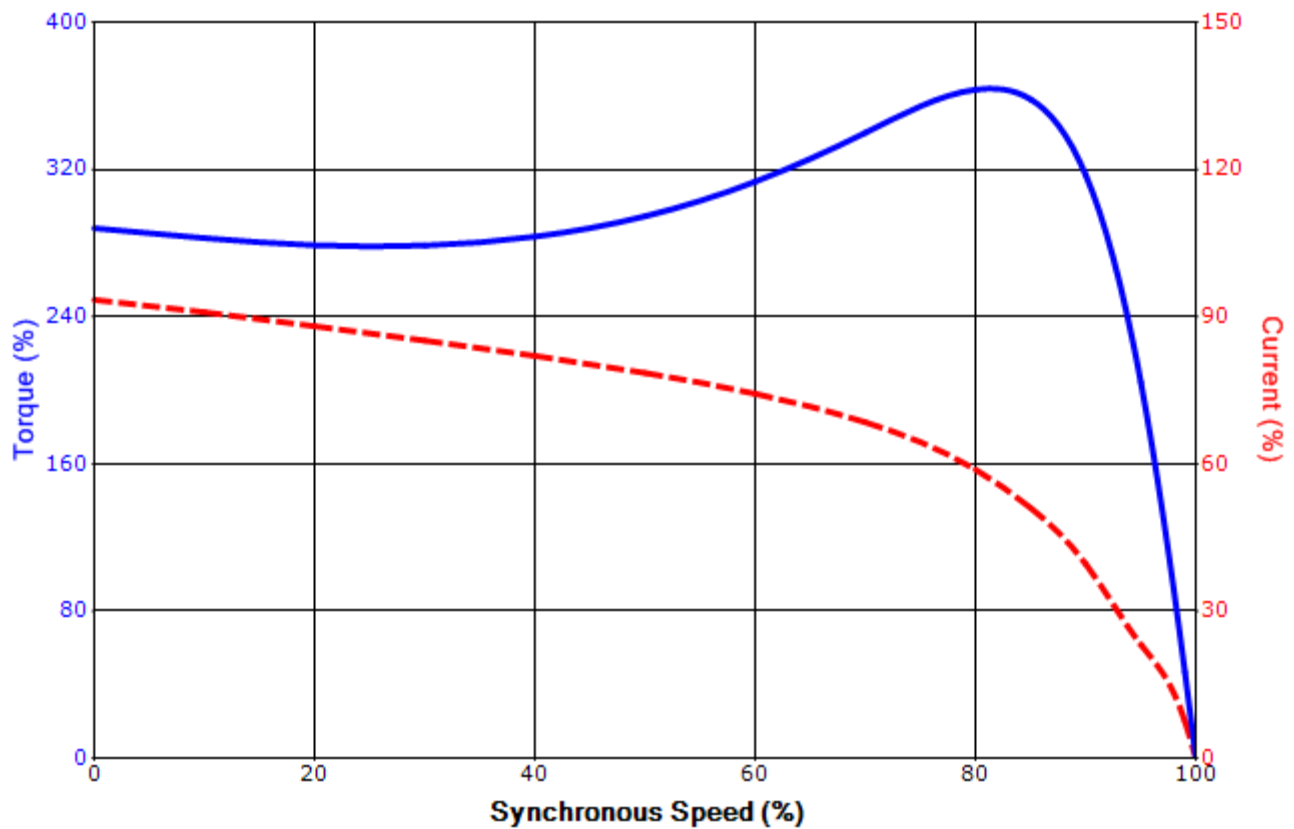
Engineering	aacosta	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	5/18/2012	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

SPEED TORQUE/CURRENT CURVE

Model: 0106DPKB41A-Y

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
10	7.5	6	1179	256T	230/460	60	3	26/13
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
ODP	22	H		CONT	92.4	B	H	115 C
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque						Break Down (%)
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)				
81.00	3.54	44.5	285	285			360	

Design Values



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

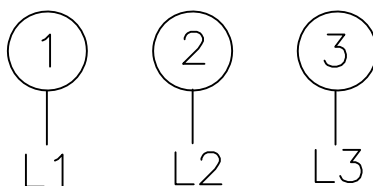
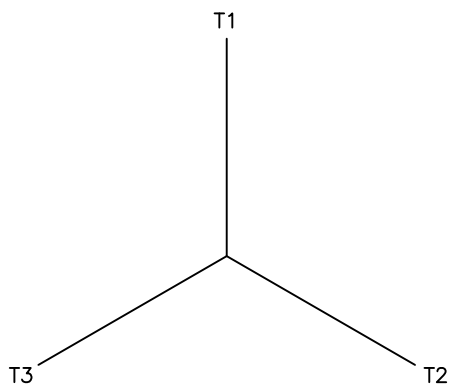
Tag:

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Engineering	aacosta	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0
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Motor Connection Diagram 3 Leads - Wye 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.