

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
284T	12.8	11.3	23.5	7.00	0.6	3.2	3.2	9.4	14.5	14.8	2.4	1.50	12.4	10.0	9.6	2.8	7.0	6.1

FRAME SIZE	MOUNTING						SHAFT EXTENSION						KEY SEAT			BEARINGS			MAXIMUM WEIGHT
	E	2F	H	BA	N-W	V	U	R	S	ES	LS	OS	ES	LS	OS	ES	LS	OS	
284T	5.50	9.50	0.56	4.75	4.62	4.38	1.875	1.591	0.500	3.25	6312ZC3	62112C3	360	lbs.					

- 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 3.25 FOR T AND S x S x 1.87 FOR TS (MOTOR SUPPLIED WITH KEY)
 4. MOTOR WEIGHT SHOWN IS MAXIMUM HORSEPOWER IN FRAME
 5. OPPOSITE ROTATION AVAILABLE ONLY BY CONNECTION CHANGE

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

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

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: _____

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

TOSHIBA

DRY KILN OPEN DRIP-PROOF HORIZONTAL FOOT-MOUNTED 3 PHASE INDUCTION MOTOR

TOSHIBA INTERNATIONAL CORPORATION

F1 ASSEMBLY

XT SERIES

VISIT OUR WEBSITE AT: www.toshiba.com/ind

TYPICAL MOTOR PERFORMANCE DATA

Model: 0108DPKB11A

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
10	7.5	8	900	284T	460	60	3	16
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
ODP	22	H	1.15	CONT	90.2	B	G	90 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	10	7.5	15.2	90.0	68.0
¾ Load	7.50	5.6	12.7	89.0	61.5
½ Load	5.00	3.7	10.7	87.5	51.0
¼ Load	2.50	1.9	9.3	78.3	31.9
No Load			8.2		6.1
Locked Rotor			72.00		47.6

Torque				Rotor wk ²
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	Inertia (lb-ft ²)
58.4	225	195	225	5.15

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
59	48	-	6312ZC3	6211ZC3	

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

Motor Options:
Product Family: Dry Kiln 90C
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.

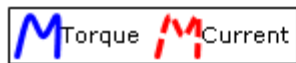
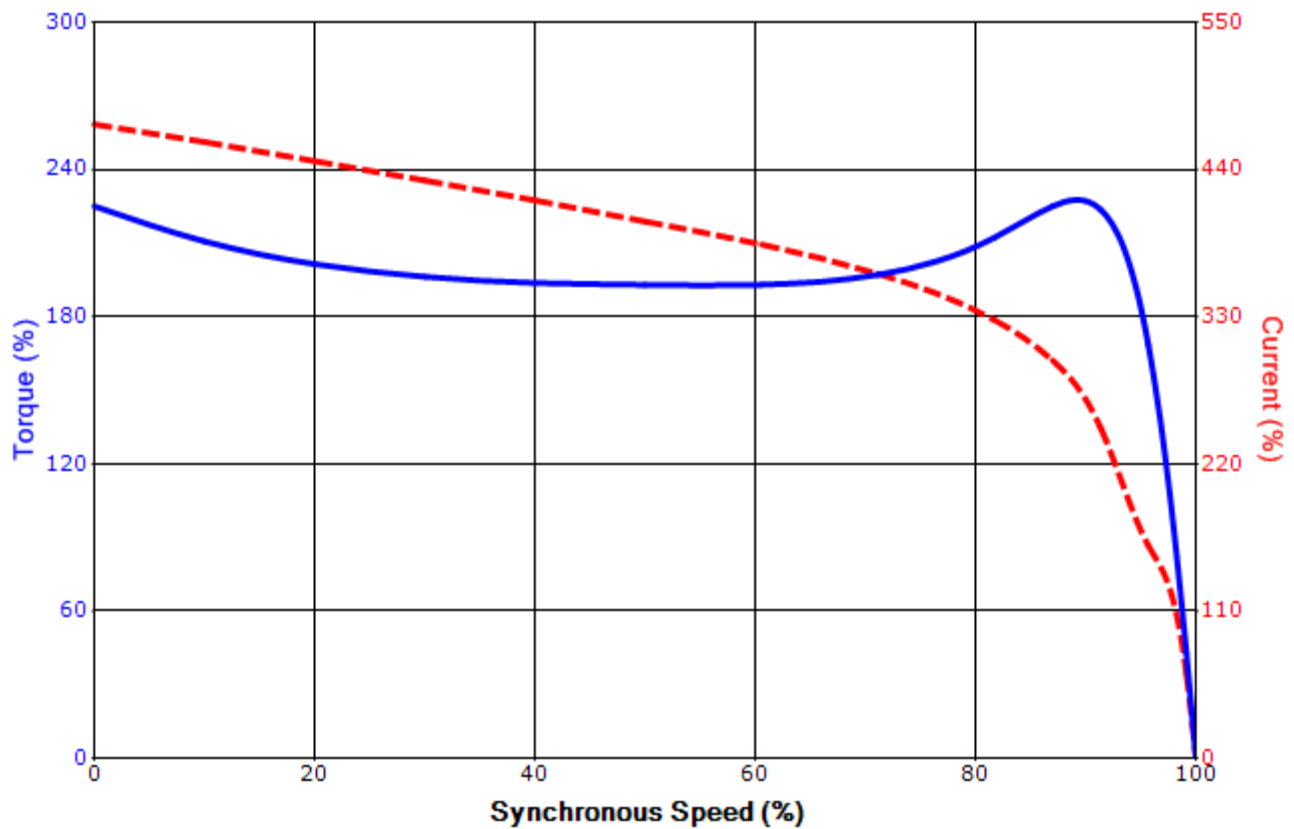
Engineering	jhock	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	5/31/2013	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

SPEED TORQUE/CURRENT CURVE

Model: 0108DPKB11A

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
10	7.5	8	900	284T	460	60	3	16
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
ODP	22	H	1.15	CONT	90.2	B	G	90 C
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque						Break Down (%)
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)				
72.00	5.15	58.4	225	195			225	

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.

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

Engineering	jhock	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0
Engr. Date	5/31/2013	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

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.