

		KEAF	SHAFT	EXTENSION										
FRAME SIZE	U	N-W	٧	KEY SIZE	В	С	F	К	XEV	XG	XP	F1 ASSY BS	ВА	APPROX WEIGHT
444TS	2.375	4.75	4.50	.625 X .625 X 3.00	17.5	38.5	7.25	4.0	1.50	12.8	17.7	4.13	7.50	2000
444T	3.375	8.50	8.25	.875 X .875 X 6.88	17.5	42.2	7.25	4.0	1.50	12.8	17.7	4.13	7.50	2000
445TS	2.375	4.75	4.50	.625 X .625 X 3.00	18.5	40.5	8.25	4.5	1.00	12.8	18.7	5.13	7.50	2300
445T	3.375	8.50	8.25	.875 X .875 X 6.88	18.5	44.2	8.25	4.5	1.00	12.8	18.7	5.13	7.50	2300
447TS	2.375	4.75	4.50	.625 X .625 X 3.00	23.0	44.0	10.00	4.0	1.50	14.4	20.4	2.38	7.50	2600
447T	3.375	8.50	8.25	.875 X .875 X 6.88	23.0	47.7	10.00	4.0	1.50	14.4	20.4	2.38	7.50	2600
449TS	2.375	4.75	4.50	.625 X .625 X 3.00	28.0	49.0	12.50	4.0	1.50	14.4	22.9	2.38	7.50	3200
449T	3.375	8.50	8.25	.875 X .875 X 6.88	28.0	52.7	12.50	4.0	1.50	14.4	22.9	2.38	7.50	3200
449TU	4.125	12.38	12.12	1.00 X 1.00 X 10.62	28.0	56.6	12.50	4.0	1.50	14.4	22.9	2.38	7.50	3200

	STANDARD CAST IRON CONDUIT BOXES										
				NDAND (MOT IIV	JIN COINE					
	TEFC						EX	(PLOSIO)	√ PR001	=	
AA	AB	AC	AF	XL	XN	AA	AB	AC	AF	XL	XN
3.00	21.10	17.30	6.62	10.62	7.76	3.00	21.50	17.00	7.00	12.26	11.00
4.00	25.30	19.44	9.38	13.68	11.50	4.00	24.50	18.62	10.38	16.50	13.00

NOTES:

- A. THIS OUTLINE IS NOT TO BE REGARDED AS INDICATING THE EXACT DETAILS OF
- CONSTRUCTION. IT IS PROPERLY DIMENSIONED FOR ERECTION PURPOSES ONLY.
 B. EACH FOOT MUST BE MOUNTED ON A BASE EQUAL TO OR LARGER THAN THE PAD AREA.
- C. MOUNTING BOLTS, DOWELS & SHIMS ARE NOT SUPPLIED BY TOSHIBA
 D. ANTI-FRICTION BEARINGS MUST BE REGREASED WHILE MOTOR IS RUNNING.

THESE DRAWINGS ARE PREPARED IN ACCORDANCE WITH THE NORMAL AND ACCEPTED STANDARDS WITHIN THE ELECTRICAL INDUSTRY FOR THE PURPOSE OF OBTAINING CUSTOMER APPROVAL AS PART OF THE MANUFACTURING OR PRODUCTION PROCESS. ANY USE OR COMMUNICATION OF THE DRAWINGS BY THE CUSTOMER (OTHER THAN FOR GRANTING APPROVAL) SHALL BE THE SILL RESPONSIBILITY OF THE CUSTOMER.

G.O	MINARY s.o.		CUST	. ORDER _			THIRD	ANGLE F	PROJECTION]
RATING										_
PER:		DA	ATE							
TOSHIBA	INDUSTRI.	AL PROD	UCTS	CANADA,	STONE	Y CRE	ΞK			

CONFIDENCE, AND NO PORTION O	F THIS DRA	AWING MAY BE REPRODUCE	ED OR USED WITH	L PRODUCTS CANADA — TIPCA MUST BE MAINTAINED IN HOUT THE EXPRESS PERMISSION OF THE COMPANY.
TOSHIBA INDUS	STRIA	L PRODUCTS	S CANAI	da toshiba
TITLE TYPE	HSB	N MOTOR	FRAME	<u> </u>
OUTLIN	NE -	- TEFC/TE	EXP EN	NCLOSURE
DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED	SCA	LE: N.T.S.	SHEET:	OF
DRAWN N.WEST	DATE	APP.BY	DATE	E 4 0 0 0 7 0
CHECKED		APP.BY		1 E10C076
CHECKED		ADD DV		



Issued Date	Transmit #	
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TYPICAL MOTOR PERFORMANCE DATA

Model: 2003XPAK11B-C

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
200 hp	149 kW	2	3562 rpm	N449TS	4000 V	60	3	25.3 A
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEXP	55	F	1.15	Cont.	92.4	В	G	40

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)	
Full Load	200	149	25.3	92.4	92.5	
¾ Load	150	112	19.2	91.5	91.8	
½ Load	100	75	13.7	90.1	87.6	
1/4 Load	50	37				
No Load			5.8		13.7	
Locked Rotor			167.4		19.5	

	Torque	9		Rotor wk ²
Full Load	Locked Rotor	Pull Up	Break Down	Inertia
(lb-ft)	(% FLT)	(% FLT)	(% FLT)	(lb-ft²)
296	100	100	251	41

Safe Stall	Safe Stall Time(s)		Bearin	ne*	Approx. Motor Weight	
Cold	Hot	Pressure	Bearin	ys ————————————————————————————————————	Approx. Motor Weight	
Oolu	1100	dB(A) @ 1M	DE	NDE	(lbs)	
20	20	-	6319C3	6319C3	3200	

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

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

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	TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.									
Engineering		Doc. Written By		Doc.# / Rev						
Engr. Date		Doc. Approved By		Doc. Issued						



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NAMEPLATE DATA

Model: 2003XPAK11B-C

Comments 4:

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
200	149.138	2	3562	N449TS	4000	60	3	25.26
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEXP	55	F	1.15	Cont.	92.4	В	G	40

Type:	HSB	
Form:		
Drive End Bearing:	6319C3	
Non-Drive End Bearing:	6319C3	
Power Factor:	92.5	
Max Safe RPM:		
Comments 1:		
Comments 2:		
Comments 3:		

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Engineering		Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1120 / 0
Engr. Date		Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

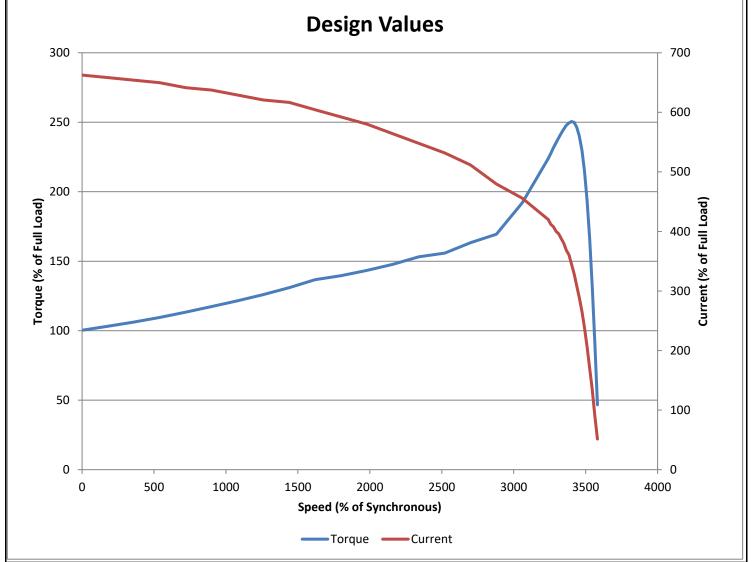
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SPEED TORQUE/CURRENT CURVE

Model: 2003XPAK11B-C

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
200	149.138	2	3562	N449TS	4000	60	3	25.26
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEXP	55	F	1.15	Cont.	92.4	В	G	40
Locked Rotor	Rotor wk ²		Torque					
Amps	Inertia	Full Load	Locked	Rotor	Pull Up)	Break	Down
Allips	(lb-ft²)	(lb-ft)	(%	6)	(%)		(%	%)
167.36	41	295.71	100.3144973		100.31449	73	250.53	359981



Customer	wk² Load Inertia (lb-ft²)	
Customer PO	Load Type	
Sales Order	Voltage (%)	100
Project #	Accel, Time	

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Engineering		Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121/0
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SPARE PARTS LIST*

Model: 2003XPAK11B-C

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
200	149.138	2	3562	N449TS	4000	60	3	25.26
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEXP	55	F	1.15	Cont.	92.4	В	G	40

Bearings DE	6319C3
Bearings NDE	6319C3

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

Other than the grease used for regreasable bearings and the oil used for oil-lubricated bearings, Toshiba advises that there are no "use" parts. The only insurance spares that Toshiba suggests for these squirrel-cage induction motors are industry-standard and commercially available off-the-shelf bearings as noted above.

Motor components such as terminal boxes, fan covers and other machined parts are available on special request. In these cases, please advise our order entry department of the model and serial numbers found on the motor nameplate and a description of the needed components. With this information they will be able to furnish the current part number, price and availability.

Note: Our internal part numbers are subject to change without notice and are not published.

Customer	
Customer PO	
Sales Order	
Project #	

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Engineering		Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1125 / 0
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