

		REAF	R SHAFT	EXTENSION	]									
FRAME SIZE	U	N-W	V	KEY SIZE	В	С	F	к	XEV	XG	XP	F1 ASSY BS	BA	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

			STAN	NDARD (	CAST IRC	N CONI	DUIT BO	XES			
	TEFC					EXPLOSION PROOF					
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.

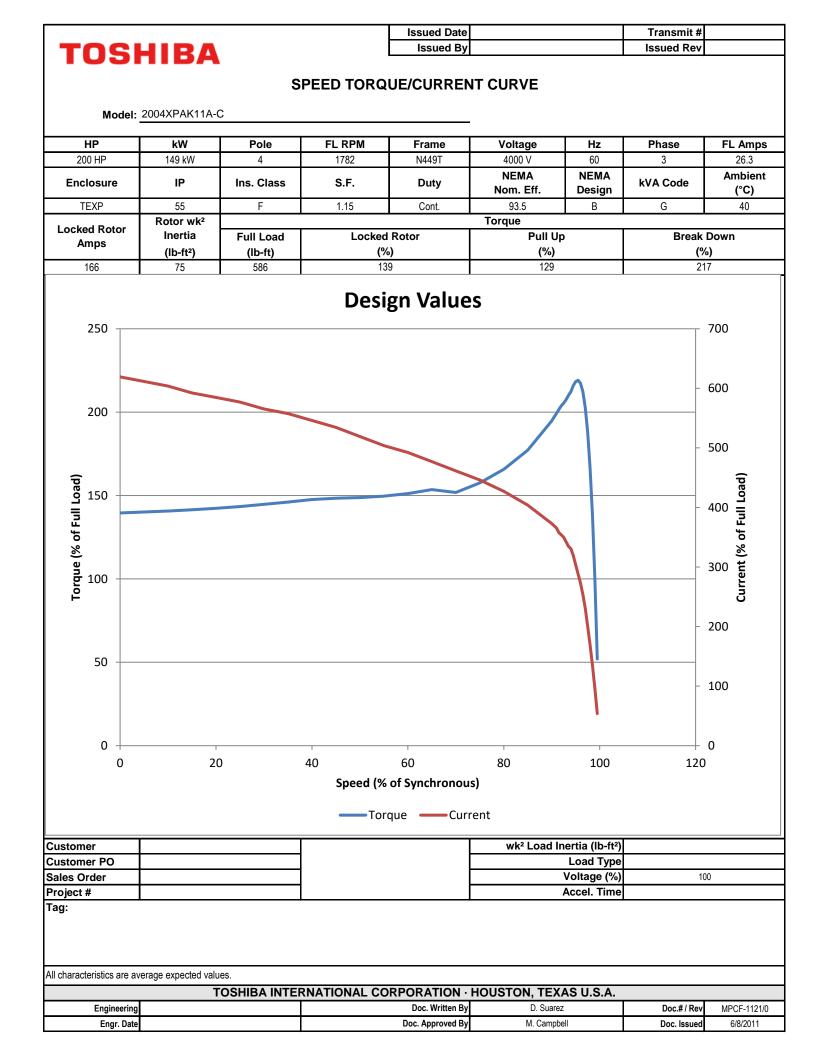
THESE DRAWINGS ARE PREPARED IN ACCORDANCE WITH THE NORMAL AND ACCEPTED STANDARDS WITHIN THE ELECTRICAL INDUSTRY FOR THE PURPOSE OF OBTAINING CUSTOMER APPROVAL AS PART OF THE MANUPACTURING OR PRODUCTION PROCESS. ANY USE OR COMMUNICATION OF

C. MOUNTING BOLTS, DOWELS & SHIMS ARE NOT SUPPLIED BY TOSHIBA D. ANTI-FRICTION BEARINGS MUST BE REGREASED WHILE MOTOR IS RUNNING.

				Issued Date			Transmit #	
TOSH	41BA			Issued By	1		Issued Rev	
		•						
		TYP	ICAL MOTOF	R PERFORM	IANCE DATA			
		_						
Model:	2004XPAK11A	-C			-			
	1.34/			<b>F</b>			Disco	<b>F</b> 1 <b>A</b>
<b>HP</b> 200 HP	<b>kW</b> 149 kW	Pole 4	FL RPM 1782	Frame N449T	<b>Voltage</b> 4000 V	<b>Hz</b> 60	Phase 3	<b>FL Amps</b> 26.3
200 ПР	149 KVV	4	1/02	114491	4000 V	NEMA	3	Ambient
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Design	kVA Code	(°C)
TEXP	55	F	1.15	Cont.	93.5	B	G	40
TEXI			1.10	oont.	50.0	Б	0	-10
Load	HP	kW	Ampe	eres	Efficiency	' (%)	Power F	actor (%)
Full Load	200	149	26.	-	93.5			7.8
<sup>3</sup> ⁄ <sub>4</sub> Load	150	112	19.		92.8			7.6
½ Load	100	75	14.	1	91.8		83	3.5
¼ Load	50	37						
No Load			6.2		-			2
Locked Rotor			16	6			26	6.3
			Torque	9				Rotor wk <sup>2</sup>
Full Lo	ad	Locke	d Rotor		ull Up	Bre	ak Down	Inertia
(lb-ft			FLT)		% FLT)		% FLT)	(lb-ft <sup>2</sup> )
586	,		39		129		217 75	
Safe Stall T	īme(s)	Sound		Bearin	nas*		Approx M	otor Weight
Oale Otali I				Dearn				Juli Meigin
	Hot	Pressure						
Cold	Hot	Pressure dB(A) @ 1M	DE		NDE			os)
	<b>Hot</b> 37		<b>DE</b> 6319	Ξ			(lk	
Cold		dB(A) @ 1M		Ξ	NDE		(lk	os)
Cold 32	37	dB(A) @ 1M -		Ξ	NDE	1	(lk	os)
Cold	37	dB(A) @ 1M -		Ξ	NDE	i	(lk	os)
Cold 32 *Bearings are the only re	37	dB(A) @ 1M -		Ξ	NDE		(lk	os)
Cold 32	37	dB(A) @ 1M -		Ξ	NDE	i	(lk	os)
Cold 32 *Bearings are the only re	37	dB(A) @ 1M -		Ξ	NDE		(lk	os)
Cold 32 *Bearings are the only re	37	dB(A) @ 1M -		Ξ	NDE		(lk	os)
Cold 32 *Bearings are the only re	37	dB(A) @ 1M -		Ξ	NDE		(lk	os)
Cold 32 *Bearings are the only re	37	dB(A) @ 1M -		Ξ	NDE	·	(lk	os)
Cold 32 *Bearings are the only re	37	dB(A) @ 1M -		Ξ	NDE	i	(lk	os)
Cold 32 *Bearings are the only re	37	dB(A) @ 1M -		Ξ	NDE	i	(lk	os)
Cold 32 *Bearings are the only re	37	dB(A) @ 1M -		Ξ	NDE		(lk	os)
Cold 32 *Bearings are the only re	37	dB(A) @ 1M -		Ξ	NDE	· · · · · · · · · · · · · · · · · · ·	(lk	os)
Cold 32 *Bearings are the only re	37	dB(A) @ 1M -		Ξ	NDE		(lk	os)
Cold 32 *Bearings are the only re	37	dB(A) @ 1M -		Ξ	NDE	· · · · · · · · · · · · · · · · · · ·	(lk	os)
Cold 32 *Bearings are the only re Motor Options:	37	dB(A) @ 1M -		Ξ	NDE	i	(lk	os)
Cold 32 *Bearings are the only re Motor Options: Customer	37	dB(A) @ 1M -		Ξ	NDE	; 	(lk	os)
Cold 32 *Bearings are the only re Motor Options: Customer Customer PO	37	dB(A) @ 1M -		Ξ	NDE		(lk	os)
Cold 32 *Bearings are the only re Motor Options: Customer Customer Customer PO Sales Order	37	dB(A) @ 1M -		Ξ	NDE		(lk	os)
Cold 32 *Bearings are the only re Motor Options: Customer Customer PO Sales Order Project #	37	dB(A) @ 1M -		Ξ	NDE		(lk	os)
Cold 32 *Bearings are the only re Motor Options: Customer Customer Customer PO Sales Order	37	dB(A) @ 1M -		Ξ	NDE		(Ik	os)
Cold 32 *Bearings are the only re Motor Options: Customer Customer PO Sales Order Project #	37	dB(A) @ 1M -		Ξ	NDE		(Ik	os)
Cold 32 *Bearings are the only re Motor Options: Customer Customer PO Sales Order Project #	37	dB(A) @ 1M -		Ξ	NDE		(Ik	os)
Cold 32 *Bearings are the only re Motor Options: Customer Customer PO Sales Order Project # Tag:	37 commended spare	dB(A) @ 1M		Ξ	NDE		(Ik	os)
Cold 32 *Bearings are the only re Motor Options: Customer Customer PO Sales Order Project #	37 commended spare	dB(A) @ 1M	6319	E	NDE 6319C3		(Ik	os)
Cold 32 *Bearings are the only re Motor Options: Customer Customer PO Sales Order Project # Tag: All characteristics are ave	37 commended spare	dB(A) @ 1M	6319	E IC3 IC3 RPORATION -	HOUSTON, TEX		( k	<b>95)</b> 00
Cold 32 *Bearings are the only re Motor Options: Customer Customer PO Sales Order Project # Tag:	37 commended spare	dB(A) @ 1M	6319	E	HOUSTON, TEX		(Ik	<b>95)</b> 00

Voltage         Hz           4000         60           NEMA         NEMA           Nom. Eff.         Design           93.5         B		FL Amp 26.3 Ambier (°C) 40
Voltage     Hz       4000     60       NEMA     NEMA       Nom. Eff.     Design	3 A In kVA Code	26.3 Ambier (°C)
4000 60 NEMA NEMA Nom. Eff. Design	3 A In kVA Code	26.3 Ambier (°C)
4000 60 NEMA NEMA Nom. Eff. Design	3 A In kVA Code	26.3 Ambier (°C)
NEMA NEMA Nom. Eff. Design	A kVA Code	Ambier (°C)
Nom. Eff. Design	in KVA Code	(°C)
93.5 B	G	40

Customer Customer PO Sales Order Project # Tag: All characteristics are average expected values. TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A. Doc. Written By Engineering D. Suarez Doc.# / Rev MPCF-1120 / 0 Doc. Approved By Engr. Date M. Campbell Doc. Issued 6/8/2011



				Issued Date			Transmit #	
TNGI	HIBA			Issued By			Issued Rev	
		_	SPARE	E PARTS LIS	ST*			
Model:	2004XPAK11A	-C			-			
Model:	2004XPAK11A	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
			<b>FL RPM</b> 1782	Frame N449T	Voltage 4000 V	<b>Hz</b> 60	Phase 3	<b>FL Amps</b> 26.3
HP	kW	Pole						

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

Bearings NDE

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.

6319C3

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 #					
Tag:					
All characteristics are average					
	TOSHIBA INTER	RNATIONAL CORPORATION · H	HOUSTON, TEXAS U.S.A.		
Engineering		Doc. Written By	D. Suarez	Doc.#/Rev	MPCF-1125 / 0
Engr Date		Doc. Approved By	M Campbell	Doc Issued	6/8/2011