TOSHIBA INTERNATIONAL CORPORATION TOSHIBA INTERNATIONAL CORPORATION TOSHIBA INTERNATIONAL CORPORATION TOSHIBA INTERNATIONAL CORPORATION TOSHIBA INTERNATIONAL CORPORATION TOSHIBA INTERNATIONAL CORPORATION TOSHIBA INTERNATIONAL CORPORATION	OF TECHNICAL DR APPLICATION	CUSTOMER:	NOTOR DIMENSIONS CONDUIT BOX 1.0 SRAME A B C D G J K Motor DIMENSIONS CONDUIT BOX 1.0 SIZE A B C D G J K Motor DIMENSIONS CONDUIT BOX CONDUIT BOX 1.0 SIZE A B CONDUIT MOX CONDUIT BOX 2.1 SIZE CONDUIT MOX ZZE 77.6 14.50 3.3 27.6 3.0.5 3.1 4.00 31.1 2.8 A 1.2 1.1 SIGE MOUNTING KETENSION KEY SEAT BEARINGS Maximum SIGE SIGE LS
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Issued Date

Issued By

6/28/2024

dschoeck

Transmit #

Issued Rev

TOO 522 4 1789 5810UZ 400 60 3 7PH Enclosure IP Ins. Class S.F. Duty NemA NemA KVA Code Ambinoma TEPC 54 F 1.15 CONT 95.8 - 40.0 oad HP KW Amperes Efficiency (%) Power Factor (%) uil Load 700.00 522.0 794 95.3 86.1 Load 350.00 391.5 613 95.2 84.1 Load 350.00 391.5 613 95.2 60.1 Load 175.00 130.5 305 89.2 60.1 Load 175.00 130.5 305 89.2 60.1 Load 0255 245 155 27.5 336.2 Cold Hot Locked Roro Pull Up Roro Roro Inert 2055 245 155 27.5 336.2 Inert	HP kW Pole FL RPM Frame Voltage Hz Pha	
Enclosure IP Ins. Class S.F. Dury NEMA Nom. Eff. Design Design IVA Code Amily (C) TEFC 54 F 1.15 CONT 55.8 - 40 add HP KW Amperes Efficiency (%) Power Factor (%) 40 add 700.00 522.0 794 95.9 66.1 40 Load 300.00 281.0 446 93.8 78.2 64.1 Load 350.00 281.0 446 93.8 78.2 60.1 Load 130.5 305 89.2 60.1 0.60 0.0 0.0 6.0 0.0<	700 522 4 1780 581017 460 60 5	
TEPC 54 F 1.15 CONT 95.8 - 40.0 cad HP KW Amperes Efficiency (%) Power Factor (%) Load 75.0 52.0 794 95.9 86.1 Load 75.0 391.5 613 95.2 84.1 Load 350.00 281.0 446 93.8 78.2 Load 60.1 Load 175.00 130.5 305 89.2 60.1 0.1 dt	Enclosure IP Ins Class S.E. Duty NEMA NEMA KVA (Code Ambient
Dad HP MV Amperes Efficiency (%) Power Factor (%) ull Load 700.00 522.0 794 96.9 86.1 Load 626.00 391.5 613 96.2 84.1 Load 550.00 261.0 446 93.3 78.2 Load 175.00 130.5 305 89.2 60.1 o Load 0.50 5678 31.2 500 6.0 ocked Rotor 56778 31.2 505 275 356.7 2055 245 155 275 356.7 Safe Stall Time(s) Pressure Bearings* Approx. Motor Weight (bs) 12 5 - NU328C3 6320C3 6120	Nom. Eff. Design	(³ °)
Uil Load 70.00 52.2.0 794 95.9 86.1 Load 55.0 391.5 613 95.2 84.1 Load 350.00 261.0 446 93.8 78.2 Load 175.00 130.5 305 89.2 60.1 o Load 0.10 0.10 6.0 31.2 Deked Rotor Full Load 194.0 6.0 31.2 Full Load Locked Rotor Pull Up Break Down (N+LT) Noter 10-10 (% FLT) (% FLT) (% FLT) (b-ft) 2055 245 155 275 396.2 Safe Stall Time(s) Sound Pressure Approx. Motor Weight 12 5 - NU328C3 6320C3 6120 earings are the only recommended spare part(s). Oto Options: 000 Options: 001 Options: <th>TEFC 54 F 1.15 CONT 95.8 -</th> <th>40 C</th>	TEFC 54 F 1.15 CONT 95.8 -	40 C
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Load 175.00 130.5 305 89.2 60.1 0 Load 0 Load 6.0 6.0 6.0 31.2 cked Rotor 5678 31.2 6.0 31.2 6.0 31.2 Full Load Locked Rotor Pull Up Break Down Rotor Inert (b-ti) Core Rotor Inert (b-ti) <		
Dubad 194.0 6.0 Solvet Rotor 31.2 Torque Rotor Full Load Locked Rotor Pull Up Break Down Rotor (b-ft) (% FLT) (% FLT) (% FLT) (b-ft) 2055 245 155 275 356.2 Safe Stall Time(s) Sound Bearings* Approx. Motor Weight Cold Hot dB(A) @ 1M DE NDE (b-s) 12 5 - NU328C3 6320C3 6120 earings are the only recommended spare part(s). otor Options: colded About Part PA De NDE Use Part PA Outring Fooled Shaft UZ Shaft 93 93 93 93		
acked Rotor 5678 31.2 Torque Torque Rotor (lb-tt) (% FLT) (% FLT) (lb-tt) (% FLT) (% FLT) 2055 245 155 275 Safe Stall Time(s) Sound Pressure dB(A) @ 1M Bearings* Approx. Motor Weigt (lbs) 12 5 - NU328C3 6320C3 6120 earlings are the only recommended spare part(s). of Options: roduct Family:EQP Global SD lounting:Footed Shaft:UZ Shaft		
Torque Rotor Full Load Locked Rotor (b-ft) (% FLT) (% FLT) (% FLT) 2055 245 155 275 362 Safe Stall Time(s) Sound Pressure dB(A) @ 1M Bearings* Approx. Motor Weight (bs) 12 5 - NU328C3 6320C3 6120 earings are the only recommended spare part(s). Oto Options: Torque Flore roduct Flamily.EOP Global SD counting.Footed_Shaft UZ Shaft set of the intervent of the in		
Full Load Locked Rotor Pull Up Break Down Inert. (lb-ft) (% FLT) (% FLT) (% FLT) (lb-ft) 2055 245 155 275 356.7 Safe Stall Time(s) Sound Pressure dB(A) @ 1M Bearings* Approx. Motor Weigl 12 5 - NU328C3 6320C3 6120 aarings are the only recommended spare part(s). other of priose: roduct Family:EQP Global SD ounting:Footed,Shaft:UZ Shaft	_	
(Ib-ft) (% FLT) (% FLT) <t< td=""><td></td><td>Rotor wk</td></t<>		Rotor wk
Safe Stall Time(s) Sound Pressure dB(A) @ 1M Bearings* Approx. Motor Weight (lbs) 12 5 - NU328C3 6320C3 6120		
Safe Stall Time(s) Sound Pressure dB(A) @ 1M Bearings* Approx. Motor Weight (bs) 12 5 - NU328C3 6320C3 6120 tearings are the only recommended spare part(s). Iotor Options: roduct Family:EOP Global SD founting: Footed. Shaft:UZ Shaft		
Iotor Options: roduct Family:EQP Global SD founting:Footed,Shaft:UZ Shaft ustomer ustomer PO ales Order roject # ales are average expected values.	12 5 - NU328C3 6320C3	6120
ustomer PO	Motor Options: Product Family:EQP Global SD Mounting:Footed,Shaft:UZ Shaft	
ales Order roject # ag: I characteristics are average expected values.	Customer DO	
roject # ag: I characteristics are average expected values.		
ag:		
	- -	
	characteristics are average expected values.	
Engineering zxie Doc. Written By D. Suarez Doc.# / Rev MPCF-111 Engr. Date 4/28/2021 Doc. Approved By M. Campbell Doc. Issued 6/8/20	I characteristics are average expected values. TOSHIBA INTERNATIONAL CORPORATION HOUSTON, TEXAS U.S.A.	



HP

700

Enclosure TEFC

Locked Rotor

Amps

5678

				Issued Date Issued By	6/28/202 dschoed		Transmit # Issued Rev	
	BA	SI	PEED TORQ	UE/CURREN			ISSUED REV	
odel:	F7004FLF4BMH	1						
	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
	522	4	1789	5810UZ	460	60	3	794
e	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
	54	F	1.15	CONT	95.8	-		40 C
tor	Rotor wk ²				Torque			
.01	Inertia	Full Load	Locked		Pull Up)	Break	
	(lb-ft²)	(lb-ft)	(%		(%)		(%	
	356.20	2055	24	.5	155		27	75
280	,		• •					40
21/								40 80 Current (%) 20
210							4	Current (%
210		20	40	6	0	80	4	20 Current (%)

Torque Current

Customer	wk² Loa	nd Inertia (Ib-ft²) -	
Customer PO		Load Type -	
Sales Order		Voltage (%) 100	
Project #		Accel. Time -	

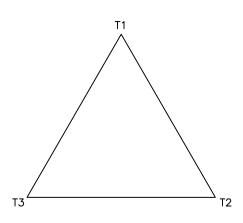
Tag:

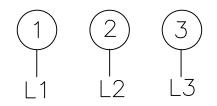
All characteristics are average expected values.

TOSHIBA INTERNATIONAL CORPORATION HOUSTON, TEXAS U.S.A.								
Engineering	zxie	Doc. Written By	D. Suarez	Doc.#/Rev	MPCF-1121 / 0			
Engr. Date	4/28/2021	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011			

3SVD

Motor Connection Diagram 3 Leads - Delta 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.



	Issued Date:	6/28/202	24	Transmit #:				
	Issued By:	dschoed	:k	Issued Rev:				
SPARI	SPARE PARTS LIST*							
FL RPM	Frame	Voltage	Hz	Phase	FL Amps			
1789	5810UZ	460	60	3	794			
S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)			
1.15	CONT	95.8	-		40 C			

Model: F7004FLF4BMH

kW

522

Pole

1

HP

700

700	522	4	1769	30100Z	400	00	3	1 1
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Am (
TEFC	54	F	1.15	CONT	95.8	-		4
	1							
Bearings DE	NU328C3 / 140	RU03M3OX						
Bearings NDE	6320C3 / 100B	C03J3OX						
*Bearings are the or	ly recommended sna	re nart(s)						

*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 #									
Tag:									
All characteristics are av	All characteristics are average expected values.								
TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.									
Engineering	zxie	Doc. Written By	D. Suarez	Doc.#/Rev	MPCF-1125 / 0				
Engr. Date	4/28/2021	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011				