



TYPICAL	MOTOR	PERFORMANCE DATA
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Issued Date

Issued By

6/19/2025

dschoeck

Transmit #

Issued Rev

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
5	3.7	4	1750	184TC	230/460	60	3	13.0/6.5
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.15	CONT	89.5	В		40 C
oad	HP	kW	Ampe		Efficiency	/ (%)	Power Fa	
ull Load	5.00	3.7	6.		89.7		81	
Load	3.75	2.8	5.		89.3		77	
Load	2.50	1.9	4.		87.6		69	
Load	1.25	0.9	2.		81.7		51	
o Load ocked Rotor		-	2.				5. 46	
Full Lo	bad	Locked	Torque I Rotor		ll Up	Brea	ak Down	Rotor wk ² Inertia
(lb-ft	t)	(% F	FLT)	(%	FLT)	(%	6 FLT)	(lb-ft²)
15.0		25		2	240		370	0.50
Cold	Hot	Pressure dB(A) @ 1M	DE	Bearing E	gs* NDE		Approx. Mo	_
35	15	dB(A) @ 1M -	DE 63062	E				s)
	15 ecommended spar	dB(A) @ 1M -		E	NDE		(lb	s)
35 Bearings are the only re Notor Options: Product Family:EQF Mounting:C-Face R	15 ecommended spar	dB(A) @ 1M -		E	NDE		(lb	s)
35 Bearings are the only re lotor Options: Product Family:EQF Aounting:C-Face R Jounting:C-Face R	15 ecommended spar	dB(A) @ 1M -		E	NDE		(lb	s)
35 learings are the only re lotor Options: roduct Family:EQF founting:C-Face R ustomer ustomer PO ales Order	15 ecommended spar	dB(A) @ 1M -		E	NDE		(lb	s)
35 Bearings are the only re lotor Options: Product Family:EQF Jounting:C-Face R	15 ecommended spar	dB(A) @ 1M -		E	NDE		(lb	s)
35 learings are the only re lotor Options: roduct Family:EQF founting:C-Face R dounting:C-Face R ustomer ustomer ustomer PO ales Order roject #	15 ecommended span P Global SD ound,Shaft:T S	dB(A) @ 1M	63062	E ////	NDE 6306ZZ	C3	(lb	s)
35 earings are the only re otor Options: roduct Family:EQF lounting:C-Face R ustomer ustomer PO ales Order roject #	15 ecommended spar P Global SD ound,Shaft:T S	dB(A) @ 1M	63062	E ////	NDE 6306ZZ	C3	(lb	s)



.eading	Innovation	>>>
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5 3.7 4 1430 194TC 190(38) 50 3 16683 Enclosure IP Ins. Class 6.F. Duty NEMA Nom. Eff. Design KVA Code Ambient (C) TEFC 55 F 1.0 CONT 86.5 B 40 C add 100 37 6.3 Bffclinney (%) Power Factor (%) 100 add 373 2.8 55 97.7 74.8 Load 2.73 2.8 55 97.7 74.8 Load 1.25 0.9 4.0 81.1 43.3 Load 1.25 0.9 4.0 81.1 43.3 Load 1.25 0.9 4.0 81.1 43.3 Load 1.26 0.9 4.0 81.0 81.0 6.5 Load 1.25 0.9 0.0 3.3 6.5 5.3 5.3 Load Load Locked Rotor Colad	HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
Enclosure IP Ins. Class S.F. Duty NEMA Non. Eff. Design Design KVA Code Amblem (C) TEFC 55 F 1.0 CONT 86.5 B 40 C pad MP MW Amperes Efficiency (%) Power Factor (%) Load 3.7 6.3 86.4 75.0 Load 3.7 6.3 86.4 75.0 Load 1.25 0.9 4.0 81.1 64.5 Load 1.25 0.9 3.8 81.1 6.5 otcad 1.25 0.9 3.8 81.1 6.5 ocked Rotor Torque Torque Rotor wi Inertia Full Load Locked Rotor (% FLT) (% FLT) (% FLT) 18.4 220 200 280 0.43 Safe Stall Time(s) Sound DE NDE (Ubrs) 33 15 - 63062ZC3 63062ZC3 108									
TEPC 55 F 1.0 CONT 96.5 B 40 C cad HP HW Amperes Efficiency (%) Power Factor (%) Power Factor (%) Load 5.0 3.7 8.3 6.5 87.7 74.6 Load 3.75 2.8 6.5 87.7 74.6 73.0 Load 1.25 0.9 4.0 81.1 43.3 0.64.7 Load 1.25 0.9 4.0 81.1 45.5 65.5 ocked Rotor 33 0.00 81.1 45.5 65.5 65.7 Load Coked Rotor Yet 10.4 200 200 280 0.43 Safe Stall Time(9) Sound Pressure Bearings* Approx. Motor Weight (b.4) Cold Hot Pressure Bearings* Approx. Motor Weight 35 15 - 63082ZC3 63082ZC3 108 weights are houly recommended spare part(9). Sound and and	Enclosure		Ins. Class			NEMA	NEMA		Ambient
Safe Stall Time(s) Sound (b-ft) Sound (b-ft) Sound (b-ft) Boarings* Approx. Motor Weight (b-ft) Safe Stall Time(s) Sound (b-ft) Sound (b-ft) Sound (b-ft) Boarings* Approx. Motor Weight (b-ft) Safe Stall Time(s) Sound (b-ft) Sound (b-ft) Boarings* Approx. Motor Weight (b-ft) Safe Stall Time(s) Sound (blob) Boarings* Approx. Motor Weight (blob) 35 15 - 6306ZZC3 108 astrings are the ony recommended spare part(s). Sourd Family:CPP Clobal SD Boaring: CP Face Round, Shaft T Shaft Shaft stormer	TEEC	55	F	1.0	CONT				
UII Load 5.00 3.7 0.3 0.64 7.90 Load 3.75 2.8 0.5 0.77 74.6 Load 2.50 1.9 6.6 87.1 0.64.7 Load 1.25 0.9 4.0 81.1 43.3 Load 1.25 0.9 3.8 53.3 53.3 Dicad Locked Rotor 70 (% FLT) (% FLT) (% FLT) (Ib-ft) (% FLT) (% FLT) (% FLT) (% FLT) (% FLT) (Ib-ft) (BEA) @ 1M DE NDE ((lbs) 10.8 35 1.5			<u> </u>	1.0	00111	00.0	U		40.0
UII Load 5.00 3.7 0.3 0.64 7.90 Load 3.75 2.8 0.5 0.77 74.6 Load 2.50 1.9 6.6 87.1 0.64.7 Load 1.25 0.9 4.0 81.1 43.3 Load 1.25 0.9 3.8 53.3 53.3 Dicad Locked Rotor 70 (% FLT) (% FLT) (% FLT) (Ib-ft) (% FLT) (% FLT) (% FLT) (% FLT) (% FLT) (Ib-ft) (BEA) @ 1M DE NDE ((lbs) 10.8 35 1.5	oad	НР	kW	Ampe	eres	Efficiency	y (%)	Power Fa	actor (%)
Load 2.50 1.9 5.0 87.1 64.7 Load 1.25 0.9 4.0 81.1 43.3 Octad 3.8 0.5 53.3 53.3 octed Rotor 53 53.3 53.3 Full Load Locked Rotor 100 Break Down Inertia (Ib-ft) (VK FLT) (VK FLT) (VK FLT) (VK FLT) (Ub-ft) (Ib-ft) (VK FLT) (VK FLT) (VK FLT) (Ub-ft) (Ub-ft) </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1 1</td>									1 1
Load 1.25 0.9 4.0 81.1 43.3 0 Load 3.8 0.65 6.6 6.6 6	Load	3.75	2.8	6.	5	87.7		74	.6
0 Load 3.8 6.5 ocked Rotor 53 53.3 Torque Rotor wi Full Load Locked Rotor (lb-ft) (% FLT) (% FLT) (% FLT) (lb-ft) (% FLT) (% FLT) (% FLT) 18.4 220 200 280 0.43 Safe Stall Time(s) Pressure Bearings* Approx. Motor Weight Cold Hot dB(A) & M DE NDE (lbs) 35 15 - 6306ZZC3 6306ZZC3 108 sarings are the only recommended spare part(s). totor Options: rotor options: rotor options: totor options: totoptiot # age:	Load	2.50	1.9	5.	0	87.1		64	.7
Safe Stall Time(s) Sound (% FLT) Pull Up (% FLT) Break Down (% FLT) Rotor with Inertial (% FLT) 18.4 220 200 280 0.43 Safe Stall Time(s) Sound Pressure dB(A) @ 1M Bearings* Approx. Motor Weight (bs) 35 15 - 6306ZZC3 6306ZZC3 108 variants are the only recommended spare part(s). totor Options: roduct Family.EOP Global SD founting C-Face Round, Shaft:T Shaft ustomer PO lates Order roject # age: International CORPORATION - HOUSTON, TEXAS U.S.A. TOSHIBA INTERNATIONAL CORPORATION - HOUSTON, TEXAS U.S.A. Engineering Dec. Wittin By 0. Saarz Dec.f Ref MPCE-1116/	Load	1.25	0.9			81.1		43	3.3
Control Image: Safe Stall Time(s) Sound (% FLT) Torque (% FLT) Pull Up (% FLT) Break Down (% FLT) Rotor wh inertia (b-ft?) 18.4 220 200 280 0.43 Safe Stall Time(s) Sound Pressure dB(A) @ 1M Bearings' Approx. Motor Weight (bs) 35 15 - 6306ZZC3 6306ZZC3 108 aerings are the only recommended spare part(s). toto Options: roduct Earnity:EOP Global SD tourting:C-Face Round,Shaft:T Shaft ustomer PO safes or FOP signeering agr: total INTERNATIONAL CORPORATION - HOUSTON, TEXAS U.S.A. TOSHIBA INTERNATIONAL CORPORATION - HOUSTON, TEXAS U.S.A. TOSHIBA INTERNATIONAL CORPORATION By 0. Same Doc.#/Re MPCF-1116//	o Load								
Full Load Locked Rotor Pull Up Break Down Inertia (lb-ft) (% FLT) (% FLT) (% FLT) (bft) 18.4 220 200 280 0.43 Safe Stall Time(s) Sound Pressure dB(A) @ 1M Bearings* Approx. Motor Weight (lbs) 35 15 - 6306ZZC3 6306ZZC3 108 tearings are the only recommended spare part(s). total Family COP Global SD fourthing:C-Face Round, Shaft:T Shaft ustomer PO ales Order ales Order topiet # ales Order TOSHIBA INTERNATIONAL CORPORATION - HOUSTON, TEXAS U.S.A. TOSHIBA INTERNATIONAL CORPORATION - HOUSTON, TEXAS U.S.A.	ocked Rotor			53	3			53	3.3
Full Load Locked Rotor Pull Up Break Down Inertia (lb-ft) (% FLT) (% FLT) (% FLT) (bft) 18.4 220 200 280 0.43 Safe Stall Time(s) Sound Pressure dB(A) @ 1M Bearings* Approx. Motor Weight (lbs) 35 15 - 6306ZZC3 6306ZZC3 108 tearings are the only recommended spare part(s). total Family COP Global SD fourthing:C-Face Round, Shaft:T Shaft ustomer PO ales Order ales Order topiet # ales Order TOSHIBA INTERNATIONAL CORPORATION - HOUSTON, TEXAS U.S.A. TOSHIBA INTERNATIONAL CORPORATION - HOUSTON, TEXAS U.S.A.									
(Ib-ft) (% FLT) (% FLT) (% FLT) (Ib-ft) 18.4 220 200 280 0.43 Safe Stall Time(s) Sound Pressure dB(A) @ 1M DE NDE (ibs) 35 15 - 6306ZC3 6306ZC3 108 tearings are the only recommended spare part(s). toduct Family:EQP Clobal SD foour Ung:C-Face Round,Shaft T Shaft ustomer ustomer PO ales Order roject # are verage expected values. toduct Family:EQP Clobal SD foour Ung:C-Face Round,Shaft T Shaft		-	•						Rotor wk
18.4 220 200 280 0.43 Safe Stall Time(s) Sound Pressure dB(A) @ 1M Sound DE NDE Approx. Motor Weight (bs) 35 15 - 6306ZC3 6306ZC3 108 readings are the only recommended spare part(s). tearings are the only recommended spare part(s). totor Options: roduct Family:EOP Global SD founting:C-Face Round,Shaft:T Shaft ustomer PO ales Order roject # ales Order roject # TOSHIBA INTERNATIONAL CORPORATION - HOUSTON, TEXAS U.S.A. grace TOSHIBA INTERNATIONAL CORPORATION - HOUSTON, TEXAS U.S.A. grace						•			
Safe Stall Time(s) Sound Pressure dB(A) @ 1M Bearings* Approx. Motor Weight (bs) 35 15 - 6306ZZC3 6306ZZC3 108 earings are the only recommended spare part(s). toduct Parnity: EQP Clobal SD Toduct Parnity: EQP Clobal SD Tooluct # ustomer ustomer PO ales Order roject # ales Order roject # ales Order roject # ag: I characteristics are average expected values. TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A. garce							(%		. ,
learings are the only recommended spare part(s).									
Iounting:C-Face Round,Shaft:T Shaft ustomer ustomer ustomer PO ales Order ales Order roject # ag: I characteristics are average expected values. I characteristics are average expected values. TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A. Engineering garce Doc. Written By D. Suarez Doc#/Rev MPCF-1119/			- F F						
ustomer PO ales Order roject # ag: I characteristics are average expected values. I characteristics are average expected values. Engineering garce Doc. Written By D. Suarez Doc.#/Rev MPCF-1119/	Notor Options: Product Family:EQI	P Global SD	,						
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ag: I characteristics are average expected values. TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A. Engineering garce Doc. Written By D. Suarez Doc.# / Rev MPCF-1119 /	lotor Options: roduct Family:EQF founting:C-Face R ustomer ustomer PO	P Global SD	,						
I characteristics are average expected values. TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A. Engineering garce Doc. Written By D. Suarez Doc.# / Rev MPCF-1119 /	otor Options: roduct Family:EQF lounting:C-Face R ustomer ustomer PO	P Global SD	,						
TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A. Engineering garce Doc. Written By D. Suarez Doc.# / Rev MPCF-1119 /	otor Options: roduct Family:EQF lounting:C-Face R ustomer ustomer PO ales Order roject #	P Global SD	,						
Engineering garce Doc. Written By D. Suarez Doc.# / Rev MPCF-1119 /	otor Options: roduct Family:EQF lounting:C-Face R ustomer ustomer PO ales Order roject #	P Global SD	,						
	otor Options: roduct Family:EQF lounting:C-Face R ustomer ustomer PO ales Order roject #	P Global SD Round,Shaft:T S	haft						
Engr. Date 6/5/2015 Doc. Approved By M. Campbell Doc. Issued 6/8/2011	otor Options: roduct Family:EQF lounting:C-Face R ustomer ustomer PO ales Order roject # ag: characteristics are av	P Global SD Round,Shaft:T S	haft	NATIONAL CO					



HP

5

Enclosure

TEFC

Locked Rotor

Amps

46

Model: 0054SDSR44A-P

kW

3.7

IP

55

Rotor wk²

Inertia

(lb-ft²)

0.50

Pole

4

Ins. Class

F

Full Load

(lb-ft)

15.0

	Issued Date	6/19/2025		Transmit #	
	Issued By	dschoe	ck	Issued Rev	
PEED TORQ	UE/CURREN	T CURVE			
FL RPM	Frame	Voltage	Hz	Phase	FL Amps
1750	184TC	230/460	60	3	13.0/6.5
S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
1.15	CONT	89.5	В		40 C
		Torque			
Locked	I Rotor	Pull U	р	Break	Down
(%	6)	(%)		(%	()
25	55	240		37	70
Des	sign Value	es			00
	FL RPM 1750 S.F. 1.15 Lockec (% 25	Issued By PEED TORQUE/CURRENT FL RPM Frame 1750 184TC S.F. Duty 1.15 CONT Locked Rotor (%) 255	Issued By dschoe Issued By dschoe PEED TORQUE/CURRENT CURVE FL RPM Frame Voltage 1750 184TC 230/460 S.F. Duty NEMA Nom. Eff. 1.15 CONT 89.5 Torque Locked Rotor Pull U (%) (%)	FL RPM Frame Voltage Hz 1750 184TC 230/460 60 S.F. Duty NEMA Nom. Eff. Design 1.15 CONT 89.5 B Torque Locked Rotor Pull Up (%) Q(%) 255 240	Issued By dschoeck Issued Rev PEED TORQUE/CURRENT CURVE FL RPM Frame Voltage Hz Phase 1750 184TC 230/460 60 3 S.F. Duty NEMA NEMA NEMA 1.15 CONT 89.5 B 1 Torque Locked Rotor Pull Up Break (%) (%) (%) 255 240 37

450 360 640 480 270 Torque (%) Current 180 320 90 160 ᅄ 100 20 40 60 80 Synchronous Speed (%) Torque Current Customer wk² Load Inertia (lb-ft²) -Customer PO Load Type -Voltage (%) 100 Sales Order Project # Accel. Time _ Tag: All characteristics are average expected values. TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A. zxie Doc. Written By D. Suarez Engineering Doc.#/Rev MPCF-1121 / 0 7/19/2019 M. Campbell Engr. Date Doc. Approved By 6/8/2011 Doc. Issued



HP

5

Enclosure TEFC

Locked Rotor

Amps

53

	Issued Date	0404 2410		Transmit #	
	Issued By	dschoeck		Issued Rev	
PEED TORQ	UE/CURREN	T CURVE			
FL RPM	Frame	Voltage	Hz	Phase	FL Amps
1430	184TC	190/380	50	3	16.6/8.3
S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
1.0	CONT	86.5	В		40 C
		Torque			
			р	Break	
22	0	200		280	
	-	200		20	50
Des	sign Value				50
Des	sign Value			7	-
	FL RPM 1430 S.F. 1.0 Locked (%	Issued By Issued By PEED TORQUE/CURREN FL RPM Frame 1430 184TC S.F. Duty	Issued By dschoe PEED TORQUE/CURRENT CURVE FL RPM Frame Voltage 1430 184TC 190/380 S.F. Duty NEMA Nom. Eff. 1.0 CONT 86.5 Torque Locked Rotor Pull U (%) (%)	Issued By dschoeck PEED TORQUE/CURRENT CURVE FL RPM Frame Voltage Hz 1430 184TC 190/380 50 S.F. Duty NEMA Nom. Eff. NEMA Design 1.0 CONT 86.5 B Torque Locked Rotor Pull Up (%) Q%)	FL RPM Frame Voltage Hz Phase 1430 184TC 190/380 50 3 S.F. Duty NEMA Nom. Eff. NEMA Design kVA Code 1.0 CONT 86.5 B 5 Torque Locked Rotor Pull Up Break (%) 6%) 6%

Current (%)

300

150

100

80

kW

3.7

IP

55

Rotor wk²

Inertia

(lb-ft²)

0.43

Pole

4

Ins. Class

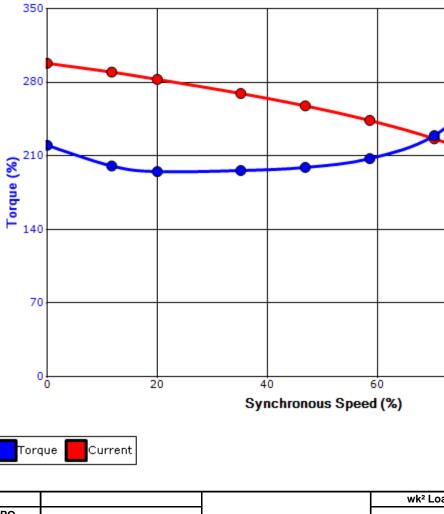
F

Full Load

(lb-ft)

18.4

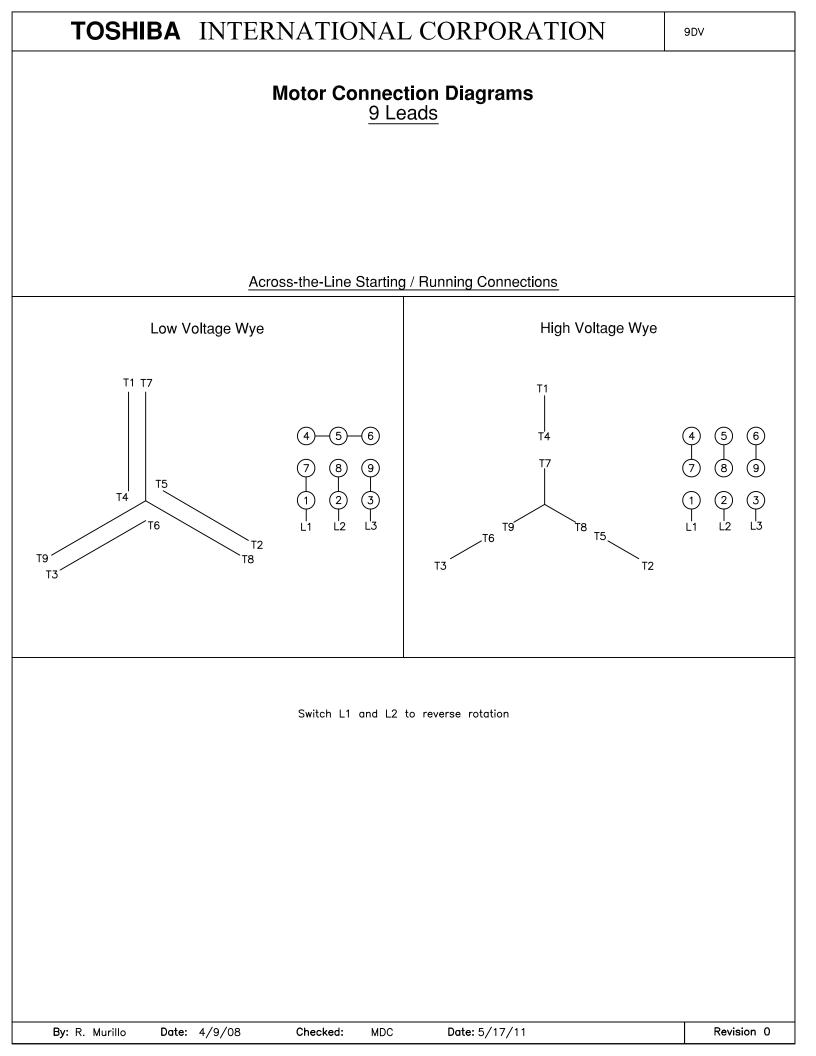
Model: 0054SDSR44A-P



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.

	* 1							
TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.								
Engineering	garce	Doc. Written By	D. Suarez	Doc.#/Rev	MPCF-1121 / 0			
Engr. Date	6/5/2015	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011			



TOSHIBA	
Leading Innovation >>>	

	Issued Date:	6/19/20)25	Transmit #:	
	Issued By:	dschoe	eck	Issued Rev:	
SPAR	E PARTS LIS	Τ*			
FL RPM	Frame	Voltage	Hz	Phase	FL Amps
FL RPM 1750	Frame 184TC	Voltage 230/460	Hz 60	Phase 3	FL Amps 13.0/6.5
		-			

Model: 0054SDSR44A-P

HP kW Pole

5	3.7	4	1750	184TC	230/460	60	3	13.0/6.5
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.15	CONT	89.5	В		40 C
Bearings DE	6306ZZC3 / 30	BC03JPP3OA						
Bearings NDE	6306ZZC3 / 30	BC03JPP3OA						

*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	verage expected values.				
	TOSHIBA INTER	RNATIONAL CORPORATION ·	HOUSTON, TEXAS U.S.A.		
Engineering	zxie	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1125 / 0
Engr. Date	7/19/2019	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011