



Innovation	>>>	

TYPICAL MOTOR PERFORMANCE DATA

Issued Date

Issued By

6/19/2025

dschoeck

Transmit #

Issued Rev

								1
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	/ (%)		actor (%)
ull Load	5.00	3.7	6.		89.7			1.2
Load	3.75 2.50	2.8 1.9	<u>5</u> . 4.		89.3 87.6		69	7.6
Load	1.25	0.9	2.		81.7			1.1
o Load	1.25	0.9	2.		01.7			.9
ocked Rotor		ŀ	2.					.9 3.0
Full Loa	ad		Torque d Rotor	Pu	ll Up	Brea	ak Down	Rotor wk ² Inertia
(lb-ft)		(%	FLT)	(%	FLT)	(%	6 FLT)	(lb-ft²)
15.0		2	55		240		370	0.50
Cold	Hot	dB(A) @ 1M	DI	E	NDE		(Ik	os)
35 Bearings are the only rec	15	-	DI 63062		NDE 6306ZZ	С3		os) 10
35	15 commended spare Global SD CF	- e part(s). ace Footed				C3		-
35 Bearings are the only rec Iotor Options: Product Family:EQP	15 commended spare Global SD CF	- e part(s). ace Footed				C3		-
35 Bearings are the only rec lotor Options: Product Family:EQP Nounting:C-Face Fo	15 commended spare Global SD CF	- e part(s). ace Footed				C3		-
35 Bearings are the only rec lotor Options: roduct Family:EQP founting:C-Face Fo ustomer ustomer PO	15 commended spare Global SD CF	- e part(s). ace Footed				C3		-
35 Bearings are the only red lotor Options: roduct Family:EQP founting:C-Face Fo dounting:C-Face Fo ustomer PO ales Order	15 commended spare Global SD CF	- e part(s). ace Footed				C3		-
35 earings are the only rec otor Options: roduct Family:EQP lounting:C-Face Fo lounting:C-Face Fo ales Order roject #	15 commended spare Global SD CF oted,Shaft:T S	e part(s). ace Footed haft	63062	72C3	6306ZZ			-
35 Bearings are the only red lotor Options: roduct Family:EQP founting:C-Face Fo dounting:C-Face Fo ustomer ustomer PO ales Order roject #	15 commended spare Global SD CF oted,Shaft:T S		63062	72C3	6306ZZ	AS U.S.A.		



Leading Innovation >>>

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HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
5	3.7	4	1430	184TC	190/380	50	3	16.6/8.3
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient
TEFC	55	F	1.0	CONT	86.5	B		(°C) 40 C
ILIC			1.0	CONT	00.5	В		400
oad	HP	kW	Ampe	eres	Efficiency	y (%)	Power F	actor (%)
ull Load	5.00	3.7	8.		86.4			9.0
Load	3.75	2.8	6.	5	87.7		74	4.6
Load	2.50	1.9	5.	0	87.1			4.7
Load	1.25	0.9	4.	0	81.1		43	3.3
o Load			3.					.5
ocked Rotor			53	3			53	3.3
	-		Torque			_		Rotor wk ²
Full Lo			d Rotor		III Up		ak Down	Inertia
(lb-ft 18.4		(% F	-LT) 20		FLT) 200	(%	<mark>% FLT)</mark> 280	(lb-ft²) 0.43
Cold	Hot	Pressure		Bearin			Approx. Mo	-
Cold 35	Hot 15	dB(A) @ 1M	DI 63062	E	NDE 6306ZZ		(lk	os) 10
35 Bearings are the only re Iotor Options: Product Family:EQF	15 commended spare P Global SD CF	dB(A) @ 1M - e part(s). ace Footed		E			(lk	os)
35 Bearings are the only re	15 commended spare P Global SD CF	dB(A) @ 1M - e part(s). ace Footed		E			(lk	os)
35 Bearings are the only re Iotor Options: Iroduct Family:EQF	15 commended spare P Global SD CF	dB(A) @ 1M - e part(s). ace Footed		E			(lk	os)
35 earings are the only re otor Options: roduct Family:EQF tounting:C-Face Fo ustomer ustomer PO	15 commended spare P Global SD CF	dB(A) @ 1M - e part(s). ace Footed		E			(lk	os)
35 learings are the only re lotor Options: roduct Family:EQF founting:C-Face Fo dounting:C-Face Fo ustomer ustomer PO ales Order	15 commended spare P Global SD CF	dB(A) @ 1M - e part(s). ace Footed		E			(lk	os)
35 earings are the only re otor Options: roduct Family:EQF lounting:C-Face Fo lounting:C-Face Fo ustomer ustomer PO ales Order roject #	15 commended spare P Global SD CF	dB(A) @ 1M - e part(s). ace Footed		E			(lk	os)
35 learings are the only re lotor Options: roduct Family:EQF lounting:C-Face Fo lounting:C-Face Fo ustomer	15 commended spare P Global SD CF	dB(A) @ 1M - e part(s). ace Footed		E			(lk	os)
35 earings are the only re otor Options: roduct Family:EQF lounting:C-Face Fo lounting:C-Face Fo ustomer ustomer PO ales Order roject #	15 ecommended spare P Global SD CF poted,Shaft:T S	dB(A) @ 1M -	63062	E	6306ZZ	C3	(lk	os)
35 earings are the only re otor Options: roduct Family:EQF lounting:C-Face Fo lounting:C-Face Fo lounting:C-Face Fo lounting:C-Face Fo lounting:C-Face Fo	15 ecommended spare P Global SD CF poted,Shaft:T S	dB(A) @ 1M -	63062	E	6306ZZ	C3	(lk	os)



HP

5

Enclosure

TEFC

Locked Rotor

Amps

46

Added to the second design of				Issued Date	6/19/20		Transmit #	
BY LOAD LEVAL PE Model: 0554SDSR42A:P We be the set of the set o				Issued By	dschoe	СК	Issued Rev	
odei: <a <="" href="http://www.communication.com" th="" www.com="" www.com"=""><th>Innovation >>></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th>	Innovation >>>							
Image: state of the s		31		UE/CURREN	ICURVE			
3.7 4 1750 184TC 230/460 60 3 15 re IP Ins. Class S.F. Duty NEMA NEM	odel: 0054SDSR42	A-P						
re IP Ins. Class S.F. Duty NEMA Non. Eff. Design KVA Code An Design Values Stor Rotor wk² Inertia (b-ft?) (%) Break Down (%) (%) (%) (%) (%) (%) (%) (%) (%) (%)								FL Amps
e IP Ins. Class S.F. Duty Nom. Eff. Design KVA Code ior 55 F 1.16 CONT 89.5 B Ior ior Rotor wk² Inertia Full Load Cont (%) Pull Up Break Down (%) 0.50 15.0 255 240 370 Design Values 450 Gamma Control B Control B 0.50 15.0 255 240 370 Design Values 450 0.50 15.0 255 240 370 90 0.50 15.0 255 240 300 Other is the image of the image o	3.7	4	1750	184TC			3	13.0/6.5
tor rorque tor rorque (lb-ft) Full Load Locked Rotor (lb-ft) (lb-ft) (%) (%) (%) (%) 0.50 15.0 255 240 370 Design Values 450 450 450 450 450 450 450 450	e IP	Ins. Class	S.F.	Duty			kVA Code	Ambient (°C)
Inertia Full Load Locked Rotor Pull Up Break Down (lb-ft) (%) (%) (%) (%) 0.50 15.0 255 240 370 Design Values 450 0 0 0 0 450 0 0 0 0 0 450 0 0 0 0 450 0 0 0 0 450 0 0 0 0 450 0 0 0 0 450 0 0 0 0 450 0 0 0 0 450 0 0 0 0 450 0 0 0 0 450 0 0 0 0 450 0 0 0 0 450 0 0 0 450 0 0 0 450 0 0 0 450 0 0 0 400 0 0 0	55	F	1.15	CONT				40 C
Instrue Puil Load Locket Roor Puil Up Break Down 0.50 15.0 255 240 370 Design Values 450 0.50 15.0 255 240 370 Design Values 450 0.60 0.60 60 60 360 0.60 0.60 0.60 60 60 360 0.60 0.60 0.60 0.60 0.60 Torque Current Iterate wk² Load Inertia (Ib-ft?) .	or							
0.50 15.0 255 240 370 Design Values	Inertia					р		
Design Values								
Torque Current	0.50	15.0	25	5	240		37	0
Torque Current	360		•		×		6	40
180 0 320 90 0 0 0 0 0 0 160 0 20 40 60 80 100 100 Synchronous Speed (%) Torque Current	270						4	⁸⁰ Curre
90 90 90 90 90 90 90 90 90 90	180							nt (%)
Torque Current wk² Load Inertia (Ib-ft²) -	180							20
Torque Current	90							60
0 20 40 60 80 100 Synchronous Speed (%) Torque CurrentCurrent								
0 20 40 60 80 100 Synchronous Speed (%) Torque Current wk² Load Inertia (Ib-ft²) -								
Torque Current	ŏ	20				80	100	
wk² Load Inertia (Ib-ft²) -			Synch	ronous Speed	(%)			
wk² Load Inertia (Ib-ft²) -								
		ent						
					wk² Load I	nertia (lb-ft²)	-	
						Load Type		

100

-

Voltage (%)

Accel. Time

Tag:

Customer Customer PO

Sales Order

Project #

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	7/19/2019	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011			



HP

5

Enclosure

TEFC

Locked Rotor

53

Customer

Project #

Tag:

	Issued Date		6/19/20		Transmit #			
		Issued By	dschoe	ck	Issued Rev			
SF	PEED TORQ	UE/CURREN	T CURVE					
Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps		
4	1430	184TC	190/380	50	3	16.6/8.3		
ns. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)		
F	1.0	CONT	86.5	В		40 C		
			Torque					
Full Load	Locked		Pull U	р	Break			
(lb-ft)	(%		(%)		(%			
18.4	22	20	200		28	280		
	Des	sign Value						
	Des				7	50		
	Des				7			
	Des				6	50		
	Des				6	50		
	Des					50		

50

-

-

100

_

MPCF-1121 / 0

6/8/2011

Model: 0054SDSR42A-P

kW

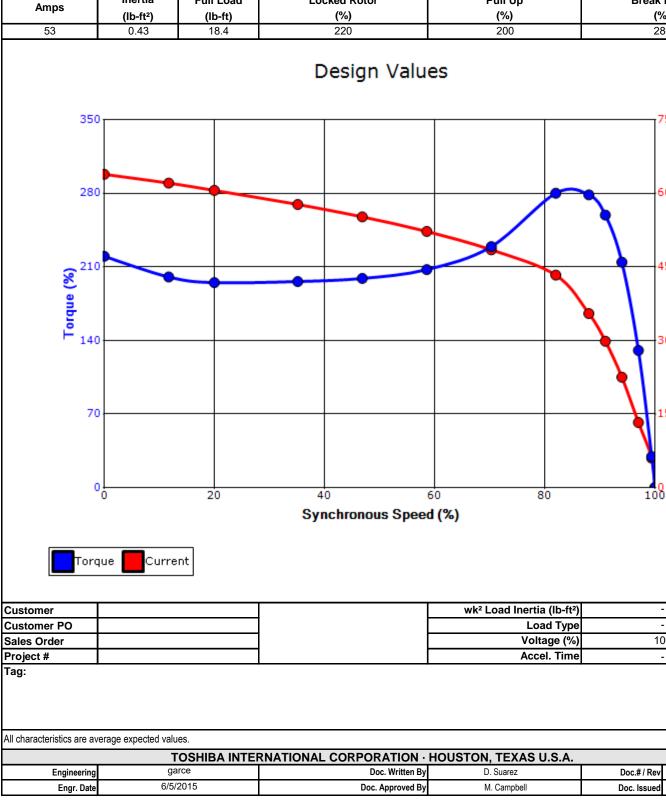
3.7

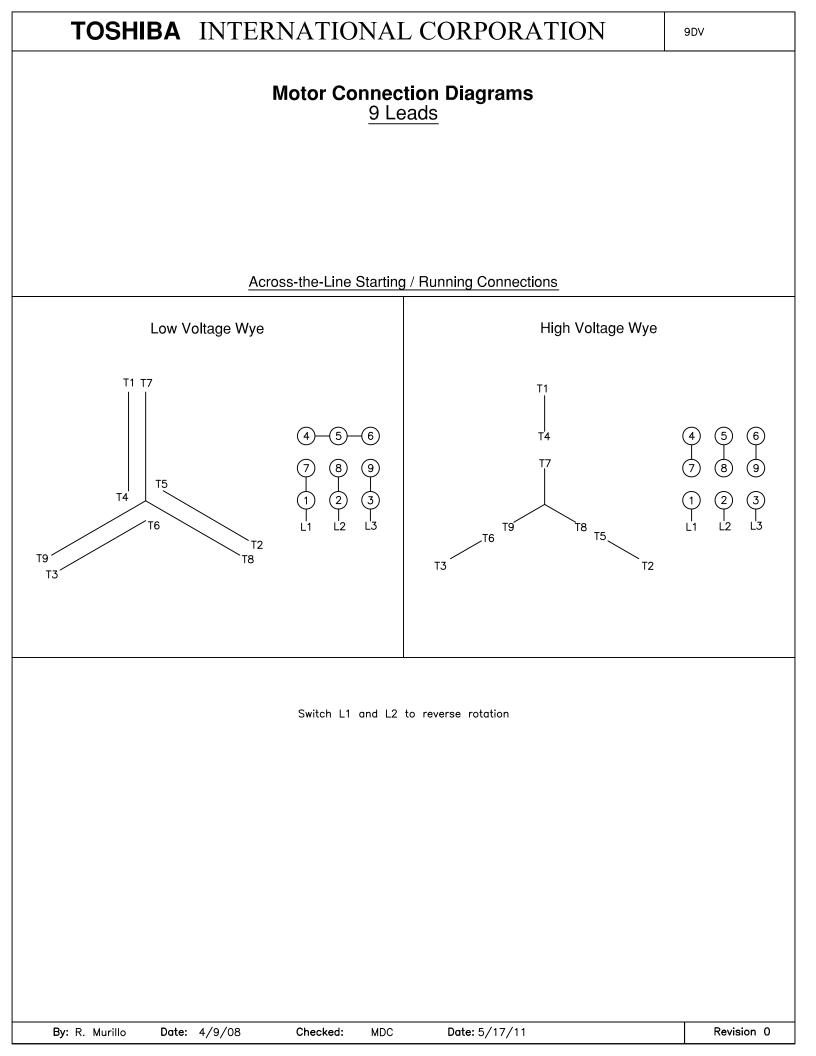
IP

55

Rotor wk²

Inertia





TOSHIBA	
Leading Innovation >>>	0.5.4

				Issued Date:	6/19/202	5	Transmit #:	
TOSH	IBA			Issued By:	dschoeck		Issued Rev:	
Leading Inn			SPARI	E PARTS LIST	r *			
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	
5	3.7	4	1750	184TC	230/460	60	3	
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	
TEFC	55	F	1.15	CONT	89.5	В		
Bearings DE	6306ZZC3 / 30	BC03JPP3OA						
Bearings NDE	6306ZZC3 / 30	BC03JPP3OA						
*Bearings are the onl	y recommended spa	are part(s).						

FL Amps 13.0/6.5

Ambient

(°C)

40 C

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:	Tag:										
All characteristics are average expected values.											
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Engineering		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						