



.eading	Innovation	>>>
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TYPICAL MOTOR PERFORMANCE DATA

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	184T	230/460	60	3	13.0/6.5
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient
TEFC	55	F	1.15	CONT	89.5	B		(° C) 40 C
ILFO			1.15	CONT	09.0	В		40.0
oad	HP	kW	Ampe	eres	Efficiency	v (%)	Power F	actor (%)
ull Load	5.00	3.7	6.		89.7			1.2
Load	3.75	2.8	5.	0	89.3		77	7.6
₂ Load	2.50	1.9	4.	0	87.6		69	9.1
Load	1.25	0.9	2.	8	81.7		51	1.1
o Load			2.					.9
ocked Rotor			40	6			46	3.0
	-	I	Torque					Rotor wk ²
Full Lo			d Rotor		ll Up		ak Down	Inertia
(lb-ft) 15.0			FLT) 55		FLT)	(%	% FLT) 370	(lb-ft ²) 0.50
Cold	Hot							
35	15	dB(A) @ 1M -	DI 63062		NDE 6306ZZ			04
Bearings are the only re Notor Options: Product Family:EQP	commended spar	-						-
Bearings are the only re Notor Options: Product Family:EQP	commended spar	-						-
Bearings are the only red lotor Options: Product Family:EQP Nounting:Footed,Sh	commended spar	-						-
learings are the only red lotor Options: roduct Family:EQP lounting:Footed,Sh	commended spar	-						-
learings are the only red lotor Options: roduct Family:EQP founting:Footed,Sh ustomer ustomer PO	commended spar	-						-
earings are the only red otor Options: roduct Family:EQP lounting:Footed,Sh ustomer ustomer PO ales Order	commended spar	-						-
Bearings are the only red Totor Options: Troduct Family:EQP Mounting:Footed,Sh Ustomer ustomer PO ales Order roject #	commended spar	-						-
earings are the only red fotor Options: froduct Family:EQP founting:Footed,Sh ustomer ustomer PO ales Order roject # ag:	commended spar	e part(s).	63062	ZZC3	6306ZZ	C3		-
earings are the only red otor Options: Product Family:EQP Nounting:Footed,Sh ustomer ustomer PO ales Order roject # ag:	commended spar	e part(s).	63062	RPORATION ·	6306ZZ	C3		
35 Bearings are the only red Motor Options: Product Family:EQP Mounting:Footed,Sh Mounting:Footed,Sh Customer PO Sales Order Project # Fag: All characteristics are ave Engineering Engr. Date	commended spar	e part(s).	63062	ZZC3	6306ZZ	C3		04



Leading Innovation >>>

TYPICAL MOTOR PERFORMANCE DATA

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Model:	0054SDSR41	A-P						
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
5	3.7	4	1430	184T	190/380	50	3	16.6/8.3
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.0	CONT	86.5	B		40 C
oad	HP	kW	Ampe	eres	Efficiency	/ (%)	Power F	actor (%)
ull Load	5.00	3.7	8.		86.4			9.0
Load	3.75	2.8	6.	5	87.7		74	1.6
Load	2.50	1.9	5.		87.1			4.7
Load	1.25	0.9	4.		81.1			3.3
lo Load		5.0	3.					.5
o Load ocked Rotor			3. 5					.5 3.3
			Torque					Rotor wk ²
Full Lo	ad	Locke	d Rotor	Ρι	ıll Up	Brea	ak Down	Inertia
(lb-ft)	(%	FLT)	(%	FLT)	(%	6 FLT)	(lb-ft²)
18.4			20		200	Ì	280	0.43
Cold	Hot	Pressure dB(A) @ 1M	D		NDE		Approx. Mo	os)
35	15		DE 63062	E	-		(Ik	_
35 Bearings are the only re Notor Options: Product Family:EQF	15 commended spare	dB(A) @ 1M -		E	NDE		(Ik	os)
35 Bearings are the only re Motor Options: Product Family:EQF Mounting:Footed,Sh	15 commended spare	dB(A) @ 1M -		E	NDE		(Ik	os)
35 Bearings are the only re Iotor Options: Product Family:EQF Jounting:Footed,Sh	15 commended spare	dB(A) @ 1M -		E	NDE		(Ik	os)
35 Bearings are the only re Iotor Options: Product Family:EQF Aounting:Footed,Sh Mounting:Footed,Sh	15 commended spare	dB(A) @ 1M -		E	NDE		(Ik	os)
35 Bearings are the only re Motor Options: Product Family:EQF Mounting:Footed,Sh	15 commended spare	dB(A) @ 1M -		E	NDE		(Ik	os)
35 Bearings are the only re Product Family:EQF Mounting:Footed,Sh Sustomer Sustomer PO Bales Order Project # Tag:	15 commended spare P Global SD haft:T Shaft	dB(A) @ 1M -		E	NDE		(Ik	os)
35 Bearings are the only re Product Family:EQF Aounting:Footed,Sh Sustomer Sustomer PO iales Order Project # ag:	15 P Global SD haft:T Shaft	dB(A) @ 1M -	63062	E 2ZC3	NDE 6306ZZ	C3	(os)
35 Bearings are the only re Notor Options: Product Family:EQF Mounting:Footed,Sh Mounting:Footed,Sh Customer Customer Customer PO Gales Order Project #	15 commended spare P Global SD haft:T Shaft	dB(A) @ 1M	63062	E 7ZC3	NDE 6306ZZ	C3	(Ik	os)



HP

5

Enclosure

TEFC

Locked Rotor

Amps

46

450

360

Model: 0054SDSR41A-P

kW

3.7 IP

55

Rotor wk²

Inertia

(lb-ft²)

0.50

		Issued Date	6/19/20	25	Transmit #	
		Issued By	dschoe	ck	Issued Rev	
S	PEED TORQ	UE/CURREN	T CURVE			
Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
4	1750	184T	230/460	60	3	13.0/6.5
Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
F	1.15	CONT	89.5	В		40 C
			Torque			
Full Load	Locked		Pull U	р	Break	
(lb-ft)	(%		(%)		(%	
15.0	25	5	240		37	U
		sign Value				00
					6	40 80 Current (%)

270					480
Lordue (%)		•			320 Current (%)
90					160
0	20	40	60	80	108
		Synchron	ous Speed (%)		
Torque	Current				
Customer			wk² l	_oad Inertia (Ib-ft ²)	-
Customer PO		4		Load Type	-
Sales Order		1		Voltage (%)	100
Project #				Accel. Time	-
Tag:					
All characteristics are average ex	pected values.				
	TOSHIBA INTE	RNATIONAL CORP	ORATION · HOUSTON	, TEXAS U.S.A.	
		1			

	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

Amps

53

350

280

(%) enbror 140

140

70

ᅆ

Model: 0054SDSR41A-P

kW

3.7 IP

55 Rotor wk²

Inertia

(lb-ft²)

0.43

		loound Data	6/19/202	25	Transmit #	
		Issued Date Issued By	dschoed		I ransmit # Issued Rev	
S	PEED TORQ	UE/CURREN	T CURVE			
Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
4	1430	184T	190/380	50	3	16.6/8.3
Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
F	1.0	CONT	86.5	В		40 C
	<u> </u>		Torque			.
Full Load	Locked		Pull Up	0	Break	
(lb-ft) 18.4	(% 22		(%) 200		(% 28	
						50
					A	00
					• • • • •	00
					4	00 Current (%
					4	⁵⁰ Current (%)

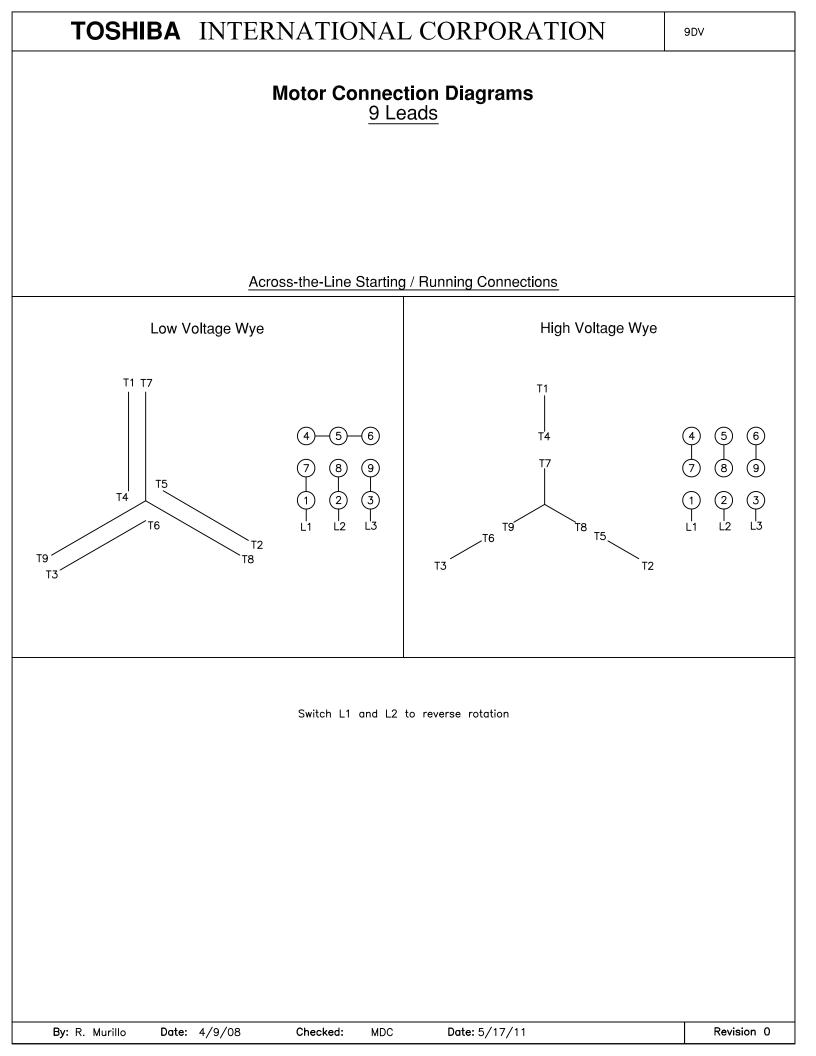
Torque Current

Customer		wk ² Load Inertia (Ib-ft ²)	-
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	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						



				Issued Date:	6/19/20	25	Transmit #:	
TOSH	IBA			Issued By:	dschoe	ck	Issued Rev:	
Leading Inr	0054SDSR41		SPARI	E PARTS LIS	Τ*			
incuci	. 00040001(41)							
НР	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
			FL RPM 1750	Frame 184T	Voltage 230/460	Hz 60	Phase 3	FL Amps 13.0/6.5
HP	kW	Pole						FL Amps 13.0/6.5 Ambient (°C)

*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.

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.

6306ZZC3 / 30BC03JPP3OA

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