



TYPICAL	MOTOR	PERFOR	MANCE [

Issued Date

Issued By

6/20/2025

dschoeck

Transmit #

Issued Rev

			CAL MOTOR					
Model:	0154SDSC414	A-P3						
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
15	11	4	1770	254T	575	60	3	16.1
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA	NEMA	kVA Code	Ambient
TEFC	55	F	1.15	CONT	Nom. Eff. 92.4	Design B		(° C) 40 C
		<u> </u>	1.10	00111	02.4			40.0
oad	HP	kW	Ampe	eres	Efficienc	v (%)	Power Fa	actor (%)
ull Load	15.00	11.2	16		92.5		75	
4 Load	11.25	8.4	12		91.6		71	
2 Load	7.50	5.6	10		89.2		62	
Load	3.75	2.8	6.		82.5		49	
	0.10	2.0	7.		02.0		4.	
o Load ocked Rotor		-	93				4.	
			Torque					Rotor wk ²
Full Lo			Rotor		III Up	_	ak Down	Inertia
(lb-fi 44.5		(%)	FLT) 35		FLT) 175	(%	6 FLT) 275	(lb-ft²) 2.32
Cold	Hot	Pressure dB(A) @ 1M	DE	E	NDE		(lb	s)
35	15	-	6309Z	ZZC3	6309ZZ	C3	28	39
Bearings are the only re Notor Options: Product Family:EQF	ecommended spare		63092	22C3	6309ZZ	2C3	28	39
Bearings are the only re Notor Options: Product Family:EQF Mounting:Footed,SF	ecommended spare		63092	22C3	6309ZZ	2C3	28	39
Bearings are the only re Product Family:EQF Mounting:Footed,Sf	ecommended spare		63092	22C3	6309ZZ	2C3	28	39
Bearings are the only re lotor Options: Product Family:EQF Nounting:Footed,Sf Nounting:Footed,Sf Sustomer Sustomer PO	ecommended spare		63092	22C3	6309ZZ	2C3	28	39
Bearings are the only re lotor Options: roduct Family:EQF lounting:Footed,Sf lounting:Footed lounting:F	ecommended spare		63092	22C3	6309ZZ	2C3	28	39
Bearings are the only re Totor Options: Product Family:EQF Aounting:Footed,Sf Aounting:Footed,Sf Sustomer Sustomer PO ales Order roject #	ecommended spare		63092	22C3	6309ZZ	2C3	28	39
Bearings are the only re Totor Options: Product Family:EQF Aounting:Footed,Sf Aounting:Footed,Sf Sustomer Sustomer PO Sales Order Project #	ecommended spare		63092	22C3	6309ZZ	2C3	28	39
Bearings are the only re Totor Options: Product Family:EQF Aounting:Footed,SF Aoun	ecommended spare	part(s).					28	39
Bearings are the only re Totor Options: Product Family:EQF Aounting:Footed,SF Aoun	ecommended spare	part(s).		RPORATION ·	HOUSTON, TE)	(AS U.S.A.	28	39
Bearings are the only re Notor Options: Product Family:EQF Mounting:Footed,SF	ecommended spare	part(s).				(AS U.S.A.		39



Model: 0154SDSC41A-P3

kW

11

IP

55

Rotor wk²

Inertia

(lb-ft²)

2.32

Pole

4

Ins. Class

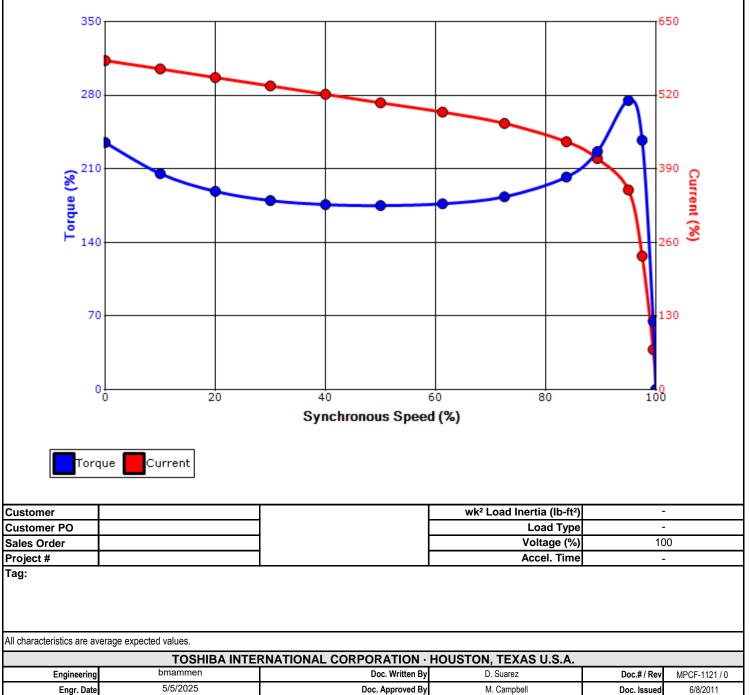
F

Full Load

(lb-ft)

44.5

1770 254T 575 60 3 16.1				0/00/2000			
FL RPM Frame Voltage Hz Phase FL Amps 1770 254T 575 60 3 16.1 S.F. Duty NEMA Nom. Eff. NEMA Design KVA Code Ambient (°C) 1.15 CONT 92.4 B 40 C Torque Locked Rotor Pull Up Break Down (%) (%) (%) (%) 235 175 275					-		
FL RPM Frame Voltage Hz Phase FL Amps 1770 254T 575 60 3 16.1 S.F. Duty NEMA Nom. Eff. NEMA Design KVA Code Ambient (°C) 1.15 CONT 92.4 B 40 C Torque Locked Rotor Pull Up Break Down (%) (%) (%) 275			Issued By	dschoec	k	Issued Rev	
1770 254T 575 60 3 16.1 S.F. Duty NEMA Nom. Eff. NEMA Design KVA Code (°C) Ambient (°C) 1.15 CONT 92.4 B 40 C Torque Locked Rotor Pull Up Break Down (%) (%) 235 175 275 Design Values Design Values Design Values	SI	PEED TORQ	UE/CURREN	IT CURVE			
1770 254T 575 60 3 16.1 S.F. Duty NEMA Nom. Eff. NEMA Design KVA Code (°C) Ambient (°C) 1.15 CONT 92.4 B 40 C Torque Locked Rotor Pull Up (%) Break Down (%) 235 175 275		FL RPM	Frame	Voltage	Hz	Phase	FL Amps
S.F. Duty Nom. Eff. Design kVA Code (°C) 1.15 CONT 92.4 B 40 C Torque Locked Rotor Pull Up Break Down (%) (%) (%) 235 175 275 Design Values Item Item	\neg	1770	254T	-	60	3	
Torque Locked Rotor Pull Up Break Down (%) (%) (%) 235 175 275	;	S.F.	Duty			kVA Code	Ambient (°C)
Locked Rotor Pull Up Break Down (%) (%) (%) 235 175 275 Design Values		1.15	CONT	92.4	В		40 C
(%) (%) (%) 235 175 275 Design Values				Torque			
235 175 275 Design Values		Locked	Rotor	Pull Up		Break	Down
Design Values							
		23	5	175		27	75
		Des	ign Valu	es			
							50



HP

15

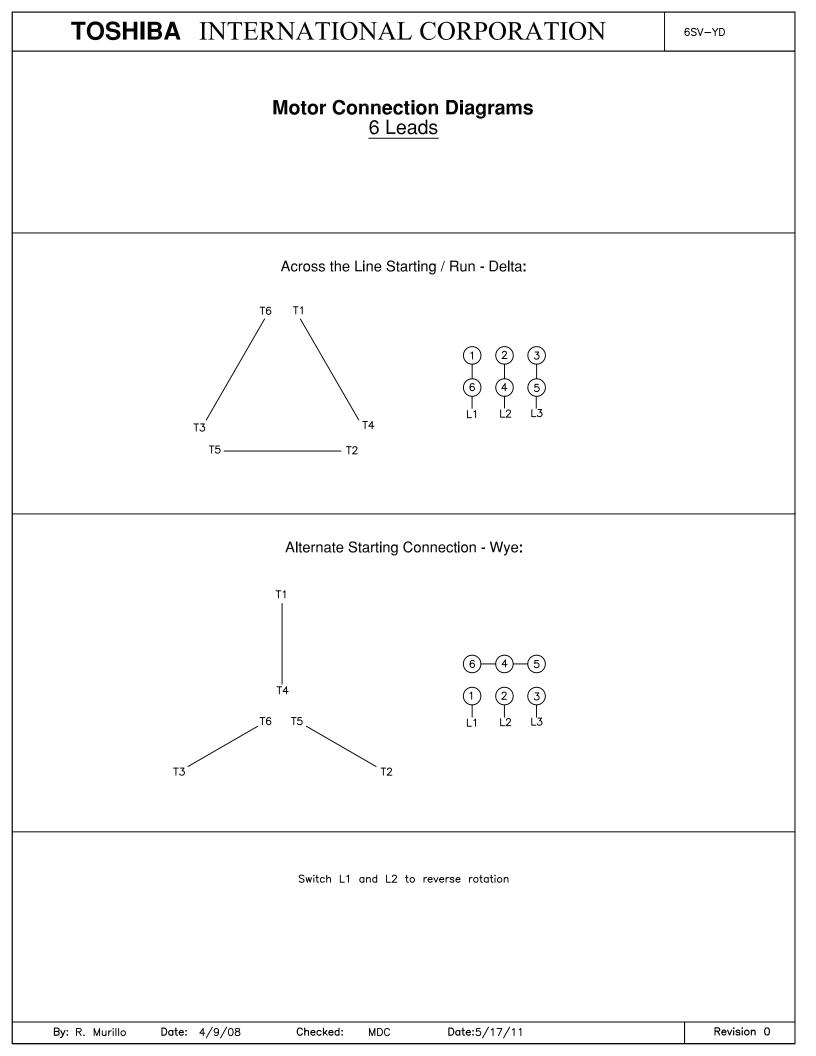
Enclosure

TEFC

Locked Rotor

Amps

93



				Issued Date:	6/20/20)25	Transmit #:	
TOSHIBA				Issued By:	dschoe	eck	Issued Rev:	
	novation >>>	•	SPAR	E PARTS LIS	Γ*			
Model	: 0154SDSC41	A-P3						
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
15	11	4	1770	254T	575	60	3	16.1
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.15	CONT	92.4	В		40 C
	•							
Bearings DE	6309ZZC3 / 4	15BC03JPP3OX						
Bearings NDE	6309ZZC3 / 4	I5BC03JPP3OX						

*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 average expected values.									
All characteristics are av										
TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.										
Engineering	bmammen	Doc. Written By	D. Suarez	Doc.#/Rev	MPCF-1125 / 0					
Engr. Date	5/5/2025	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011					