



TYPICAL MOTOR	PERFORMANCE DATA

Issued Date

Issued By

6/20/2025

dschoeck

Transmit #

Issued Rev

	1 1.14			_			D		
HP 1.50	kW 1.1	Pole 4	FL RPM 1760	Frame 145T	Voltage 230/460	Hz 60	Phase 3	FL Amps 4.6/2.3	
1.50				1451	230/480 NEMA	NEMA	-	Ambient	
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Design	kVA Code	(°C)	
TEFC	55	F	1.15	CONT	86.5	В		40 C	
bad	HP	kW	Ampe		Efficienc		Power Fa		
III Load	1.50	1.1	2.		86.9		69		
Load	1.13	0.8	2.		85.5		61		
Load	0.75	0.6	1.		82.6		53		
Load	0.38	0.3	1.		77.6		41		
o Load			1.				7.		
ocked Rotor			19	.6			54	.0	
Full L (Ib- 4.4	ft)	Locked (% F	LT)	(%	ull Up 6 FLT) 245		ak Down % FLT) 375	Inertia (Ib-ft²) 0.13	
Safe Stall		Sound Pressure		Bearir	ngs*		Approx. Mo	otor Weight	
Cold	Hot	dB(A) @ 1M	DE	E	NDE		(Ib	s)	
Cold 31 Bearings are the only i	26	dB(A) @ 1M -	DI 63052		NDE 6305ZZ		-	s) 5	
31 learings are the only i	26 recommended spar	dB(A) @ 1M -					-	-	
31 earings are the only i otor Options: lounting:Footed,S	26 recommended spar	dB(A) @ 1M -					-	-	
31 earings are the only i otor Options: lounting:Footed,S	26 recommended spar	dB(A) @ 1M -					-	-	
31 earings are the only i otor Options: lounting:Footed,S ustomer ustomer ustomer PO ales Order	26 recommended spar	dB(A) @ 1M -					-	-	
31 earings are the only i otor Options: ounting:Footed,S ustomer ustomer PO ales Order oject #	26 recommended spar	dB(A) @ 1M -					-	-	
31 earings are the only i otor Options: ounting:Footed,S ustomer ustomer PO ales Order oject #	26 recommended spar	dB(A) @ 1M -					-	-	
31 earings are the only of otor Options: ounting:Footed,S ustomer ustomer PO ales Order roject # ag:	26 recommended spar	dB(A) @ 1M -					-	-	
31 otor Options: lounting:Footed,S ustomer ustomer PO ales Order roject # ag:	26 recommended spar	dB(A) @ 1M -	63052	rzc3	6305ZZ	² C3	-	-	
31	26 recommended spare shaft:T Shaft verage expected v	dB(A) @ 1M - re part(s).	63052	22C3	6305ZZ	(AS U.S.A.	-	-	



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HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
1.50	1.1	4	1450	145T	190/380	50	3	5.0/2.5
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.0	CONT	84.5	-		40 C
oad	HP	kW	Amp		Efficiency	y (%)	Power Fa	
ull Load	1.50	1.1	2.		85.4		78	
4 Load	1.13	0.8	2.		85.5		71	
2 Load	0.75	0.6	1.		83.0		59	
4 Load	0.38	0.3	1.		75.7		44	
lo Load .ocked Rotor			1. 17				7.	.5 5.2
			T					Rotor wk
Full L	oad	Locked	Torque		ıll Up	Bro	ak Down	Rotor wk Inertia
(lb-f		(% F			FLT)		% FLT)	(lb-ft ²)
5.4	-	23	,	-	165		295	0.13
Cold	Hot	dB(A) @ 1M	Bearings* Approx DE NDE		(lb	(lbs)		
37 Bearings are the only r	29 ecommended spar	- e part(s).	63052		6305ZZ		-	5
Bearings are the only r	ecommended spar		63052				-	-
Bearings are the only r Motor Options: Mounting:Footed,S Customer Customer PO	ecommended spar		63052				-	-
Bearings are the only re Motor Options: Mounting:Footed,S Customer Customer PO Sales Order	ecommended spar		63052				-	-
Bearings are the only re Notor Options: Mounting:Footed,S Customer Sustomer PO Sales Order Project #	ecommended spar		63052				-	-
Bearings are the only re lotor Options: Nounting:Footed,S ustomer ustomer PO ales Order roject # ag:	ecommended span	e part(s).		72C3	6305ZZ	C3	-	-
Bearings are the only re Nounting:Footed,S Nounting:Footed,S Sales Order Project # Tag: Il characteristics are av	ecommended span	e part(s).		ZZC3	6305ZZ	C3	5	
Bearings are the only r Motor Options: Mounting:Footed,S	ecommended span haft:T Shaft	e part(s).		72C3	6305ZZ	C3	-	-



HP

1.50

Enclosure

TEFC

Locked Rotor

Amps

19.6

SPEED TORQUE/CURRENT CURRENT offer Y1550SR41A-P3 The IP Pole FLRPM Trame Voltage Hz Phase KA Code And the IP Ins. Class S.F. Duty NemA NEMA KVA Code And tor Rotor wk? FLIL Load Locked Rotor V(%) (%) (%) (%) tor Rotor wk? (%) (%) (%) (%) (%) (%) tor Rotor wk? (%) (%) (%) (%) (%) (%) (%) (%) (%) (%)	<u> </u>				Issued Date	6/20/202		Transmit #	
bergen for the field of the fie		IBA			Issued By	dschoed	ck	Issued Rev	
1.1 4 1760 145T 230/460 60 3 4 re IP Ins. Class S.F. Duty NEMA NEMA<					UE/CURREN	T CURVE			
re IP Ins. Class S.F. Duty NEMA Nom. Eff. Design KVA Code An Design Values Break Down (kb-rt)		kW	Pole		Frame		Hz	Phase	FL Amps
e IP Ins. Lites S.F. Dury Non. Eff. Design KVA Code 100 65 F 1.16 CONT 86.5 B Image: control of the second seco		1.1	4	1760	145T	230/460		3	4.6/2.3
Nor Rotor wk ² Inertia (Ib-ft) 0.13 Hall Load (Ib-ft) 1.02 Ketor wk ² 0.13 Hall Load (Ib-ft) 4.48 S30 Design Values	ire					Nom. Eff.	Design	kVA Code	Ambient (°C)
Inertia Full Load Locked Rotor Pull Up Break Down (Ib-ft) (Ib-ft) (Yo) (Yo) (Yo) (Yo) 0.13 4.48 330 245 375 Design Values			F	1.15	CONT		В		40 C
Interta Pull (b-h) Cokee Rotor Pull (b) Break Down 0.13 4.48 330 245 375 Design Values 450 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 Design Values 450 0 0 0 0 0 0 0 0 0 0 Output to the pulk of the pulk	otor			<u> </u>					_
0.13 4.48 330 245 375 Design Values						-	0		
Design Values									
90 90 90 90 90 90 90 90 90 90									
Synchronous Speed (%) Torque Current wk² Load Inertia (Ib-ft²) -	(%) anb			-	•			s	70 Current
Synchronous Speed (%) Torque Current wk² Load Inertia (Ib-ft²) -								3	Current (%)
wk² Load Inertia (Ib-ft²) -	90)	20	40			80	3	80 90
	90)	20				80	3	80 SO
	90)					80	3	80 90
D Load Type -	90)				(%)			80 Solution State
Voltage (%) 100	90)				(%)		100	90

Accel. Time

-

Tag:

Customer Customer PO

Sales Order

Project #

All characteristics are average expected values.

TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.									
Engineering	bmammen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0				
Engr. Date	6/17/2025	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011				



HP

1.50

Enclosure

TEFC

Locked Rotor

Amps

17.4

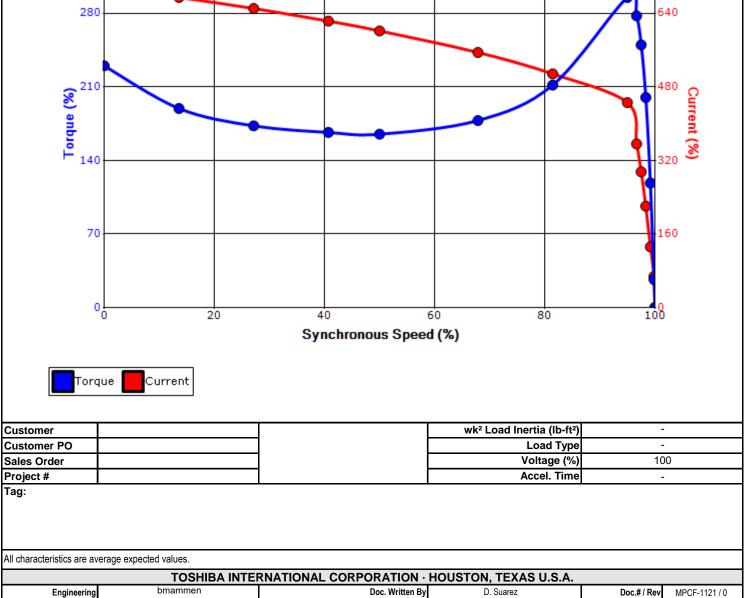
350

					-		
		Issued Date	6/20/20	-	Transmit #		
		Issued By	dschoe	ck	Issued Rev		
SF	PEED TORQ	UE/CURREN	IT CURVE				
	FL RPM	Frame	Voltage	Hz	Phase	FL Amps	
	1450	145T	190/380	50	3	5.0/2.5	
	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)	
	1.0	CONT	84.5	-		40 C	
			Torque				
	Locked		Pull U	р	Break		
	(%	-	(%)		(%	-	
	23	0	165		295		
	Des	sign Value	es			00	
•	-					40	
						80	

M. Campbell

6/8/2011

Doc. Issued



Doc. Approved By

Model: Y154SDSR41A-P3

kW

1.1

IP

55

Rotor wk²

Inertia

(lb-ft²)

0.13

Pole

4

Ins. Class

F

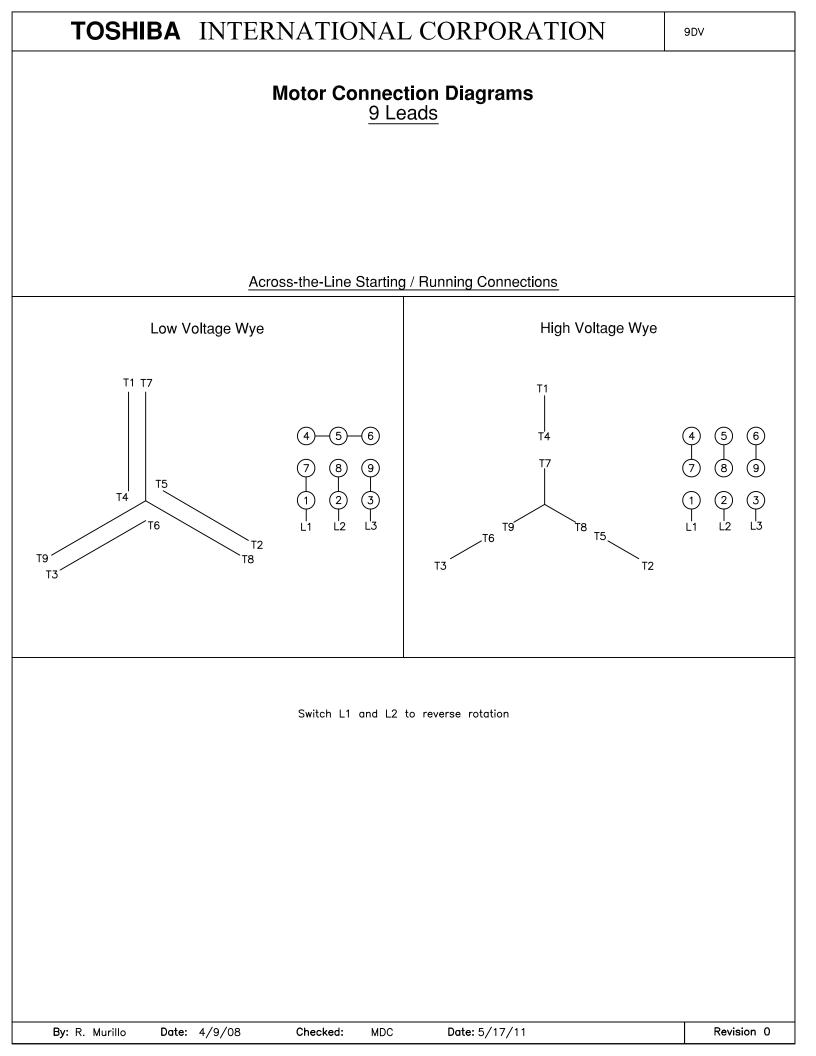
Full Load

(lb-ft)

5.44

6/17/2025

Engr. Date



				Issued Date:	6/20/20)25	Transmit #:	
TOSHIBA			Issued By:	dschoe	eck	Issued Rev:		
Leading In	novation >>>		SPAR	E PARTS LIS	T*			
HP	: Y154SDSR41	A-P3	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
1.50	1.1	4	1760	145T	230/460	60	3	4.6/2.3
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.15	CONT	86.5	В		40 C
	-							
earings DE	6305ZZC3 / 2	5BC03JPP3OA						
Bearings NDE	6305ZZC3 / 2	5BC03JPP3OA						

*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	erage expected values.								
TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.									
Engineering	bmammen	Doc. Written By	D. Suarez	Doc.#/Rev	MPCF-1125 / 0				
Engr. Date	6/17/2025	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011				