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## TYPICAL MOTOR PERFORMANCE DATA

Issued Date

Issued By

6/19/2025

dschoeck

Transmit #

**Issued Rev** 

		<u> </u>		_				
<b>HP</b> 2	<b>kW</b> 1.5	Pole 4	FL RPM 1750	Frame 145T	Voltage 230/460	<b>Hz</b> 60	Phase 3	FL Amps 5.6/2.8
∠ Enclosure	1.5 IP	4 Ins. Class	S.F.	Duty	NEMA	NEMA	ہ kVA Code	Ambient
				-	Nom. Eff.	Design		(°C)
TEFC	55	F	1.15	CONT	86.5	В		40 C
oad	HP	kW	Ampe	eres	Efficiency	y (%)	Power Fa	actor (%)
ull Load	2.00	1.5	2.	8	87.1		75	5.8
Load	1.50	1.1	2.		86.8			9.8
2 Load	1.00	0.7	1.		84.4			3.4
4 Load	0.50	0.4	1.		77.4			4.6
lo Load			11					.9
ocked Rotor			2:	2			53	3.7
			Tannu					Defended
Full La	ad	Looko	Torque d Rotor		ıll Up	Bro	ak Down	Rotor wk <sup>2</sup> Inertia
Full Lo (lb-ft			a Rotor FLT)		лгор 5 FLT)		ак Down 6 FLT)	
(ID-II) 00.6			70		205	()	335	(lb-ft²) 0.15
32	27	-	63052	ZZC3	6305ZZ	C3	5	58
			63052	ZZC3	6305ZZ	C3	5	58
Bearings are the only re Motor Options: Product Family:EQF Mounting:Footed,Sh	commended spar		63052	72C3	6305ZZ	СЗ	5	58
Bearings are the only re <b>Notor Options:</b> Product Family:EQF	commended spar		63052	22C3	6305ZZ	C3	5	58
Bearings are the only re <b>Notor Options:</b> Product Family:EQF	commended spar		63052	22C3	6305ZZ	C3	5	58
Bearings are the only re Iotor Options: Product Family:EQF	commended spar		63052	72C3	6305ZZ	C3	5	58
Bearings are the only re Product Family:EQF Nounting:Footed,Sr	commended spar		63052	22C3	6305ZZ	C3	5	58
Bearings are the only re Totor Options: Product Family:EQF Nounting:Footed,Sh Sustomer Sustomer PO	commended spar		63052	22C3	6305ZZ	C3	5	58
iearings are the only re lotor Options: roduct Family:EQF lounting:Footed,Sh ustomer ustomer PO ales Order	commended spar		63052	22C3	6305ZZ	C3	5	58
Bearings are the only re lotor Options: roduct Family:EQF lounting:Footed,Sh ustomer ustomer PO ales Order roject #	commended spar		63052	22C3	6305ZZ	C3	5	58
Bearings are the only re Totor Options: Product Family:EQF Aounting:Footed,Sh Sustomer Sustomer PO ales Order roject #	commended spar		63052	22C3	6305ZZ	C3	5	58
ustomer ustomer PO ales Order roject # ag:	commended spar	e part(s).					5	58
Bearings are the only re Totor Options: Product Family:EQF Aounting:Footed,Sh Sustomer Sustomer PO Sales Order roject # ag: Il characteristics are ave	ecommended spar	e part(s).		RPORATION ·	HOUSTON, TEX			
Bearings are the only re <b>Notor Options:</b> Product Family:EQF	ecommended spar	e part(s).			HOUSTON, TEX	AS U.S.A.	5 Doc.# / Rev	MPCF-1119/0



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				_				
<b>HP</b> 2	<b>kW</b> 1.5	Pole 4	<b>FL RPM</b> 1430	Frame 145T	Voltage 190/380	<b>Hz</b> 50	Phase 3	FL Amps 6.6/3.3
2 Enclosure	IP	4 Ins. Class	<b>S.F.</b>	Duty	NEMA	NEMA	kVA Code	Ambient
				-	Nom. Eff.	Design		(°C)
TEFC	55	F	1.0	CONT	83.5	-		40 C
oad	HP	kW	Amp	eres	Efficienc	y (%)	Power Fa	actor (%)
ull Load	2.00	1.5	3.		83.7			2.7
Load	1.50	1.1	2.		85.2			3.2
2 Load	1.00	0.7	1.		84.3			3.1
Load	0.50	0.4	1.		79.4			5.0
lo Load			1. 3					.5 1.4
ocked Rotor	_			•			, , , , , , , , , , , , , , , , , , , ,	
		1	Torque					Rotor wk <sup>2</sup>
Full Lo			d Rotor		ull Up		ak Down	Inertia
(lb-ft 7.35			FLT) 15		5 FLT) 165	(%	% FLT) 235	(lb-ft²) 0.15
32	22	dB(A) @ 1M	DI 63057		NDE 630577			58)
32	22	-	63052		6305ZZ			58
Bearings are the only re Motor Options: Product Family:EQF	ecommended spar	-						-
32 Bearings are the only re <b>Motor Options:</b> Product Family:EQF Mounting:Footed,Sh	ecommended spar	-						-
Bearings are the only re <b>Iotor Options:</b> Product Family:EQF	ecommended spar	-						-
Bearings are the only re Product Family:EQF Nounting:Footed,Sh	ecommended spar	-						-
Bearings are the only re lotor Options: Product Family:EQF Nounting:Footed,Sh Sustomer Sustomer PO	ecommended spar	-						-
Bearings are the only re lotor Options: roduct Family:EQF lounting:Footed,Sh ustomer ustomer ales Order	ecommended spar	-						-
iearings are the only re roduct Family:EQF founting:Footed,Sh ustomer ustomer PO ales Order roject #	ecommended spar	-						-
Bearings are the only re lotor Options: roduct Family:EQF lounting:Footed,Sh sustomer sustomer PO ales Order roject #	ecommended spar	-						-
ustomer ustomer PO ales Order roject # ag:	ecommended span	e part(s).	63052	22C3	6305ZZ	C3		-
Bearings are the only re roduct Family:EQF founting:Footed,Sh ustomer ustomer PO ales Order roject # ag: I characteristics are av	ecommended span	e part(s).	63052	RPORATION ·	6305ZZ	C3	5	
Bearings are the only re <b>Notor Options:</b> Product Family:EQF	ecommended span	e part(s).	63052	22C3	6305ZZ HOUSTON, TEX	C3		-



Model: 0024SDSR41A-P

kW

1.5

IP

55

Rotor wk<sup>2</sup>

Inertia

(lb-ft<sup>2</sup>)

0.15

SPEED

Pole

4

Ins. Class

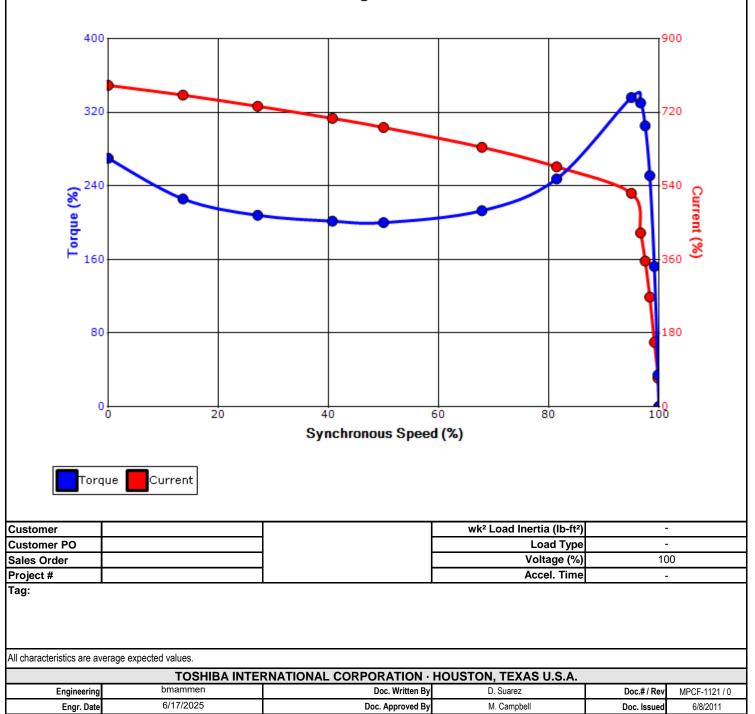
F

Full Load

(lb-ft)

6.00

Phase FL Amps   3 5.6/2.8
0 0.0/2.0
A kVA Code Ambient (°C)
40 C
Break Down
(%)
335



Leading Innovation >>>

HP

2

Enclosure

TEFC

Locked Rotor

Amps

22



HP

2

Enclosure

TEFC

Locked Rotor

Amps

34

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SH	IBA			Issued By	dschoe	ck	Issued Rev	
g Inno	0024SDSR41A		PEED TORQ	UE/CURREN	IT CURVE			
	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
	1.5	4	1430	145T	190/380	50	3	6.6/3.3
ire	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
	55	F	1.0	CONT	83.5	-		40 C
otor	Rotor wk <sup>2</sup>				Torque			
	Inertia	Full Load	Locked		Pull U	D	Break	
	(lb-ft²) 0.15	(lb-ft) 7.35	<b>(%</b> 21		<b>(%)</b> 165		<b>(%</b> 23	
			Des	ign Value	es			
300	)						7	00
240								60
(%) 180							4	20 <mark>2</mark>
e				-			<b>\</b>	Current (%)
5								nt (%
120	)						2	80 🛎
							•	
60	)						1	40
							1	
							1	
0	0	20	40	6	50	80	100	
			Synchi	ronous Speed	i (%)			
Torq	que <mark>Curre</mark>	nt						
		[		[	wk <sup>2</sup> Load I	nertia (Ib-ft²)	-	
0						Load Type	-	
						Valtage (%)	10	<u> </u>

-100

-

Voltage (%)

Accel. Time

Tag:
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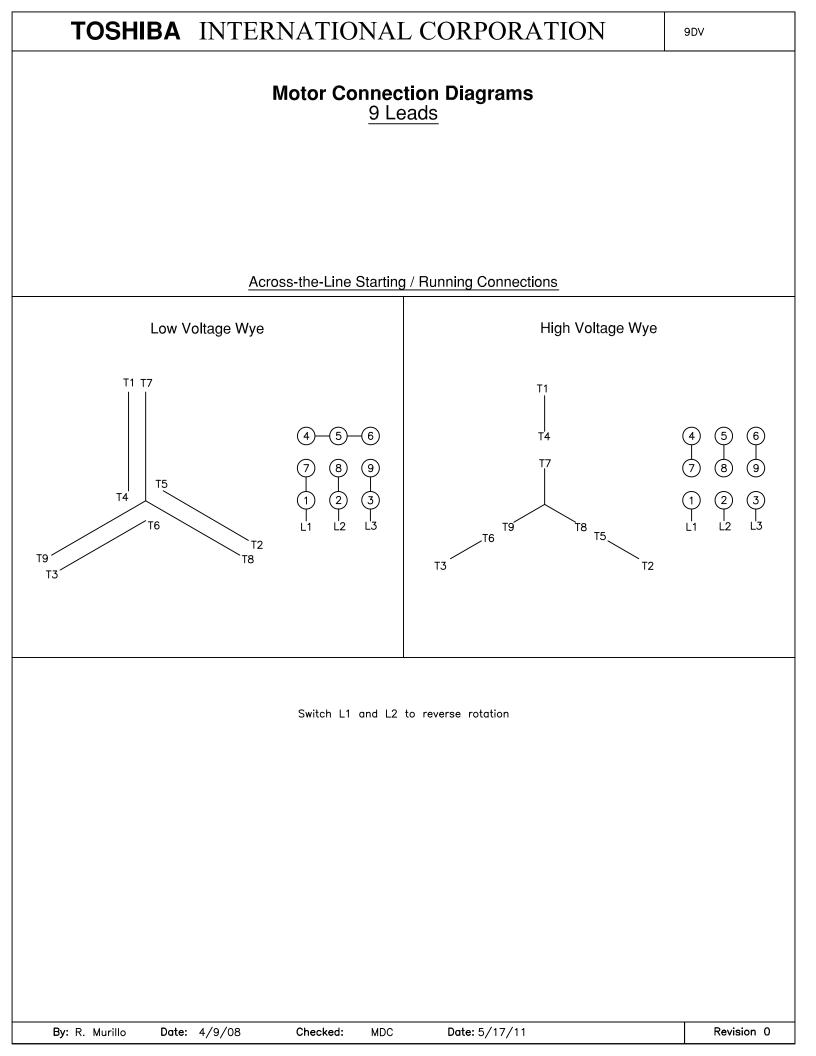
Customer Customer PO

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			



				Issued Date:	6/19/20	)25	Transmit #:	
TOSH	IIBA			Issued By:	dschoe	eck	Issued Rev:	
	novation >>>	•	SPAR	E PARTS LIS	T*			
Model	: 0024SDSR41	A-P						
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
2	1.5	4	1750	145T	230/460	60	3	5.6/2.8
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
Bearings DE	6305ZZC3 / 2	25BC03JPP3OA						
Bearings NDE	6305ZZC3 / 2	25BC03JPP3OA						

\*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					
	TOSHIBA INTE	RNATIONAL CORPORATION · H	HOUSTON, TEXAS U.S.A.		
Engineering		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