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## TYPICAL MOTOR PERFORMANCE DATA

Issued Date

Issued By

6/20/2025

dschoeck

Transmit #

**Issued Rev** 

ЦВ	L-)A/	Dele		Fromo	Valtaga	- LI-	Dhasa	
<b>HP</b> 2	<b>kW</b> 1.5	Pole 4	FL RPM 1750	Frame 145JP	Voltage 230/460	<b>Hz</b> 60	Phase 3	FL Amps 5.6/2.8
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA	NEMA	kVA Code	Ambient
7550			4.45	-	Nom. Eff.	Design		(°C)
TEFC	55	F	1.15	CONT	86.5	В		40 C
bad	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	2.3		86.8			9.8
Load	1.00	0.7	1.1		84.4			3.4
Load	0.50	0.4	1.3		77.4			1.6
o Load		_	11					.9 3.7
ocked Rotor								
		1	Torque					Rotor wk
Full L		Locked			III Up		ak Down	Inertia
(lb-1) 6.0	-	(% F	F <b>LT)</b> 70		205	(%	% FLT) 335	(lb-ft²) 0.15
Cold	Hot	Pressure dB(A) @ 1M	DE	Bearin	-		Approx. Mo	-
32 Bearings are the only r	27	dB(A) @ 1M -	DE 63052	E	6305ZZ		(Ib	-
32 learings are the only r	27 ecommended spar	dB(A) @ 1M -		E	NDE		(Ib	os)
32 earings are the only r otor Options: founting:Footed,S	27 ecommended spar	dB(A) @ 1M -		E	NDE		(Ib	os)
32 earings are the only r otor Options: founting:Footed,S ustomer ustomer PO	27 ecommended spar	dB(A) @ 1M -		E	NDE		(Ib	os)
32 earings are the only r otor Options: lounting:Footed,S ustomer ustomer PO ales Order	27 ecommended spar	dB(A) @ 1M -		E	NDE		(Ib	os)
32 earings are the only r otor Options: ounting:Footed,S ustomer ustomer PO ales Order oject #	27 ecommended spar	dB(A) @ 1M -		E	NDE		(Ib	os)
32 earings are the only r otor Options: ounting:Footed,S ustomer ustomer PO ales Order roject #	27 ecommended spar haft:JP Shaft	dB(A) @ 1M -		E	NDE		(Ib	os)
32 earings are the only r otor Options: lounting:Footed,S ustomer ustomer PO ales Order roject # ag:	27 ecommended spar haft:JP Shaft	dB(A) @ 1M -	63052	E ////////////////////////////////////	NDE 6305ZZ	C3	(Ib	os)
32	27 recommended spar haft:JP Shaft	dB(A) @ 1M -	63052	E ////////////////////////////////////	NDE 6305ZZ	C3	(Ib	os)



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HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
2	1.5	4	1430	145JP	190/380	50	3	6.6/3.3
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA	kVA Code	Ambient
TEFC	55	F	1.0	CONT	83.5	Design		(° <b>C)</b> 40 C
TEFC			1.0	CONT	00.0	-		40 C
oad	HP	kW	Ampe	eres	Efficiency	y (%)	Power F	actor (%)
ull Load	2.00	1.5	3.		83.7			2.7
Load	1.50	1.1	2.	5	85.2		78	3.2
2 Load	1.00	0.7	1.	9	84.3			3.1
Load	0.50	0.4	1.	3	79.4		55	5.0
lo Load			1.					.5
ocked Rotor			34	4			7′	1.4
Evil La	I	Laska	Torque			Dra	ale Davum	Rotor wk <sup>2</sup>
Full Lo (lb-ft)			d Rotor FLT)		ll Up FLT)		ak Down ⁄⁄6 FLT)	Inertia
7.35			15		165	(7	235	(lb-ft²) 0.15
Cold	Hot	dB(A) @ 1M	DI		NDE			os)
32	22	-	DI 63052		NDE 6305ZZ			58
32 Bearings are the only re-	22 commended spare	-						
	22 commended spare	-						
32 Bearings are the only read Motor Options: Mounting:Footed,Sh	22 commended spare	-						
32 Bearings are the only red Iotor Options: Nounting:Footed,Sh Sustomer Sustomer Alustomer PO ales Order roject #	22 commended spare	-						
32 Bearings are the only red Iotor Options: Nounting:Footed,Sh Nounting:Footed,Sh Sustomer Sustomer Sustomer PO ales Order Troject #	22 commended spare	-						
32 Bearings are the only re- lotor Options: Nounting:Footed,Sh ustomer ustomer PO ales Order roject # ag:	22 commended spare							
32 Bearings are the only re- lotor Options: Nounting:Footed,Sh ustomer ustomer PO ales Order roject # ag:	22 commended spare haft:JP Shaft		63052	rzc3	6305ZZ	C3		
32 Bearings are the only re- <b>Motor Options:</b> Mounting:Footed,Sh	22 commended spare haft:JP Shaft	e part(s).	63052	22C3	6305ZZ	C3		58



HP

2

Enclosure

TEFC

Locked Rotor

Amps

22

400

320

(%) anbio 160

80

ᅆ

Torque

Model: 0024SDJR41P-P

kW

1.5

IP

55

Rotor wk<sup>2</sup>

Inertia

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

0.15

		Issued Date	6/20/20	25	Transmit #	
		Issued By	dschoe	ck	Issued Rev	
S	PEED TORC	UE/CURREN	T CURVE			
Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
4	1750	145JP	230/460	60	3	5.6/2.8
Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
F	1.15	CONT	86.5	В		40 C
		· · ·	Torque	•		
Full Load	Locked	d Rotor	Pull U	р	Break	Down
(lb-ft)	(%	%)	(%)		(%	6)
6.00		70	205		33	
					7	20
					5	40
						Current (%
					3	nt (%)
					Ĩ	
						80
						00
					4	

108

80

Current

20

Customer	wk <sup>2</sup> Load Inertia (Ib-ft <sup>2</sup> )	-
Customer PO	Load Type	-
Sales Order	Voltage (%)	100
Project #	Accel. Time	-

Synchronous Speed (%)

60

40

Tag:

All characteristics are average expected values.

	8 1								
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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

2

Enclosure TEFC

Locked Rotor

Amps

34

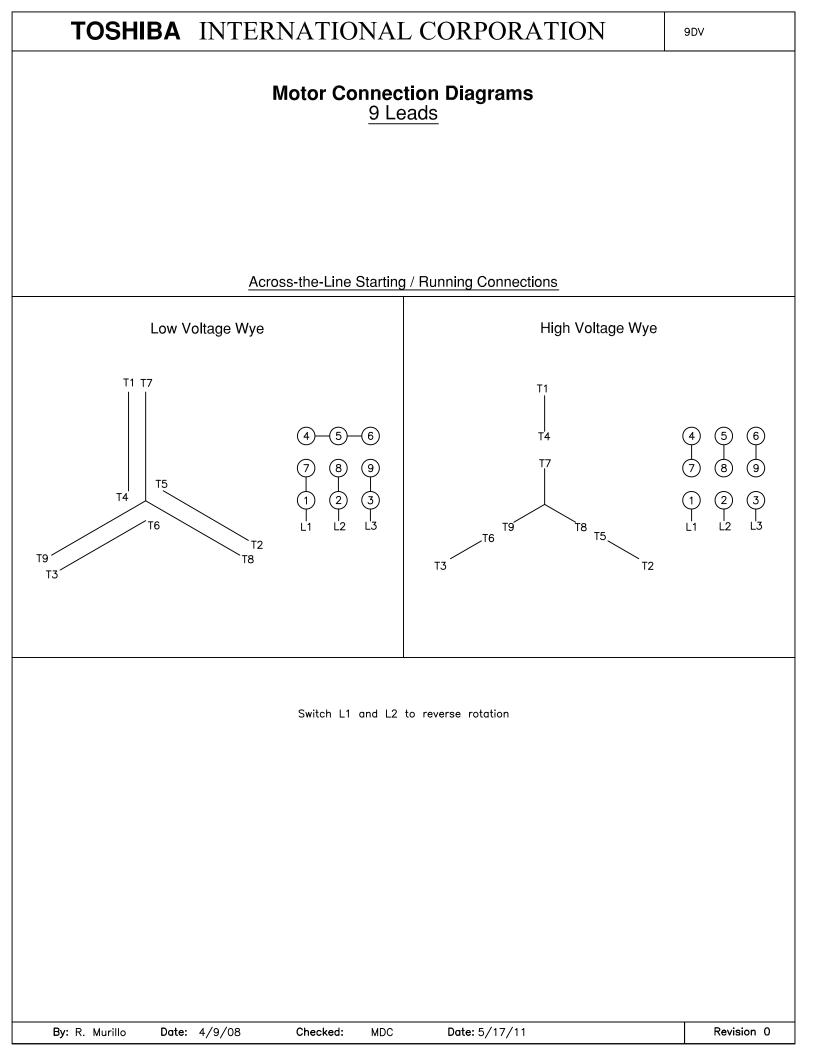
				Issued Date	6/20/20		Transmit #	
5 H I	IBA			Issued By	dschoe	ck	Issued Rev	
	ovation >>>							
		S	PEED TORQ	UE/CURREN	T CURVE			
lodel:	0024SDJR41P-	P						
	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
	1.5	4	1430	145JP	190/380	50	3	6.6/3.3
ıre	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
	55	F	1.0	CONT	83.5	-		40 C
	Rotor wk <sup>2</sup>				Torque	-		
otor	Inertia	Full Load	Locked	Rotor	Pull U	р	Break	Down
;	(lb-ft <sup>2</sup> )	(lb-ft)	(%	b)	(%)		(%	)
	0.15	7.35	21		165		23	
240				-				<sup>20</sup> 0
(%) anbio 180	)						2	Current (%)
60							1	40
				-				
0	U	20	40	6		80	100	
C			0	0 J	(0/)			
C			Synch	ronous Speed	(%)			
C			Synch	ronous Speea	(%)			
Tora	que <mark>P</mark> Curre		Synch	ronous Speea	(%)			

Customer	wk <sup>2</sup> Load Inertia (lb-ft <sup>2</sup> )	-
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	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				



## TOSHIBA Leading Innovation >>>

SPAR	Issued Date: Issued By: E PARTS LIS	dschoe		Transmit #: Issued Rev:	
		-			
FL RPM	Frame	Voltage	Hz	Phase	FL Amps
<b>FL RPM</b> 1750	Frame 145JP	<b>Voltage</b> 230/460	<b>Hz</b> 60	Phase 3	<b>FL Amps</b> 5.6/2.8

В

40 C

86.5

Model: 0024SDJR41P-P

kW

1.5

HP

2

Bearings NDE

 Enclosure
 IP
 Ins. Class
 S.F.

 TEFC
 55
 F
 1.15

 Bearings DE

 6305ZZC3 / 25BC03JPP3OA

6305ZZC3 / 25BC03JPP3OA

Pole

4

\*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.

CONT

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 INTE	RNATIONAL CORPORATION · H	OUSTON, TEXAS U.S.A.		
Engineering	bmammen	Doc. Written By	D. Suarez	Doc.#/Rev	MPCF-1125 / 0
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