



.eading	Innovation	>>>
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TYPICAL MOTOR PERFORMANCE DATA

Issued Date

Issued By

6/19/2025

dschoeck

Transmit #

Issued Rev

				-		1		
HP 0.75	kW 0.55	Pole 6	FL RPM 1165	Frame 56C	Voltage 230/460	Hz 60	Phase 3	FL Amps 2.6/1.3
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA	NEMA	kVA Code	Ambient
				-	Nom. Eff.	Design		(°C)
TEFC	55	F	1.15	CONT	82.5	В		40 C
oad	HP	kW	Ampe	eres	Efficiency	/ (%)	Power F	actor (%)
ull Load	0.75	0.6	1.		82.6			6.6
Load	0.56	0.4	1.	1	81.3		58	3.3
2 Load	0.37	0.3	0.	9	76.9		46	3.1
4 Load	0.19	0.1	0.	9	64.2		30).2
lo Load			0.					.9
ocked Rotor			8.	0			51	1.6
			.					
Full Lo	ad	Locko	Torque d Rotor		ıll Up	Bro	ak Down	Rotor wk ² Inertia
(lb-ft			FLT)		FLT)		6 FLT)	(lb-ft ²)
3.38			15		165		285	0.15
35	15	dB(A) @ 1M	DI 6305		NDE 6305Z	Z		52
35	15					Z		-
35 Bearings are the only re Motor Options: Product Family:EQF Mounting:C-Face Ro	ecommended spar					Z		-
Bearings are the only re Motor Options: Product Family:EQF	ecommended spar					Z		-
Bearings are the only re Notor Options: Product Family:EQF	ecommended spar					Z		-
Bearings are the only re Iotor Options: Product Family:EQF Nounting:C-Face Re	ecommended spar					Z		-
Bearings are the only re lotor Options: Product Family:EQF Nounting:C-Face Re Sustomer	ecommended spar					Z		-
Bearings are the only re lotor Options: roduct Family:EQF lounting:C-Face Re ustomer ustomer PO	ecommended spar					Z		-
learings are the only re lotor Options: roduct Family:EQF founting:C-Face Re ustomer ustomer PO ales Order	ecommended spar					Z		-
earings are the only re otor Options: roduct Family:EQF founting:C-Face Re ustomer ustomer PO ales Order roject #	ecommended spar					Z		-
learings are the only re lotor Options: roduct Family:EQF founting:C-Face Re ustomer ustomer PO ales Order roject #	ecommended spar					Z		-
earings are the only re roduct Family:EQF founting:C-Face Re ustomer ustomer PO ales Order roject # ag:	ecommended span	e part(s).	6305	522	6305Z			-
earings are the only re fotor Options: roduct Family:EQF founting:C-Face Re ustomer ustomer PO ales Order roject # ag:	ecommended span	e part(s).	6305	52Z RPORATION ·	6305Z	AS U.S.A.		52
Bearings are the only re Notor Options: Product Family:EQF	ecommended span	e part(s).	6305	522	6305Z	AS U.S.A.		52 52 MPCF-1119/0



TYPICAL	. MOTOR	PERFORMANCE DATA
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HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
0.50	0.37	6	970	56C	190/380	50	3	2.4/1.2
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.0	CONT	78.5	-		40 C
oad	HP	kW	Ampe		Efficiency			actor (%)
ull Load	0.50	0.4	1.		79.9		61	
Load	0.38	0.3	1.		77.6			2.9
2 Load	0.25 0.13	0.2	0. 0.		71.8 67.5			1.5 7.2
	0.13	0.1			07.5		-	
lo Load .ocked Rotor		-	0.				9. 56	
Full Lc (lb-ft 2.7	t)	Locked (% F	FLT)	(%	ull Up 5 FLT) 200		ak Down % FLT) 320	Inertia (Ib-ft²) 0.15
Cold	Hot	Pressure dB(A) @ 1M	DI	E	NDE		(Ib	os)
35	15		6305	5ZZ	6305Z	Z	5	52
35 Bearings are the only re Motor Options: Product Family:EQF Mounting:C-Face R	ecommended spar	e part(s).	6305	522	6305Z	Z	5	-
Bearings are the only re Iotor Options: Product Family:EQF	ecommended spar	e part(s).	6305	5ZZ	6305Z	Z	5	-
Bearings are the only re Iotor Options: Product Family:EQF Nounting:C-Face R	ecommended spar	e part(s).	6305	5ZZ	6305Z	Z	5	-
Bearings are the only re lotor Options: Product Family:EQF Nounting:C-Face R Sustomer Sustomer PO	ecommended spar	e part(s).	6305	5ZZ	6305Z	Z	5	-
Bearings are the only re lotor Options: roduct Family:EQF lounting:C-Face R ustomer ustomer PO ales Order	ecommended spar	e part(s).	6305	5ZZ	6305Z	Z	5	-
iearings are the only re lotor Options: roduct Family:EQF lounting:C-Face R ustomer ustomer PO ales Order roject #	ecommended spar	e part(s).	6305	522	6305Z	Z	5	-
Bearings are the only re lotor Options: roduct Family:EQF lounting:C-Face R ustomer ustomer PO ales Order roject #	ecommended spar	e part(s).	6305	5ZZ	6305Z	Ζ	5	-
earings are the only re otor Options: roduct Family:EQF tounting:C-Face R ustomer ustomer PO ales Order roject # ag:	ecommended spar	lues.					5	-
Bearings are the only re Totor Options: Troduct Family:EQF Aounting:C-Face R Ustomer ustomer PO ales Order roject # ag: I characteristics are av	ecommended span	Ilues. TOSHIBA INTER		RPORATION ·	HOUSTON, TEX			52
Bearings are the only re Iotor Options: Product Family:EQF	ecommended span	lues.			HOUSTON, TEX	AS U.S.A.	5 Doc.# / Rev Doc. issued	52



	_			Issued Date	6/19/202		Transmit #	
TOSHI	BA			Issued By	dschoed	CK	Issued Rev	
Leading Inno	vation >>>							
		S	PEED TORG	UE/CURRENT	CURVE			
Model:	3/46SDSR34H-F	D						
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
0.75	0.55	6	1165	56C	230/460	60	3	2.6/1.3
					NEMA	NEMA		Ambient
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Design	kVA Code	(°C)
TEFC	55	F	1.15	CONT	82.5	В		40 C
ocked Rotor	Rotor wk ²				Torque		1	
Amps	Inertia	Full Load		d Rotor	Pull Up	0	Break	
	(lb-ft²)	(lb-ft)		%)	(%) 165		(% 28	
8.0	0.15	3.38	Ζ	15	105		28	5
	1							
280 (%) 210 140 70							4	²⁰ Current (%) 30
(%) anbjogram 140		20	40	6		80	4	²⁰ Current (%)
(%) enbuo 140		20		60 Tronous Speed		80	4	²⁰ Current (%)
(%) enduced and a constraint of the second s		20				80	4	²⁰ Current (%)
(%) ²¹⁰ nbio 140 70	0					80	4	²⁰ Current (%)
(%) enbuo 140	0					80	4	²⁰ Current (%)
(%) ²¹⁰ nbio 140 70	0					80	4	²⁰ Current (%)
210 140 70 0 Torq	0				(%)			²⁰ Current (%)
210 140 70 0 Torq stomer	0				(%)	nertia (Ib-ft²)	4	²⁰ Current (%)
(%) ²¹⁰ nbJoL 140 70	0				(%) wk² Load Ir		4 1 100	20 Current (%) 30

Issued Date

6/19/2025

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All characteristics are average expected values.

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Engineering	202	Doc. Written By		Doc.#/Rev	MPCF-1121 / 0				
Engr. Date	6/24/2022	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011				



HP

0.50

Enclosure

TEFC

Locked Rotor

Amps

7.2

350

280

(%) anbjog 140

70

Model: 3/46SDSR34H-P

kW

0.37

IP

55

Rotor wk²

Inertia

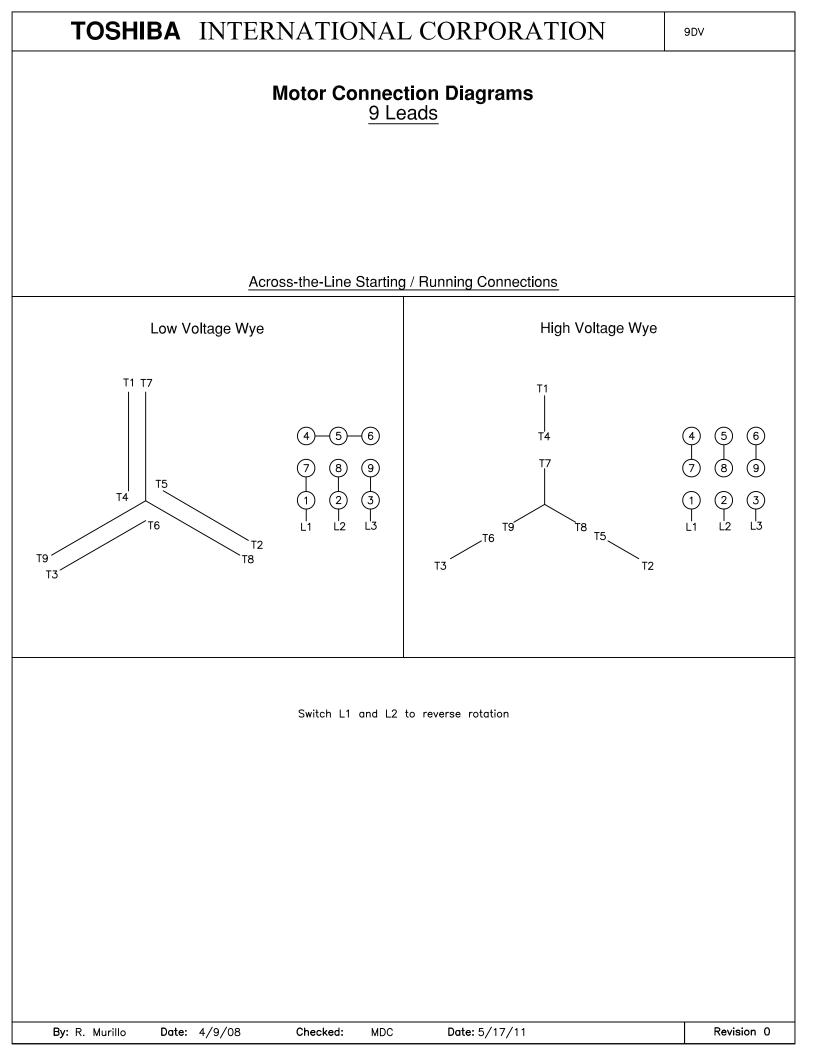
(lb-ft²)

0.15

		Issued Date	6/19/202	25	Transmit #	
		Issued By	dschoed	ck	Issued Rev	
S	PEED TORQ	UE/CURREN	IT CURVE			
Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
6	970	56C	190/380	50	3	2.4/1.2
ns. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
F	1.0	CONT	78.5	-		40 C
			Torque			
Full Load	Locked		Pull Up	C	Break	
(lb-ft)	(%		(%)		(%	
2.71	26	0	200		32	0
		sign Valu	es		7	00
		sign value	es		5	60
			es		5	

0					
0	20	40	60	80	100
		Synchronou	is Speed (%)		
Torque	Current				
Customer			wk²	Load Inertia (Ib-ft ²)	-
Customer PO				Load Type	-
Sales Order				Voltage (%)	100
Project #				Accel. Time	-
Tag:					
All characteristics are average exped	cted values.				
	TOSHIBA INTERNA	TIONAL CORPOR		I, TEXAS U.S.A.	
Engineering	SPinzon			D. Suarez	Doc.# / Rev MPCF-1121 / 0

TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.									
Engineering	SPinzon	Doc. Written By	D. Suarez	Doc.#/Rev	MPCF-1121 / 0				
Engr. Date	6/24/2022	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011				





Pole

	Issued Date:	6/19/20	25	Transmit #:	
	Issued By:	dschoe	eck	Issued Rev:	
SPAR	E PARTS LIS	Τ*			
FL RPM	Frame	Voltage	Hz	Phase	FL Amps
FL RPM 1165	Frame 56C	Voltage 230/460	Hz 60	Phase 3	FL Amps 2.6/1.3
			_		FL Amps 2.6/1.3 Ambient (°C)

Model: 3/46SDSR34H-P

kW

ΗP

0.75
0.55
6
1165
56C
230/460
60
3

Enclosure
IP
Ins. Class
S.F.
Duty
NEMA Nom. Eff.
NEMA Design
N

*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	verage expected values.				
	TOSHIBA INTER	RNATIONAL CORPORATION ·	HOUSTON, TEXAS U.S.A.		
Engineering	SPinzon	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1125 / 0
Engr. Date	6/24/2022	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011