



Leading Innovation >>>

TYPICAL MOTOR PERFORMANCE DATA

Issued Date

Issued By

6/19/2025

dschoeck

Transmit #

Issued Rev

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
0.75	0.55	6	1165	56	230/460	60	3	2.6/1.3
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.15	CONT	82.5	B		40 C
		1 · · ·	1.15	CONT	02.0			400
oad	HP	kW	Ampe	eres	Efficiency	/ (%)	Power F	actor (%)
ull Load	0.75	0.6	1.	3	82.6		66	3.6
Load	0.56	0.4	1.		81.3			3.3
Load	0.37	0.3	0.		76.9			6.1
Load	0.19	0.1	0.	9	64.2		30).2
o Load			0.					.9
ocked Rotor			8.	0			57	1.6
		1	Torque			•		Rotor wk ²
Full Loa	ld	Locked			ll Up		ak Down	Inertia
(lb-ft) 3.38		(% F	-		FLT) 65	(%	% FLT) 285	(lb-ft²) 0.15
Cold	Hot	Pressure dB(A) @ 1M	DE	E	NDE		(Ik	os)
35	15		6305	5ZZ	6305Z	Z 52		52
Iotor Options: Product Family:EQP Mounting:Footed,Sha	Global SD aft:56							
Sustomer								
ustomer PO								
ustomer PO ales Order								
ustomer PO ales Order roject # ag:								
ustomer PO ales Order roject #								
ustomer PO ales Order roject # ag:		lues. TOSHIBA INTER Pinzon	NATIONAL CO	RPORATION · Doc. Written By	HOUSTON, TEX D. Suarez		Doc.# / Rev	MPCF-1119 / 0



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DEDEODMANCE DATA NOTOD

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Model:	3/46SDSR31F	I-P						
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
0.50	0.37	6	970	56	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	eres	Efficienc	y (%)	Power Fa	actor (%)
ull Load	0.50	0.4	1.		79.9			1.6
4 Load	0.38	0.3	1.		77.6			2.9
2 Load	0.25	0.2	0.		71.8			1.5
4 Load	0.13	0.1	0.		67.5			7.2
lo Load		-	0.					.5
ocked Rotor			7.					. <u>.</u> 5.4
			Torque					Rotor wk ²
Full Lo			d Rotor		ıll Up		ak Down	Inertia
(lb-ft	:)	(%	FLT)	(%	FLT)	(%	% FLT)	(lb-ft²)
2.71		2	60		200		320	0.15
			DE NDE 6305ZZ 6305ZZ			`	os)	
35	15		6305	5ZZ	NDE 6305Z			52
Bearings are the only re Motor Options: Product Family:EQF	commended spare	e part(s).	6305	522				
Bearings are the only re Motor Options: Product Family:EQF	commended spare	e part(s).	6305	522				
Bearings are the only re Notor Options: Product Family:EQF Mounting:Footed,Sh Customer	commended spare	e part(s).	6305	522				
Bearings are the only re Motor Options: Product Family:EQF Mounting:Footed,Sh Customer Customer PO	commended spare	e part(s).	6305	522				
Bearings are the only re Actor Options: Product Family:EQF Mounting:Footed,Sh Customer Customer PO Sales Order	commended spare	e part(s).	6305	522				
Bearings are the only re Notor Options: Product Family:EQF Mounting:Footed,Sh Customer Customer PO Sales Order Project #	commended spare	e part(s).	6305	522				
Bearings are the only re Notor Options: Product Family:EQF Mounting:Footed,Sh Customer Customer PO Sales Order Project #	commended spare	e part(s).	6305	522				
Bearings are the only re Totor Options: Product Family:EQF Mounting:Footed,Sh Sustomer Sustomer PO Sales Order Project # Tag:	ecommended spare	lues.			63052	Z		
Bearings are the only re Actor Options: Product Family:EQF Mounting:Footed,Sh Customer Customer PO Sales Order Project # Tag: Il characteristics are av	ecommended spare	lues. TOSHIBA INTER		RPORATION ·	6305Z	Z 	5	52
35 Bearings are the only re Motor Options: Product Family:EQF Mounting:Footed,Sh Mounting:Footed,Sh Customer Customer PO Sales Order Project # Fag:	ecommended spare	lues.			6305Z	Z (AS U.S.A.		52



HP

0.75

Enclosure

TEFC

Locked Rotor

Amps

8.0

		Issued Date	6/19/20		Transmit #	
		Issued By	dschoe	ck	Issued Rev	
SI		UE/CURREN	T CURVE			
	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
	1165	56	230/460	60	3	2.6/1.3
	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
	1.15	CONT	82.5	В		40 C
			Torque			
	Locked		Pull U	р	Break	
	(%		(%) 165		(%) 285	
_					•	
	Des	ign Value	es		_	00
					5	

Model: 3/46SDSR31H-P

kW

0.55

IP

55

Rotor wk²

Inertia

(lb-ft²)

0.15

Pole

6

Ins. Class

F

Full Load

(lb-ft)

3.38

350							7	JU
280 280 210 140							5	⁵⁰ Current (%)
70		20	40			80	108	40
0					60	00	100	
0			Sync	hronous Spee		80	100	
ustomer ustomer PO ales Order	Current		Sync		d (%)	Inertia (Ib-ft²) Load Type Voltage (%)	- - 10	0
	Current		Sync		d (%)	Inertia (Ib-ft²) Load Type		0
Ustomer ustomer PO ales Order roject #	expected values.			chronous Spee	d (%) wk² Load	Inertia (Ib-ft²) Load Type Voltage (%) Accel. Time	- - 10	0
ustomer ustomer PO ales Order roject #	expected values.			hronous Spee	d (%) wk² Load	Inertia (Ib-ft²) Load Type Voltage (%) Accel. Time XAS U.S.A.	- - 10	0



HP

0.50

Enclosure

TEFC

Locked Rotor

Amps

7.2

350

280

(%) enbrou 140

140

70

Model: 3/46SDSR31H-P

kW

0.37 IP

55 Rotor wk²

Inertia

(lb-ft²)

0.15

		Issued Date	6/19/202	25	Transmit #	
		Issued By	dschoec	:k	Issued Rev	
S	PEED TORQ	UE/CURREN	IT CURVE			
Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
6	970	56	190/380	50	3	2.4/1.2
Ins. 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		Break	
(lb-ft) 2.71	(% 26		(%) 200		(% 32	
					5	00 60 20 2
					1	Current (%)
20	40	e	50	80	108	40

wk² Load Inertia (lb-ft²)

Load Type

Voltage (%)

Accel. Time

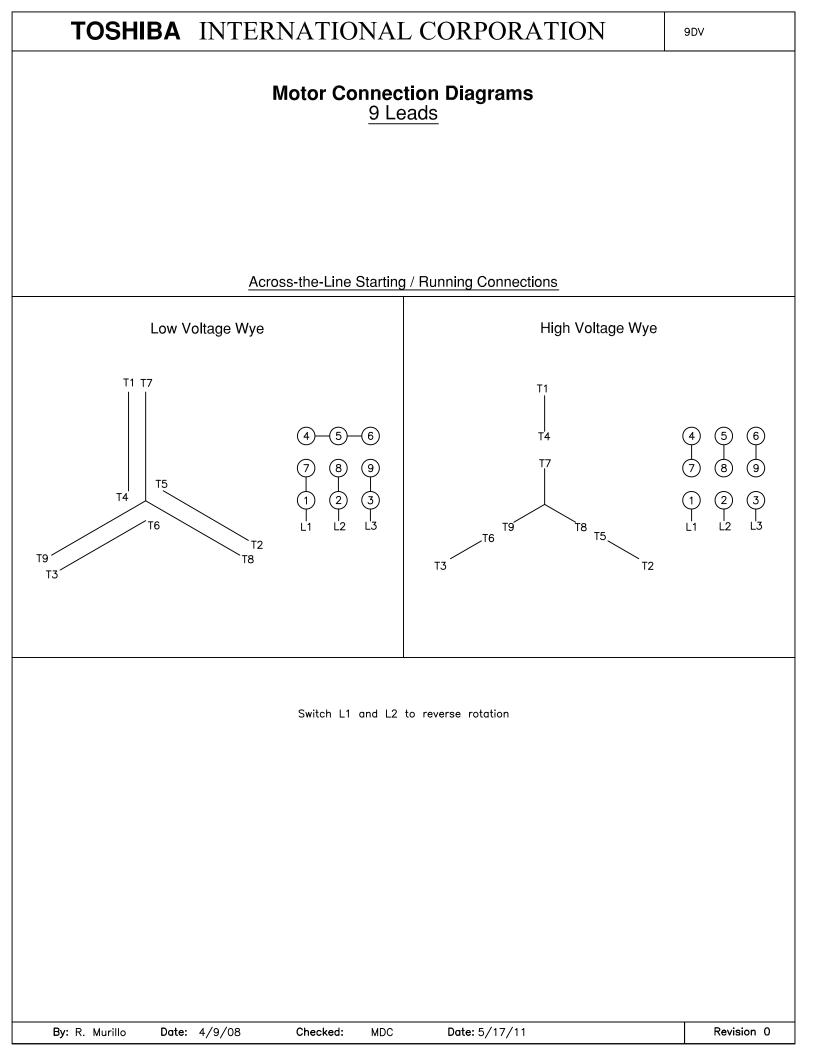
-

-100

-

ᅆ 20 40 60 Synchronous Speed (%) Torque Current Customer Customer PO Sales Order Project # Tag:

All characteristics are av	erage expected values.				
	TOSHIBA INTER	RNATIONAL 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





Model: 3/46SDSR31H-P

kW

0.55

IP

55

Pole

6

Ins. Class

F

HP

0.75

Enclosure

TEFC

	Issued Date: Issued By:	6/19/20 dschoe		Transmit #: Issued Rev:	
SPAR	E PARTS LIS	T*			
FL RPM	Frame	Voltage	Hz	Phase	FL Amps
FL RPM 1165	Frame 56	Voltage 230/460	Hz 60	Phase 3	FL Amps 2.6/1.3

Bearings DE	6305ZZ / 25BC03JPPOX
Bearings NDE	6305ZZ / 25BC03JPPOX

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