



Leading Innovation >>>

TYPICAL MOTOR PERFORMANCE DATA

Issued Date

Issued By

6/19/2025

dschoeck

Transmit #

Issued Rev

HP	kW	Pole	FL RPM	Frame	Valtara	Hz	Phase	
<u>п</u> г 2	1.5	2	3500	145TC	Voltage 230/460	60	3	FL Amps 5.4/2.7
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.15	CONT	85.5	B		40 C
TELE		· ·	1.13	CONT	00.0	U		40 0
oad	HP	kW	Amp		Efficiency	/ (%)	Power Fa	actor (%)
ull Load	2.00	1.5	2.		85.6		82	
Load	1.50	1.1	2.		84.3		74	
Load	1.00	0.7	1.		80.8		66	
Load	0.50	0.4	1.		75.6		60	
lo Load ocked Rotor			1.				9. 54	
Full Lc	ad	Locke	Torque d Rotor		JII Up	Bre	ak Down	Rotor wk ² Inertia
(lb-ft			ELT)		5 FLT)		6 FLT)	(lb-ft ²)
3.00			25		265	(7	375	(10-11-) 0.06
24	15	dB(A) @ 1M -	DI 63052		NDE 6305ZZ		(lb 5	9 s) 7
24 Bearings are the only re Motor Options: Product Family:EQF Mounting:C-Face Fo	ecommended spare	- e part(s). ace Footed						
Bearings are the only re Motor Options: Product Family:EQF	ecommended spare	- e part(s). ace Footed						-
Bearings are the only re Iotor Options: Product Family:EQF	ecommended spare	- e part(s). ace Footed						-
Bearings are the only re lotor Options: roduct Family:EQF lounting:C-Face Fo	ecommended spare	- e part(s). ace Footed						-
earings are the only re otor Options: roduct Family:EQF tounting:C-Face Fo ustomer ustomer PO	ecommended spare	- e part(s). ace Footed						-
Bearings are the only re lotor Options: roduct Family:EQF lounting:C-Face Fo ustomer ustomer PO ales Order roject #	ecommended spare	- e part(s). ace Footed						-
Bearings are the only re lotor Options: Product Family:EQF Nounting:C-Face Fo	ecommended spare	- e part(s). ace Footed						-
earings are the only re otor Options: roduct Family:EQF lounting:C-Face Fo ustomer ustomer PO ales Order roject #	ecommended spare	e part(s). ace Footed haft	63052	72C3	6305ZZ	C3		-
learings are the only re lotor Options: roduct Family:EQF founting:C-Face Fo ustomer ustomer PO ales Order roject #	ecommended spare	e part(s). ace Footed haft	63052	72C3	6305ZZ	C3		-



Model: 0022SDSR42A-P

kW

1.5

IP

55

ΗP

2.00

1.50

1.00

0.50

Pole

2

Ins. Class

F

kW

1.5

1.1

0.7

0.4

ΗP

2

Enclosure

TEFC

Load

Full Load 3/4 Load

1/2 Load

1/4 Load No Load Locked Rotor

		Issued Date	6/19/20	25	Transmit #	
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TYPI	ICAL MOTO	R PERFORM	ANCE DATA			
е	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
	2825	145TC	190/380	50	3	6.6/3.3
ass	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
	1.0	CONT	77.2	-		40 C
,	Amp		Efficienc	/ (%)	Power Fa	
5	3.	-	80.3		85.5	
	2.	-	80.3		80.0	
'	2.1		77.8		69.1	
ŀ	1.		67.9			
	1.4				8.0	2
	1.				53.	

Torque						
Full Load	Locked Rotor	Pull Up	Break Down	Inertia		
(lb-ft)	(% FLT)	(% FLT)	(% FLT)	(lb-ft²)		
3.72	205	180	245	0.06		

Safe Stall	Safe Stall Time(s)		Bearin	une*	Approx. Motor Weight
Cold	Hot	Pressure dB(A) @ 1M			
		а Б(А) @ 1₩	DE	NDE	(lbs)
34	15	-	6305ZZC3	6305ZZC3	57

*Bearings are the only recommended spare part(s).

Motor Options: Product Family:EQP Global SD CFace Footed Mounting:C-Face Footed,Shaft:T Shaft

Customer PO Sales Order Project # Tag:

Customer

All characteristics are average expected values.

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Engineering	igineering aguerrettaz Doc. Written By D. Suarez Doc.# / Rev MPCF-1119 / 0							
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HP

2

Enclosure

TEFC

Locked Rotor

Amps

25

Customer

Customer PO

Sales Order Project #

Tag:

450

		Issued Date	6/19/202	25	Transmit #	
		Issued By	dschoed	ck	Issued Rev	
SI	PEED TORQ	UE/CURREN	IT CURVE			
	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
	3500	145TC	230/460	60	3	5.4/2.7
;	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
	1.15	CONT	85.5	В		40 C
			Torque	-		
	Locked	Rotor	Pull Up	2	Break	Down
	(%)		-		(%)	
	(%	»)	(%)		(%	b)
	32		(%) 265		(% 37	
	32		265			5

rent (%)

420

210

100

-

-

100

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MPCF-1121 / 0

6/8/2011

Doc.#/Rev

Doc. Issued

Model: 0022SDSR42A-P

kW

1.5

IP

55

Rotor wk²

Inertia

(lb-ft²)

0.06

Pole

2

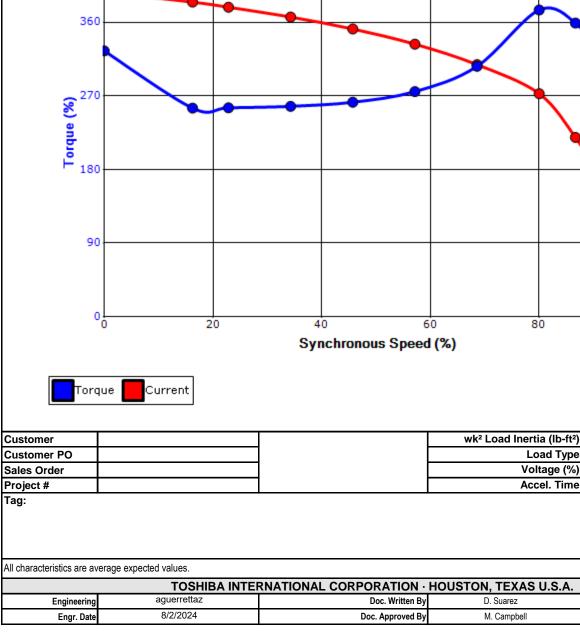
Ins. Class

F

Full Load

(lb-ft)

3.00





HP 2 Enclosure TEFC

Locked Rotor

Amps

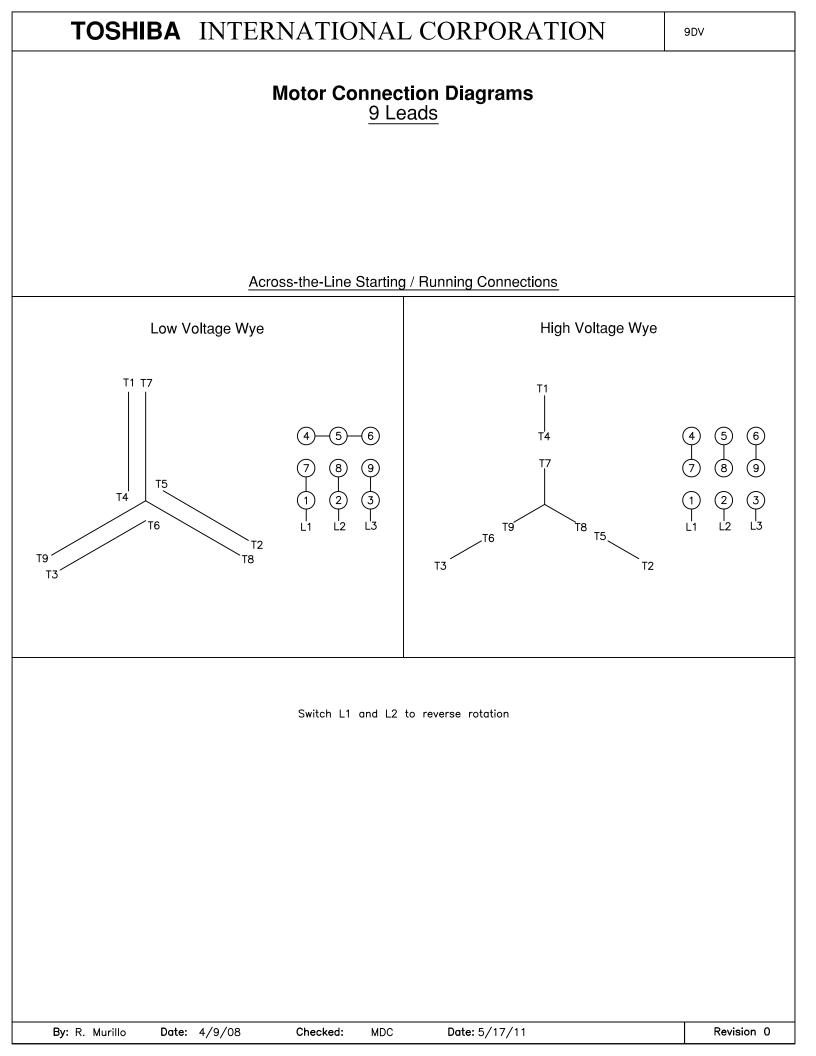
21

Customer Customer PO Sales Order Project # Tag:

				Issued Date	6/19/20		Transmit #	
SHI	IBA			Issued By	dschoe	ck	Issued Rev	
	0022SDSR42A-		PEED TORQ	UE/CURREN ⁻	T CURVE			
	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
	1.5	2	2825	145TC	190/380	50	3	6.6/3.3
e	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
	55	F	1.0	CONT	77.2	-		40 C
or	Rotor wk ²				Torque			
	Inertia	Full Load	Locked		Pull U	р	Break	
-+	(lb-ft²) 0.06	(lb-ft) 3.72	(% 20		(%) 180		(% 24	
	0.00	3.12	20		160		24	0
240							6	00
240 180 120 60 0 Torq		20	40 Synch	6 ronous Speed		80	4	50 Current (%) 00
180 120 60 0		_			(%)			50 Current (%) 50
180 120 60 0		_			(%)	80		50 Current (%) 50
180 120 60 0		_			(%)	nertia (Ib-ft²)		50 Current (%) 50

All characteristics are average expected values.

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				Issued Date:	6/19/20)25	Transmit #:	
TOSH	TOSHIBA			Issued By:	dschoe	eck	Issued Rev:	
	novation >>>	•	SPAR	E PARTS LIST	Г*			
Model	: 0022SDSR42	A-P						
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
2	1.5	2	3500	145TC	230/460	60	3	5.4/2.7
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.15	CONT	85.5	В		40 C
Bearings 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	All characteristics are average expected values.									
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Engineering	aguerrettaz	Doc. Written By	D. Suarez	Doc.#/Rev	MPCF-1125 / 0					
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