



eading In	novation	>>>
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TYPICAL MOTOR PERFORMANCE DATA

Issued Date

Issued By

6/19/2025

dschoeck

Transmit #

Issued Rev

HP	kW	Pole	FL RPM	Frame	Valtara	Hz	Phase	FL Amps
30	22	4	1770	284TC	Voltage 230/460	60	3	74/37
		1			NEMA	NEMA		Ambient
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Design	kVA Code	(°C)
TEFC	55	F	1.15	CONT	93.6	В		40 C
oad	HP	kW	Ampe	eres	Efficiency	y (%)	Power F	actor (%)
ull Load	30.00	22.4	30	6	93.8		8	1.6
Load	22.50	16.8	28		93.3			3.2
Load	15.00	11.2	2 ⁻		91.5			0.1
Load	7.50	5.6	16	.5	85.6		49	9.5
o Load			15					.6
ocked Rotor			23	6			30).5
Full Lo	ad	Locke	Torque d Rotor		ıll Up	Brea	ak Down	Rotor wk ² Inertia
(lb-ft)		(%	FLT)	(%	FLT)	(%	% FLT)	(lb-ft²)
89.0			90		135		300	5.70
	Hot	dB(A) @ 1M	DE		NDE		(It	os)
35	15	dB(A) @ 1M -	DI 6310.		NDE 6310Z0		-	78
35 Bearings are the only red lotor Options: Product Family:EQP <i>I</i> ounting:C-Face Fo	15 commended spare	- e part(s). ace Footed					-	-
Bearings are the only red Iotor Options: Product Family:EQP Nounting:C-Face Fo	15 commended spare	- e part(s). ace Footed					-	-
Bearings are the only red Iotor Options: Product Family:EQP Nounting:C-Face Fo	15 commended spare	- e part(s). ace Footed					-	-
earings are the only red fotor Options: roduct Family:EQP founting:C-Face Fo ustomer ustomer PO	15 commended spare	- e part(s). ace Footed					-	-
earings are the only red otor Options: roduct Family:EQP lounting:C-Face Fo ustomer ustomer PO ales Order	15 commended spare	- e part(s). ace Footed					-	-
earings are the only red otor Options: roduct Family:EQP lounting:C-Face Fo ustomer ustomer PO ales Order roject #	15 commended spare	- e part(s). ace Footed					-	-
earings are the only red otor Options: roduct Family:EQP lounting:C-Face Fo ustomer ustomer PO ales Order roject #	15 commended spare P Global SD CF boted,Shaft:T S		6310.	ZC3	631020	23	-	-
earings are the only red otor Options: roduct Family:EQP tounting:C-Face Fo ustomer PO ales Order roject # ag:	15 commended spare Global SD CF boted,Shaft:T S	e part(s). ace Footed haft	6310.	ZC3	6310ZG	C3	4	78
Bearings are the only red Iotor Options: Product Family:EQP	15 commended spare Global SD CF boted,Shaft:T S		6310.	ZC3	6310ZC	C3	-	78



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Model:	0304SDSR424	\-P						
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
30	22	4	1460	284TC	190/380	50	3	86/43
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.0	CONT	91.6	B		40 C
		1				1		
oad	HP	kW	Ampe	eres	Efficiency	r (%)	Power F	actor (%)
ull Load	30.00	22.4	42		92.2	(/		6.4
Load	22.50	16.8	33	2	92.2		84	1.4
2 Load	15.00	11.2	2		91.2			3.1
4 Load	7.50	5.6	16	.7	86.4		58	3.9
lo Load			12	0			4	.9
ocked Rotor			24).4
	ad	· · ·	Torque			-	als Davin	Rotor wk ²
Full Lo			d Rotor		III Up	_	ak Down	Inertia
(lb-ft			FLT)		FLT)	(%	% FLT)	(lb-ft²)
108	1	I	50		105		235	5.70
Cold	Hot	Pressure		Bearin			Approx. Mo	-
Cold 35	Hot 15	dB(A) @ 1M	DI 6310	E	83 NDE 6310ZC	23	(Ik	-
35 Bearings are the only re Notor Options: Product Family:EQF	15 ecommended spare	dB(A) @ 1M -		E	NDE	23	(Ik	os)
35 Bearings are the only re Notor Options: Product Family:EQF	15 ecommended spare	dB(A) @ 1M -		E	NDE	23	(Ik	os)
35 Bearings are the only re Notor Options: Product Family:EQF Mounting:C-Face Fo	15 ecommended spare	dB(A) @ 1M -		E	NDE	23	(Ik	os)
35 Bearings are the only re Notor Options: Product Family:EQF Mounting:C-Face Fo Mounting:C-Face Fo	15 ecommended spare	dB(A) @ 1M -		E	NDE	23	(Ik	os)
35 Bearings are the only re Notor Options: Product Family:EQF Mounting:C-Face Fo Mounting:C-Face Fo Sustomer PO Sales Order	15 ecommended spare	dB(A) @ 1M -		E	NDE	23	(Ik	os)
35 Bearings are the only re Notor Options: Product Family:EQF Mounting:C-Face For Mounting:C-Face For Sustomer Customer PO Sales Order Project #	15 ecommended spare	dB(A) @ 1M -		E	NDE	23	(Ik	os)
35 Bearings are the only re Notor Options: Product Family:EQF Mounting:C-Face For Mounting:C-Face For Sustomer Sustomer PO Sales Order Project #	15 ecommended spare	dB(A) @ 1M -		E	NDE	23	(Ik	os)
35 Bearings are the only re Product Family:EQF Aounting:C-Face For Aounting:C-Face For Sustomer Sustomer PO iales Order Project # ag:	15 ecommended spare P Global SD CF poted,Shaft:T S	dB(A) @ 1M -	6310	E	NDE 6310ZC		(Ik	os)
35 Bearings are the only re Product Family:EQF Aounting:C-Face For Sustomer Sustomer PO Sales Order Project # ag:	15 ecommended spare P Global SD CF poted,Shaft:T S	dB(A) @ 1M - e part(s). ace Footed haft	6310	E ZC3	NDE 6310ZC	AS U.S.A.	(PS) 78
	15 ecommended spare P Global SD CF poted, Shaft:T S	dB(A) @ 1M -	6310	E	NDE 6310ZC	AS U.S.A.	(Ik	os)



HP

30

Enclosure

TEFC

Locked Rotor

Amps

236

Customer

Project #

Tag:

350

		Issued Date	6/19/202	25	Transmit #	
		Issued By	dschoeck		Issued Rev	
S	PEED TORQ	UE/CURREN	IT CURVE			
	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
	1770	284TC	230/460	60	3	74/37
;	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
	1.15	CONT	93.6	В		40 C
			Torque			
	Locked	Rotor	Pull Up)	Break	Down
	(%	»)	(%)		(%	
	19	0	135		30	0
	Dec	sign Valu				
		sign Value			8	50

50

00

150

100

-

-

100

_

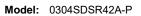
MPCF-1121 / 0

6/8/2011

Doc.#/Rev

Doc. Issued

Current (%



kW

22

IP

55

Rotor wk²

Inertia

(lb-ft²)

5.70

Pole

4

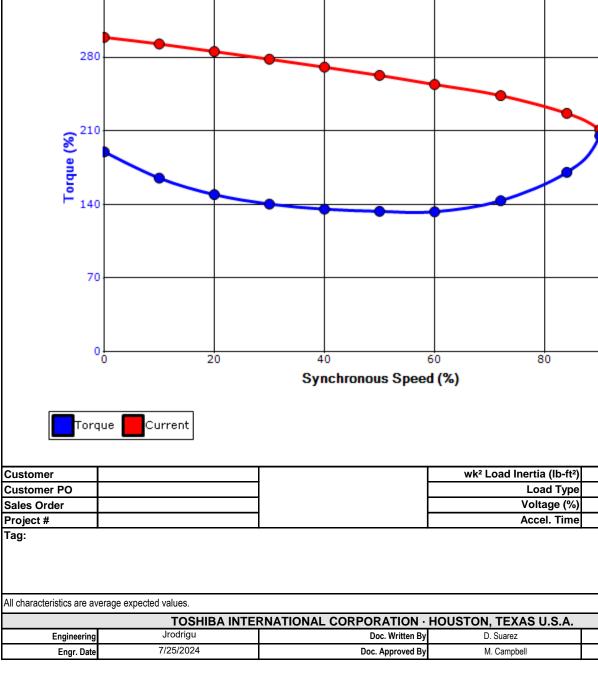
Ins. Class

F

Full Load

(lb-ft)

89.0





HP

30

Enclosure

TEFC

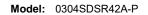
Locked Rotor

Amps

241

300

		Issued Date	6/19/202	25	Transmit #	
		Issued By	dschoed	ck	Issued Rev	
S	PEED TORQ	UE/CURREN	T CURVE			
Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
4	1460	284TC	190/380	50	3	86/43
ns. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
F	1.0	CONT	91.6	В		40 C
		·	Torque			
Full Load	Locked		Pull Up	o	Break	
(lb-ft)	(%		(%)		(%	
108	15	50	105		23	5
-	•				5	20
					3	⁹⁰ Cu
					2	Current (%)
					•	



kW

22

IP

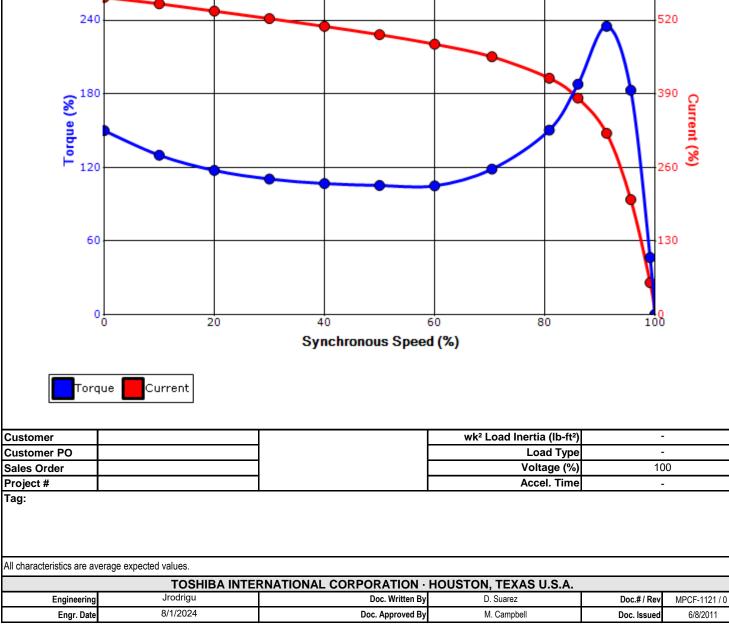
55

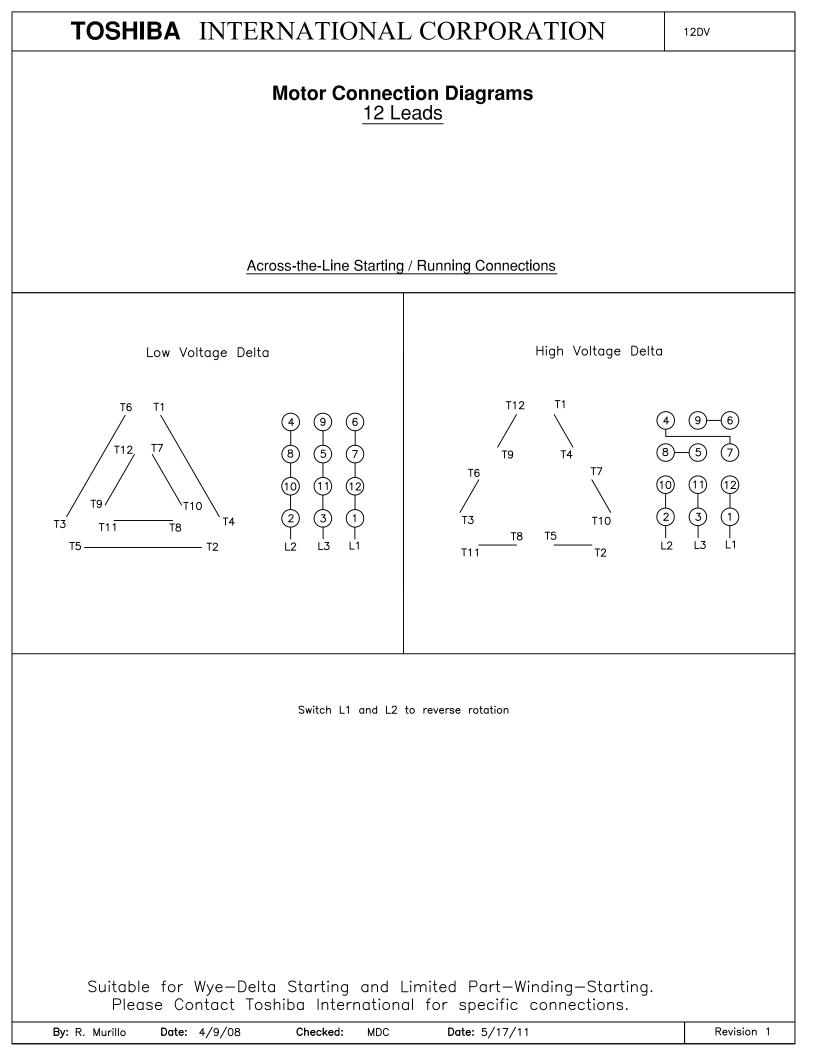
Rotor wk²

Inertia

(lb-ft²)

5.70





		Issued Da
TOSHIBA		Issued
Leading Innovation >>>		
-	SPARE	PARTS

Pole

4

Ins. Class

ate: 6/19/2025 Transmit #: dschoeck By: Issued Rev: LIST* FL RPM Frame Voltage Hz Phase FL Amps 1770 284TC 230/460 60 3 74/37 NEMA NEMA Ambient S.F. kVA Code Duty Nom. Eff. Design (°C)

TEFC	55	F	1.15	CONT	93.6	В		40 C	
Bearings DE	JS DE 6310ZC3 / 50BC03JP3OX								
Bearings NDE	6310ZC3 / 50B	C03JP3OX							

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

Model: 0304SDSR42A-P

kW

22

IP

HP

30

Enclosure

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 average	ge expected values.				
	TOSHIBA INTE	RNATIONAL CORPORATION · H	OUSTON, TEXAS U.S.A.		
Engineering	Jrodrigu	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1125 / 0
Engr. Date	7/25/2024	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011