



Leading Innovation >>>

TYPICAL MOTOR PERFORMANCE DATA

Issued Date

Issued By

6/19/2025

dschoeck

Transmit #

Issued Rev

HP	kW	Pole	FL RPM	Frame	Valtaga	Hz	Phase	
60	45	4	1775	364TC	Voltage 230/460	60	3	FL Amps 136/68
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA	NEMA	kVA Code	Ambient
TEEO			4.45	-	Nom. Eff.	Design		(°C)
TEFC	55	F	1.15	CONT	95.0	В		40 C
oad	HP	kW	Ampe	eres	Efficiency	y (%)	Power Fa	actor (%)
ull Load	60.00	44.7	6		95.3	, , ,		7.1
Load	45.00	33.6	52	2	94.8		85	5.2
₂ Load	30.00	22.4	37	7	93.2		79	9.4
Load	15.00	11.2	20	6	87.9		61	1.0
o Load			19					.9
ocked Rotor			47	3			26	3.5
			Torque			_		Rotor wk
Full Lo			d Rotor		ull Up		ak Down	Inertia
(lb-ft) 178	-		FLT) 75		5 FLT) 125	(%	% FLT) 270	(lb-ft²) 16.80
		dB(A) @ 1M	DE NDE 6314ZC3 6312ZC3				(lbs) 840	
35	15 ecommended spare	-			6312Z0			-
35 Bearings are the only re Notor Options: Product Family:EQF Mounting:C-Face Fo	commended spare	- e part(s). ace Footed						-
Bearings are the only re Iotor Options: Product Family:EQF Nounting:C-Face Fo	commended spare	- e part(s). ace Footed						-
Bearings are the only re lotor Options: roduct Family:EQF lounting:C-Face Fo ustomer ustomer PO	commended spare	- e part(s). ace Footed						-
iearings are the only re lotor Options: roduct Family:EQF founting:C-Face Fo ustomer ustomer PO ales Order	commended spare	- e part(s). ace Footed						-
earings are the only re otor Options: roduct Family:EQF tounting:C-Face Fo ustomer ustomer PO ales Order roject #	commended spare	- e part(s). ace Footed						-
iearings are the only re lotor Options: roduct Family:EQF lounting:C-Face Fo ustomer ustomer PO ales Order roject #	commended spare	- e part(s). ace Footed						-
earings are the only re otor Options: roduct Family:EQF tounting:C-Face Fo ustomer ustomer PO ales Order roject #	ecommended spare		6314	ZC3	631220	23		-
earings are the only re otor Options: roduct Family:EQF tounting:C-Face For ustomer ustomer PO ales Order roject # ag: I characteristics are ave	ecommended spare	e part(s). ace Footed haft	6314	ZC3	6312ZC	C3	8	40
Bearings are the only re Iotor Options: Product Family:EQF	ecommended spare		6314	ZC3	6312ZC	C3		40 40



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UD	1.34/	Data		F ire in a	Valtara		Dhaaa	
HP 60	kW 45	Pole 4	FL RPM 1470	Frame 364TC	Voltage 190/380	Hz 50	Phase 3	FL Amps 164/82
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA	NEMA	kVA Code	Ambient
TEEO			1.0	-	Nom. Eff.	Design		(°C)
TEFC	55	F	1.0	CONT	93.1	В		40 C
oad	HP	kW	Ampe	eres	Efficiency	/ (%)	Power Fa	actor (%)
ull Load	60.00	44.7	82		94.1			7.9
Load	45.00	33.6	62	2	94.0		87	7.2
2 Load	30.00	22.4	43	3	93.0		83	3.3
Load	15.00	11.2	20	8	88.7		67	7.9
lo Load			17					.9
ocked Rotor			51	6			26	6.8
	1		Torque					Rotor wk ²
Full Lo			d Rotor		III Up		ak Down	Inertia
(lb-ft 214			FLT) 45		FLT) 105	(%	6 FLT) 230	(lb-ft²) 16.80
Cold	Hot	dB(A) @ 1M	DI	E	NDE		(Ib	os)
35	Но т 15	dB(A) @ 1M -	DI 6314		NDE 6312Z0			95) 40
35 Bearings are the only re Iotor Options: Product Family:EQF	15 ecommended spare P Global SD CF	- e part(s). ace Footed						-
35 Bearings are the only re Notor Options: Product Family:EQF Mounting:C-Face Fo	15 ecommended spare P Global SD CF	- e part(s). ace Footed						-
35 Bearings are the only re lotor Options: Product Family:EQF Mounting:C-Face Fo	15 ecommended spare P Global SD CF	- e part(s). ace Footed						-
35 Bearings are the only re lotor Options: roduct Family:EQF founting:C-Face Fo ustomer ustomer PO	15 ecommended spare P Global SD CF	- e part(s). ace Footed						-
35 Bearings are the only re lotor Options: Product Family:EQF Aounting:C-Face Fo Aounting:C-Face Fo sustomer sustomer PO ales Order roject #	15 ecommended spare P Global SD CF	- e part(s). ace Footed						-
35 Bearings are the only re lotor Options: roduct Family:EQF Mounting:C-Face Fo Mounting:C-Face Fo ustomer ustomer ustomer PO ales Order roject #	15 ecommended spare P Global SD CF	- e part(s). ace Footed						-
35 Bearings are the only re fotor Options: froduct Family:EQF founting:C-Face Fo founting:C-Face Fo austomer ustomer PO ales Order roject # ag:	15 ecommended spare P Global SD CF poted,Shaft:T S		6314	ZC3	631220	23		-
35 Bearings are the only re Product Family:EQF Mounting:C-Face For Mounting:C-Face For	15 ecommended spare P Global SD CF pooted,Shaft:T S	e part(s). ace Footed haft	6314	ZC3	6312ZC	C3	84	40
	15 ecommended spare P Global SD CF pooted,Shaft:T S		6314	ZC3	631220	C3		-



HP

60

Enclosure

TEFC

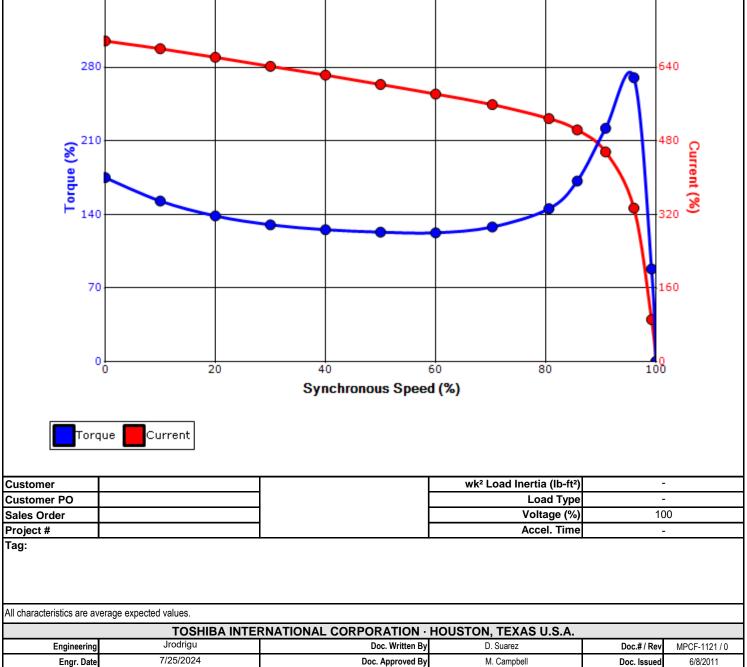
Locked Rotor

Amps

473

350

		Issued Date	6/19/20	25	Transmit #	
		Issued By	dschoeck		Issued Rev	
S	PEED TORQ	UE/CURREN	T CURVE			
	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
	1775	364TC	230/460	60	3	136/68
;	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
	1.15	CONT	95.0	В		40 C
			Torque			
	Locked		Pull U	р	Break Down	
	(%	b)	(%)		(%	5)
	17	5	125		27	0
	Des	sign Value	es			
					8	00



Model: 0604SDSR42A-P

kW

45

IP

55

Rotor wk²

Inertia

(lb-ft²)

16.80

Pole

4

Ins. Class

F

Full Load

(lb-ft)

178



Customer Customer PO Sales Order Project # Tag:

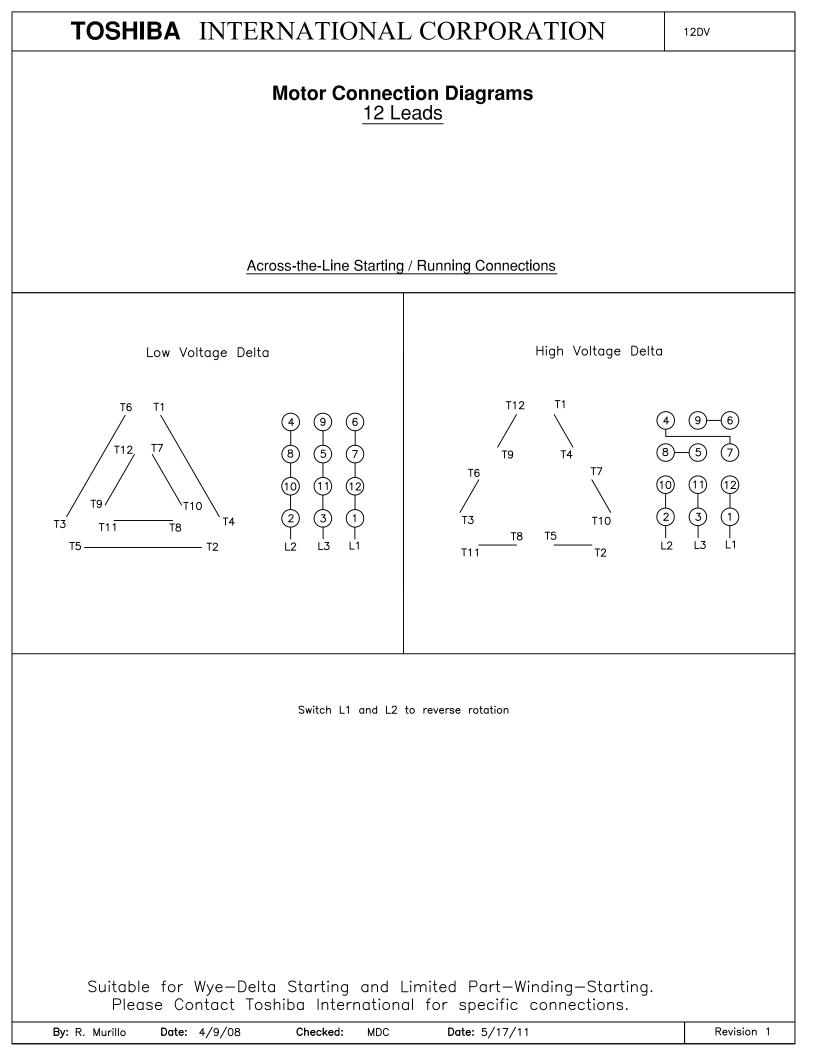
HP 60 Enclosure TEFC

Locked Rotor Amps 516

	Implementation SPEED TORQUE/CURRENT CURVE Mode: 0604SDSR42A-P Point FL RPM Frame Voltage Hz F Surre IP Ins. Class S.F. Duty NEMA NEMA KW C 55 F 1.0 CONT 93.1 B Torque Rotor Rotor (Ib-rt) (Ib-rt) (%) <		Transmit #		6/19/202	Issued Date				
BYEED TORQUE/CURRENT CURVE text:	SPEED TORQUE/CURRENT CURVE Model: 0604SDSR42A-P KW Pole FL RPM Frame Voltage Hz F ure IP Ins. Class S.F. Duty NEMA NEMA<		Issued Rev	k	dschoed	Issued By				
teder: <u>metric</u> <u>endeduced view location</u> <u>readed view location</u> <u>re</u>	todel: <u>0604SDSR42A-P</u> kW Pole FL RPM Frame Voltage Hz F re IP Ins. Class S.F. Duty NEMA							er	ovation >>>	g Inno
W Pole FL RPM Frame Voltage Hz Phase FL Ample 45 4 1470 364TC 190380 50 3 16485 re IP Ins. Class S.F. Duty NEMA NEMA kVA Code (°C) 55 F 10 CONT 93.1 B 40 C otor Rotor wk² Full Load Locked Rotor Torque 0 0 (°C) 230 Design Values 05 214 145 105 230 230 Design Values 00000000000000000000000000000000000	KW Pole FL RPM Frame Voltage Hz F 45 4 1470 364TC 190/380 50 re IP Ins. Class S.F. Duty NEMA Nom. Eff. Design kV 55 F 1.0 CONT 93.1 B Torque otor Inertia (lb-ft?) Full Load Locked Rotor Pull Up (%) (%) (%) (%) 105 Torque Torque<				CURVE	JE/CORREIN		J		
45 4 1470 364TC 190/380 50 3 16483 re IP Ins. Class S.F. Duty NEMA NEMA KVA Code (°C) 55 F 1.0 CONT 93.1 B 4.0 (°C) 100 55 F 1.0 CONT 93.1 B 4.0 100 106 106 CONT 93.1 B 4.0 100 16.80 214 Locked Rotor Pull Up Break Down (B-H) (B-H) ('B-H) ('A) ('S) 2.30 Design Values 0 0 214 145 105 2.30 Design Values Torque 0 0 0 0 0 0 0 Torque 10 0 0 0 0 0 0 0 Output Design Values 0 0 0 0 0 0 0 0 Output Break Down (%) Output District Participant Partitipant Participant Participa	45 4 1470 364TC 190/380 50 re IP Ins. Class S.F. Duty NEMA Nom. Eff. NEMA Design KV 55 F 1.0 CONT 93.1 B 0 otor Rotor wk² Inertia (lb-ft?) Full Load (lb-ft) Locked Rotor Pull Up (%) Outy Outy Outy NemA Design KV Joint I 6.80 214 145 105 0							Р	0604SDSR42A-	odel:
re IP Ins. Class S.F. Duty NEMA Design KVA Code Ambies 55 F 1.0 CONT 0911 B 4 40 Code (°C) tor Rotor wk² Interview Full Load Locked Rotor Pull Up Break Down (°A) 16.80 214 145 105 230 Design Values 0000 000 000 000 000 000 000 000 000 0	IP Ins. Class S.F. Duty NEMA Nom. Eff. NEMA Design KV 55 F 1.0 CONT 93.1 B B otor Inertia Inertia Full Load Locked Rotor Pull Up (%) (%) (%) 16.80 214 145 105 Design Values							Pole		
re r Jury Non. Eff. Design KVA COOP (°C) 105 F 1.0 CONT 33.1 B 40.C 106 Full Load Locked Rotor Pull Up Break Down 10.80 214 Locked Rotor Pull Up Break Down 10.80 214 145 105 230	IP Ins. Class S.F. Duty Nom. Eff. Design KV 55 F 1.0 CONT 93.1 B Image: Second control of the second content control of the second control of the second co		3			364TC	1470	4	45	
Refor wike Full Load Locked Rotor Pull Up Break Down (%) (%) (%) (%) (%) 16.80 214 145 105 230 Design Values 000 0 0 0 0 0 0 0 0 Design Values Design Values <	otor Rotor wk ² Inertia (lb-ft ²) Full Load Locked Rotor (%) 16.80 214 145 105 Design Values	VA Code Ambient (°C)	kVA Code			Duty	S.F.	Ins. Class	IP	re
Inertia Full Load Locked Rotor Pull Up Break Down (lb-ft) (lb-ft) (%) (%) (%) (%) 16.80 214 145 105 230 Design Values 000000000000000000000000000000000000	tor inertia (lb-ft) Load Locked Rotor Pull Up (%) (lb-ft) (%) (%) (%) 16.80 214 145 105 Design Values	40 C		В		CONT	1.0	F		
Internal Pull Local Locket Rotor Pull typ Break Down 16.80 214 145 105 230 Design Values 0 0 0 0 0 0 0 0 0 Design Values 0 0 0 0 0 0 0 0 0 0 0 Design Values 0 0 0 0 0 0 0 0 0 0 0 0 0	Internal Pull Load Locked Rotor Pull Op (lb-ft2) (lb-ft) (%) (%) 16.80 214 145 105 Design Values									tor
16.80 214 145 105 230 Design Values	16.80 214 145 105 Design Values)						
Design Values	Design Values									
Torque Current		230			105	0	14	214	16.80	
D Load Type -	Synchronous Speed (%)	420 Current (%) 280 140 100		nertia (Ib-ft²)				_		(* 180 120 60 0
	Voltage (%)	100								

All characteristics are average expected values.

TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.								
Engineering	Jrodrigu	Doc. Written By	D. Suarez	Doc.#/Rev	MPCF-1121 / 0			
Engr. Date	8/1/2024	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011			



	Issued Date:
TOSHIBA	Issued By:
Leading Innovation >>>	
	SPARE PARTS LIST*

Model:	0604SDSR42A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps		
60	45	4	1775	364TC	230/460	60	3	136/68		
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)		
TEFC	55	F	1.15	CONT	95.0	В		40 C		
Bearings DE	6314ZC3 / 70	BC03JP3OX								
Bearings NDE	6312ZC3 / 60	3312ZC3 / 60BC03JP3OX								

Date:

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*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 average expected values.									
TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, 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				