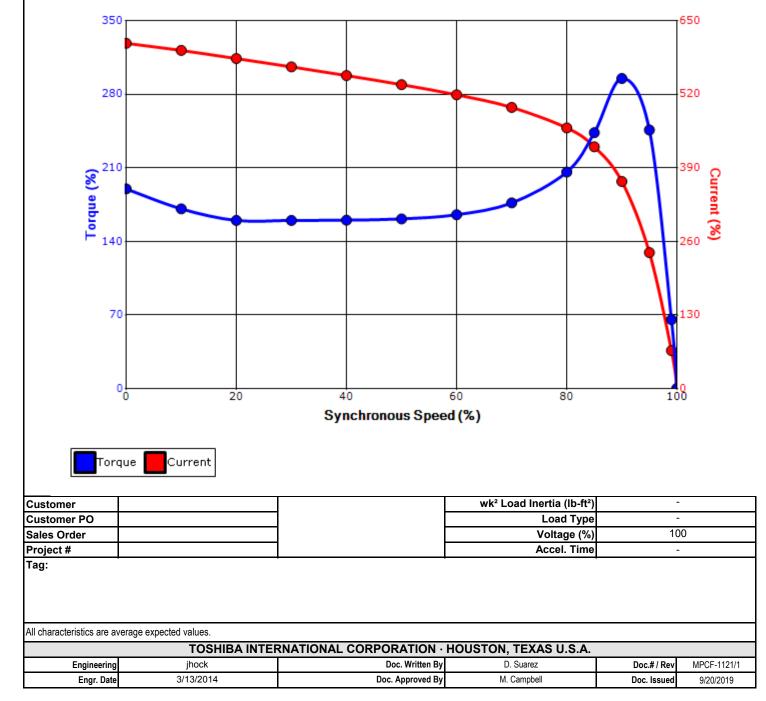


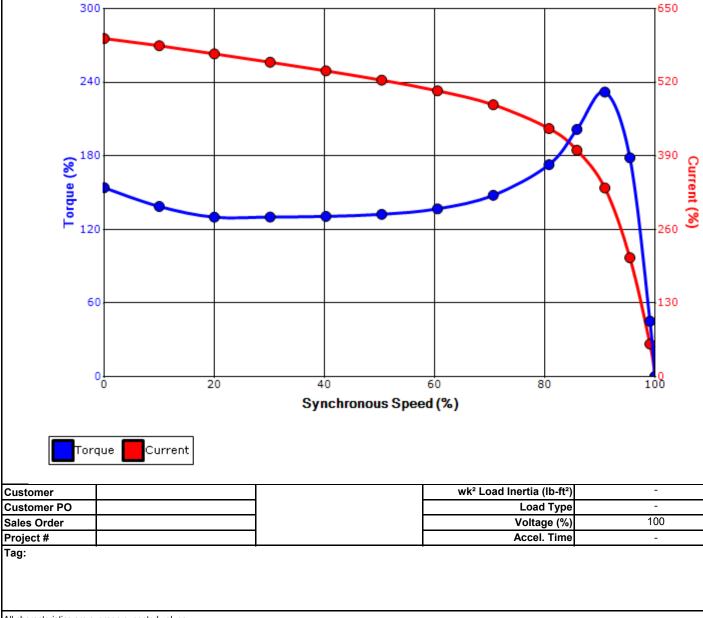
				Incrused Date	12/18/20	10	Tuene ensit #	
				Issued Date Issued By	dschoed	-	Transmit # Issued Rev	
TOS		А		Issued By	uschoed		Issued Rev	
	0254SDSR42A	TYF	PICAL MOTO	R PERFORM	ANCE DATA	L		
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
25	18.5	4	1770	284TC	230/460	60	3	62/31
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA	kVA Code	Ambient (°C)
TEFC	55	F	1.15	CONT	93.6	Design B	G	40 C
· · ·								
Load	HP	kW	Amp	eres	Efficiency	/ (%)	Power Fa	actor (%)
Full Load	25	18.6	31	.0	93.8		83.5	
4 Load	18.75	14.0	23	.8	93.1		80	.5
1/2 Load	12.50	9.3	18	.3	91.4		73	.0
¹ / ₄ Load	6.25	4.7	14		84.0		49	.3
No Load			11				5.	
Locked Rotor		-	18				34	
			T					Determed 2
Full Lo	ad	Looko	Torqu d Rotor	e Pull	Un	Bro	ak Down	Rotor wk ² Inertia
					•	_	-	
(lb-ft)			FLT)	(% F	-	(%	6 FLT)	(lb-ft²)
74.2		19	90	16	35		295	5.23
Safe Stall T	iiiie(3)	Sound		Bearing	s*		Approx, Mo	otor Weight
Safe Stall T Cold	Hot	Pressure dB(A) @ 1M	D	Bearing E	s* NDE		Approx. Mo	otor Weight os)
Cold 35	Hot 15	Pressure dB(A) @ 1M -	D 6310	E		3		os)
Cold 35 *Bearings are the only rea Motor Options: Product Family:EQP	Hot 15 commended spare	Pressure dB(A) @ 1M -		E	NDE	3	(Ik	os)
Cold 35 'Bearings are the only red Motor Options: Product Family:EQP Mounting:C-Face Fo	Hot 15 commended spare	Pressure dB(A) @ 1M -		E	NDE	3	(Ik	os)
Cold 35 *Bearings are the only red Motor Options: Product Family:EQP Mounting:C-Face Fo	Hot 15 commended spare	Pressure dB(A) @ 1M -		E	NDE	3	(Ik	os)
Cold 35 *Bearings are the only red Motor Options: Product Family:EQP Mounting:C-Face Fo Mounting:C-Face Fo	Hot 15 commended spare	Pressure dB(A) @ 1M -		E	NDE	3	(Ik	os)
Cold 35 *Bearings are the only red Motor Options: Product Family:EQP Mounting:C-Face Fo Mounting:C-Face Fo Customer Customer PO Sales Order	Hot 15 commended spare	Pressure dB(A) @ 1M -		E	NDE	3	(Ik	os)
Cold 35 *Bearings are the only rea Motor Options: Product Family:EQP Mounting:C-Face Fo Mounting:C-Face Fo Customer Customer Customer PO Sales Order Project #	Hot 15 commended spare	Pressure dB(A) @ 1M -		E	NDE	3	(Ik	os)
Cold 35 *Bearings are the only red Motor Options: Product Family:EQP Mounting:C-Face Fo Mounting:C-Face Fo Sales Order Project # Tag:	Hot 15 commended spare P Global SD CF boted,Shaft:T S	Pressure dB(A) @ 1M - e part(s). ace Footed haft		E	NDE	3	(Ik	os)
Cold 35 Bearings are the only red Motor Options: Product Family:EQP Mounting:C-Face Fo Mounting:C-Face Fo Sales Order Project # Tag:	Hot 15 commended spare 9 Global SD CF poted,Shaft:T S	Pressure dB(A) @ 1M - e part(s). ace Footed haft	6310	E ZC3	NDE 6310ZC		(Ik	os)
Cold	Hot 15 commended spare ? Global SD CF boted,Shaft:T S	Pressure dB(A) @ 1M - e part(s). ace Footed haft	6310	E	NDE 6310ZC	AS U.S.A.	(Ik	os)

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				Issued By	dschoec	k	Issued Rev	
	0254SDSR42A	TYI	PICAL MOTO	R PERFORM	IANCE DATA			
115	1.347	Data		F	M = 14 =		Dhara	FI A
HP 25	kW 18.5	Pole 4	FL RPM 1460	Frame 284TC	Voltage 190/380	Hz 50	Phase 3	FL Amps 72/36
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.0	CONT	91.7	B	G	40 C
Load	HP	kW	Ampe		Efficiency	(%)	Power Fa	
Full Load	25	18.6	36		93.8		83.	
¾ Load	18.75	14.0	27.	.7	94.4		80.	
½ Load	12.50	9.3	20.		94.2		73.	
1⁄4 Load	6.25	4.7	13.		85.3		60.	
No Load			10.				5.1	
Locked Rotor			21	5			35.	.0
			Torque					Rotor wk ²
Full Lo			d Rotor		l Up		ak Down	Inertia
(lb-ft	-	-	FLT)	-	FLT)	-	% FLT)	(lb-ft²)
89.9	9	1	50	1:	35		230	5.23
Safe Stall	Time(a)	l Quand						
5ale 51all	Time(S)	Sound						
		Pressure		Bearing	IS*		Approx. Mo	tor Weight
Cold	Hot	Pressure dB(A) @ 1M	DI	-	IS* NDE		Approx. Mo (Ib	-
			DI 6310.	E		3		s)
Cold 26 *Bearings are the only re Motor Options:	Hot 13 ecommended spare	dB(A) @ 1M -		E	NDE	3	(Ib	s)
Cold 26 *Bearings are the only re	Hot 13 ecommended spare	dB(A) @ 1M -		E	NDE	3	(Ib	s)
Cold 26 *Bearings are the only re Motor Options: Product Family:EQF	Hot 13 ecommended spare	dB(A) @ 1M -		E	NDE	3	(Ib	s)
Cold 26 *Bearings are the only re Motor Options: Product Family:EQF Mounting:C-Face Fo	Hot 13 ecommended spare	dB(A) @ 1M - e part(s). ace Footed		E	NDE	3	(Ib	s)
Cold 26 *Bearings are the only re Motor Options: Product Family:EQF Mounting:C-Face Fe Mounting:C-Face Fe Customer Customer PO	Hot 13 ecommended spare	dB(A) @ 1M - e part(s). ace Footed		E	NDE	3	(Ib	s)
Cold 26 *Bearings are the only re Motor Options: Product Family:EQF Mounting:C-Face Fo Mounting:C-Face Fo Customer Customer PO Sales Order	Hot 13 ecommended spare	dB(A) @ 1M - e part(s). ace Footed		E	NDE	3	(Ib	s)
Cold 26 *Bearings are the only re Motor Options: Product Family:EQF Mounting:C-Face Fe Mounting:C-Face Fe Customer Customer PO Sales Order Project #	Hot 13 ecommended spare	dB(A) @ 1M - e part(s). ace Footed		E	NDE	3	(Ib	s)
Cold 26 *Bearings are the only re Motor Options: Product Family:EQF Mounting:C-Face Fo Mounting:C-Face Fo Customer Customer PO Sales Order	Hot 13 ecommended spare	dB(A) @ 1M - e part(s). ace Footed		E	NDE	3	(Ib	s)
Cold 26 *Bearings are the only re Motor Options: Product Family:EQF Mounting:C-Face Fe Mounting:C-Face Fe Customer Customer PO Sales Order Project # Tag:	Hot 13 ecommended spare P Global SD CF ooted,Shaft:T S	dB(A) @ 1M -		E	NDE	3	(Ib	s)
Cold 26 *Bearings are the only re Motor Options: Product Family:EQF Mounting:C-Face Fo Mounting:C-Face Fo Customer Customer Customer PO Sales Order Project # Tag:	Hot 13 ecommended spare P Global SD CF ooted,Shaft:T S	dB(A) @ 1M - e part(s). ace Footed haft uues.	6310	E ZC3	NDE 6310ZC:		(Ib	s)
Cold 26 *Bearings are the only re Motor Options: Product Family:EQF Mounting:C-Face Fo Mounting:C-Face Fo Customer Customer Customer PO Sales Order Project # Tag:	Hot 13 ecommended spare P Global SD CF ooted,Shaft:T S	dB(A) @ 1M - e part(s). ace Footed haft uues.	6310	E ZC3	NDE	AS U.S.A.	(Ib	s)
Cold 26 *Bearings are the only re Motor Options: Product Family:EQF Mounting:C-Face Fo Mounting:C-Face Fo Sales Order Project # Tag: All characteristics are av	Hot 13 ecommended spare P Global SD CF ooted,Shaft:T S rerage expected va	dB(A) @ 1M - e part(s). ace Footed haft	6310	E ZC3	NDE 6310ZC:	AS U.S.A.	(lb 51	s)

				Issued Date	12/18/20)19	Transmit #	
		_		Issued By	dschoe	ck	Issued Rev	
TOS Model: <u>02</u>	254SDSR42A-F	SF	PEED TORQ	UE/CURREN	I CURVE			
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
25	18.5	4	1770	284TC	230/460	60	3	62/31
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.15	CONT	93.6	В	G	40 C
	Rotor wk ²			•	Torque			
Locked Rotor	Inertia	Full Load	Locked Rotor		Pull Up		Break Down	
Amps	(lb-ft²)	(lb-ft)	(%)		(%)		(%)	
182	5.23	74.2	190		165		295	



				Issued Date	12/18/20	019	Transmit #	
		_		Issued By	dschoe	ck	Issued Rev	
TOS	SHIB	A SF	PEED TORQ	UE/CURREN	T CURVE			
Model:	0254SDSR42A-I	2						
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
25	18.5	4	1460	284TC	190/380	50	3	72/36
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.0	CONT	91.7	В	G	40 C
	Rotor wk ²	•		•	Torque			
Locked Rotor	Inertia	Full Load	Locked Rotor		Pull Up		Break Down	
Amps	(lb-ft²)	(lb-ft)	(%	()	(%)		(%)	
	5.23	89.9	150		135		230	



Design Values

All characteristics are average expected values.									
TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.									
Engineering	jhock	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121/1				
Engr. Date	3/25/2014	Doc. Approved By	M. Campbell	Doc. Issued	9/20/2019				

