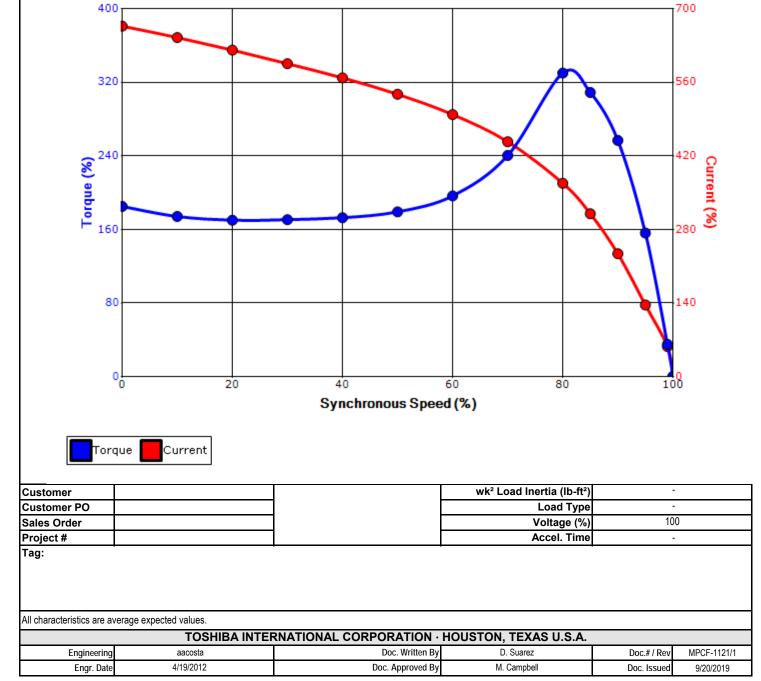


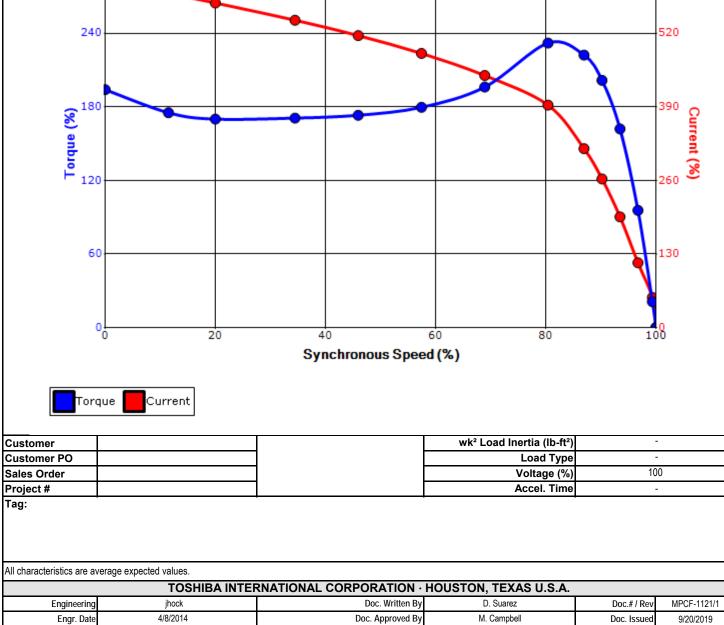
				Issued Date	12/18/2019		Transmit #	
				Issued By	dschoeck		Issued Rev	
TOS	SHIB							
		TYF	PICAL MOTO		IANCE DATA			
Model:	0056SDSR42A-P							
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
5	3.7	6	1160	215TC	230/460	60	3	13.8/6.9
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA	NEMA	kVA Code	Ambient
TEFC	55	F	1.15	CONT	Nom. Eff. 89.5	Design B	J	(°C) 40 C
				••••				
Load	HP	kW	Amperes		Efficiency (%)		Power Fa	actor (%)
Full Load	5	3.7	6.9	9	89.6		78.2	
³ / ₄ Load	3.75	2.8	5.3	3	89.7		73.2	
1/2 Load	2.50	1.9	4.:	3	88.2		63.0	
1/4 Load	1.25	0.9	3.0	6	80.9		39.7	
No Load			3.1	1			5.5	
Locked Rotor		ľ	45.	5			45.	6
		<u> </u>		•				
			Torqu					Rotor wk ²
Full Lo	bad	Locke	d Rotor	Pu	ll Up	Brea	ak Down	Inertia
(lb-fi	(lb-ft)		FLT)	(%	FLT)	(%	6 FLT)	(lb-ft²)
22.6		18	35	1	75		330	1.32
		-		-		-		
Safe Stall	Time(s)	Sound		Bearing	qs*		Approx. Mo	otor Weight
Safe Stall	Time(s) Hot	Pressure		Bearing			Approx. Mo	-
			D	E	NDE		Approx. Mc (Ib	-
		Pressure	D 63082	E				es)
Cold	Hot	Pressure dB(A) @ 1M		E	NDE		(Ib	es)
Cold 35	Hot 15	Pressure dB(A) @ 1M		E	NDE		(Ib	es)
Cold	Hot 15	Pressure dB(A) @ 1M		E	NDE		(Ib	es)
Cold 35 *Bearings are the only re	Hot 15	Pressure dB(A) @ 1M		E	NDE		(Ib	es)
Cold 35 *Bearings are the only re Motor Options:	Hot 15 ecommended spare	Pressure dB(A) @ 1M		E	NDE		(Ib	es)
Cold 35 *Bearings are the only re	Hot 15 ecommended spare	Pressure dB(A) @ 1M		E	NDE		(Ib	es)
Cold 35 *Bearings are the only re Motor Options: Product Family:EQP Glo	Hot 15 ecommended spare	Pressure dB(A) @ 1M		E	NDE		(Ib	es)
Cold 35 *Bearings are the only re Motor Options: Product Family:EQP Glo	Hot 15 ecommended spare	Pressure dB(A) @ 1M		E	NDE		(Ib	es)
Cold 35 *Bearings are the only re Motor Options: Product Family:EQP Glo	Hot 15 ecommended spare	Pressure dB(A) @ 1M		E	NDE		(Ib	es)
Cold 35 *Bearings are the only re Motor Options: Product Family:EQP Glo	Hot 15 ecommended spare	Pressure dB(A) @ 1M		E	NDE		(Ib	es)
Cold 35 *Bearings are the only re Motor Options: Product Family:EQP Glo	Hot 15 ecommended spare	Pressure dB(A) @ 1M		E	NDE		(Ib	es)
Cold 35 *Bearings are the only re Motor Options: Product Family:EQP Glo	Hot 15 ecommended spare	Pressure dB(A) @ 1M		E	NDE		(Ib	es)
Cold 35 *Bearings are the only re Motor Options: Product Family:EQP Glo	Hot 15 ecommended spare	Pressure dB(A) @ 1M		E	NDE		(Ib	es)
Cold 35 *Bearings are the only re Motor Options: Product Family:EQP Glo	Hot 15 ecommended spare	Pressure dB(A) @ 1M		E	NDE		(Ib	es)
Cold 35 *Bearings are the only re Motor Options: Product Family:EQP Glo	Hot 15 ecommended spare	Pressure dB(A) @ 1M		E	NDE		(Ib	es)
Cold 35 *Bearings are the only re Motor Options: Product Family:EQP Glo	Hot 15 ecommended spare	Pressure dB(A) @ 1M		E	NDE		(Ib	es)
Cold 35 *Bearings are the only re Motor Options: Product Family:EQP Gla Mounting:C-Face Foote	Hot 15 ecommended spare	Pressure dB(A) @ 1M		E	NDE		(Ib	es)
Cold 35 *Bearings are the only re Motor Options: Product Family:EQP Glo Mounting:C-Face Foote Mounting:C-Face Foote	Hot 15 ecommended spare	Pressure dB(A) @ 1M		E	NDE		(Ib	es)
Cold 35 *Bearings are the only re Motor Options: Product Family:EQP Glo Mounting:C-Face Foote Mounting:C-Face Foote Customer Customer PO	Hot 15 ecommended spare	Pressure dB(A) @ 1M		E	NDE		(Ib	es)
Cold 35 *Bearings are the only re Motor Options: Product Family:EQP Glo Mounting:C-Face Foote Mounting:C-Face Foote Customer Customer PO Sales Order	Hot 15 ecommended spare	Pressure dB(A) @ 1M		E	NDE		(Ib	es)
Cold 35 *Bearings are the only re Motor Options: Product Family:EQP Glo Mounting:C-Face Foote Mounting:C-Face Foote Customer Customer Customer PO Sales Order Project #	Hot 15 ecommended spare	Pressure dB(A) @ 1M		E	NDE		(Ib	es)
Cold 35 *Bearings are the only re Motor Options: Product Family:EQP Glo Mounting:C-Face Foote Mounting:C-Face Foote Customer Customer PO Sales Order	Hot 15 ecommended spare	Pressure dB(A) @ 1M		E	NDE		(Ib	es)
Cold 35 *Bearings are the only re Motor Options: Product Family:EQP Glo Mounting:C-Face Foote Mounting:C-Face Foote Customer Customer Customer PO Sales Order Project #	Hot 15 ecommended spare	Pressure dB(A) @ 1M		E	NDE		(Ib	es)
Cold 35 *Bearings are the only re Motor Options: Product Family:EQP Glo Mounting:C-Face Foote Mounting:C-Face Foote Customer Customer Customer PO Sales Order Project #	Hot 15 ecommended spare	Pressure dB(A) @ 1M		E	NDE		(Ib	es)
Cold 35 *Bearings are the only re Motor Options: Product Family:EQP Glo Mounting:C-Face Foote Mounting:C-Face Foote Customer Customer PO Sales Order Project # Tag:	Hot 15 ecommended spare obal SD CFace Foo d,Shaft:T Shaft	Pressure dB(A) @ 1M - e part(s).		E	NDE		(Ib	es)
Cold 35 *Bearings are the only re Motor Options: Product Family:EQP Glo Mounting:C-Face Foote Mounting:C-Face Foote Customer Customer Customer PO Sales Order Project #	Hot 15 ecommended spare obal SD CFace Foo d,Shaft:T Shaft	Pressure dB(A) @ 1M e part(s). oted	6308Z	E ZC3	NDE 6308ZZC3		(Ib	s)
Cold 35 *Bearings are the only re Motor Options: Product Family:EQP Glo Mounting:C-Face Foote Mounting:C-Face Foote Customer Customer PO Sales Order Project # Tag:	Hot 15 ecommended spare obal SD CFace Foo d,Shaft:T Shaft	Pressure dB(A) @ 1M - e part(s).	6308Z	E ZC3	NDE 6308ZZC3	AS U.S.A.	(Ib	s)
Cold 35 *Bearings are the only re Motor Options: Product Family:EQP Glo Mounting:C-Face Foote Mounting:C-Face Foote Customer Customer PO Sales Order Project # Tag:	Hot 15 ecommended spare obal SD CFace Foo d,Shaft:T Shaft rerage expected va	Pressure dB(A) @ 1M e part(s). oted	6308Z	E ZC3 DRPORATION - I Doc. Written By	NDE 6308ZZC3	AS U.S.A.	(Ib	s)
Cold 35 *Bearings are the only re Motor Options: Product Family:EQP Glo Mounting:C-Face Foote Mounting:C-Face Foote Customer Customer PO Sales Order Project # Tag: All characteristics are av	Hot 15 ecommended spare obal SD CFace Foo d,Shaft:T Shaft rerage expected va aa	Pressure dB(A) @ 1M e part(s). Deted	6308Z	E ZC3	NDE 6308ZZC3	AS U.S.A.	(lb	s) 7

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TO				Issued By	dschoeck		Issued Rev	
	SHIB	A						
		TYF	PICAL MOTO	R PERFORM	MANCE DATA			
Model:	0056SDSR42A-P							
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
5	3.7	6	955	215TC	190/380	50	3	18.0/9.0
	-	-			NEMA	NEMA	-	Ambient
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Design	kVA Code	(°C)
TEFC	55	F	1.0	CONT	85.5	В	J	40 C
		1 1	A			(0/)	Damas F	
Load Full Load	HP 5	kW 3.7	Amp 9.0		Efficiency (%) 89.7		Power Factor (%) 69.5	
³ ⁄ ₄ Load	3.75	2.8	9.0		90.0		65.3	
¹ / ₂ Load	2.50	1.9	4.7		88.8		56.2	
¹ / ₄ Load	1.25	0.9	3.7		82.6		46.0	
No Load			3.0		02.0		5.	
Locked Rotor	1		55				59.	
								•
		•	Torqu					Rotor wk ²
Full L			d Rotor		III Up		ak Down	Inertia
(lb-l			FLT)	-	FLT)	(%	% FLT)	(lb-ft²)
27.5)	19	90	1	175		230	1.32
Safe Stall	Time(s)	Sound		Deseries				
			Pressure					
Cold	Hot	Pressure		Dearm	ys			otor Weight
Cold	Hot	Pressure dB(A) @ 1M	D		ys NDE		(Ib	
Cold 30	Hot 20		DI 6308ZZ	E	-			es)
		dB(A) @ 1M		E	NDE		(16	es)
30	20	dB(A) @ 1M		E	NDE		(16	es)
	20	dB(A) @ 1M		E	NDE		(16	es)
30 *Bearings are the only r	20	dB(A) @ 1M		E	NDE		(16	es)
30 *Bearings are the only r Motor Options: Product Family:EQP G	20 recommended spare	dB(A) @ 1M		E	NDE		(16	es)
30 *Bearings are the only r	20 recommended spare	dB(A) @ 1M		E	NDE		(16	es)
30 *Bearings are the only r Motor Options: Product Family:EQP G	20 recommended spare	dB(A) @ 1M		E	NDE		(16	es)
30 *Bearings are the only r Motor Options: Product Family:EQP G	20 recommended spare	dB(A) @ 1M		E	NDE		(16	es)
30 *Bearings are the only r Motor Options: Product Family:EQP G	20 recommended spare	dB(A) @ 1M		E	NDE		(16	es)
30 *Bearings are the only r Motor Options: Product Family:EQP G	20 recommended spare	dB(A) @ 1M		E	NDE		(16	es)
30 *Bearings are the only r Motor Options: Product Family:EQP G	20 recommended spare	dB(A) @ 1M		E	NDE		(16	es)
30 *Bearings are the only r Motor Options: Product Family:EQP G	20 recommended spare	dB(A) @ 1M		E	NDE		(16	es)
30 *Bearings are the only r Motor Options: Product Family:EQP G	20 recommended spare	dB(A) @ 1M		E	NDE		(16	es)
30 *Bearings are the only r Motor Options: Product Family:EQP G	20 recommended spare	dB(A) @ 1M		E	NDE		(16	es)
30 *Bearings are the only r Motor Options: Product Family:EQP G	20 recommended spare	dB(A) @ 1M		E	NDE		(16	es)
30 *Bearings are the only r Motor Options: Product Family:EQP G	20 recommended spare	dB(A) @ 1M		E	NDE		(16	es)
30 *Bearings are the only r Motor Options: Product Family:EQP GI Mounting:C-Face Foote	20 recommended spare	dB(A) @ 1M		E	NDE		(16	es)
30 *Bearings are the only r Motor Options: Product Family:EQP GI Mounting:C-Face Foote Customer Customer PO Sales Order	20 recommended spare	dB(A) @ 1M		E	NDE		(16	es)
30 *Bearings are the only r Motor Options: Product Family:EQP G Mounting:C-Face Foote Customer Customer PO Sales Order Project #	20 recommended spare	dB(A) @ 1M		E	NDE		(16	es)
30 *Bearings are the only r Motor Options: Product Family:EQP GI Mounting:C-Face Foote Customer Customer PO Sales Order	20 recommended spare	dB(A) @ 1M		E	NDE		(16	es)
30 *Bearings are the only r Motor Options: Product Family:EQP G Mounting:C-Face Foote Customer Customer PO Sales Order Project #	20 recommended spare	dB(A) @ 1M		E	NDE		(16	es)
30 *Bearings are the only r Motor Options: Product Family:EQP G Mounting:C-Face Foote Customer Customer PO Sales Order Project #	20 recommended spare	dB(A) @ 1M		E	NDE		(16	es)
30 *Bearings are the only r Motor Options: Product Family:EQP G Mounting:C-Face Foote Customer Customer PO Sales Order Project #	20 recommended spare	dB(A) @ 1M		E	NDE		(16	os)
30 *Bearings are the only r Motor Options: Product Family:EQP G Mounting:C-Face Foote Customer Customer PO Sales Order Project #	20 ecommended spare lobal SD CFace Foo ed,Shaft:T Shaft	dB(A) @ 1M		E	NDE		(16	os)
30 *Bearings are the only r Motor Options: Product Family:EQP Gi Mounting:C-Face Foote Customer Customer PO Sales Order Project # Tag:	20 ecommended spare lobal SD CFace Foo ed,Shaft:T Shaft	dB(A) @ 1M - e part(s). ted	6308ZZ	E	NDE		(16	os)
30 *Bearings are the only r Motor Options: Product Family:EQP Gi Mounting:C-Face Foote Customer Customer PO Sales Order Project # Tag:	20 ecommended spare lobal SD CFace Foo ed,Shaft:T Shaft	dB(A) @ 1M - e part(s). ted	6308ZZ	E	NDE 6308ZZC3		(16	os)
30 *Bearings are the only r Motor Options: Product Family:EQP G Mounting:C-Face Foote Customer Customer Customer PO Sales Order Project # Tag: All characteristics are a	20 recommended spare lobal SD CFace Foo ed,Shaft:T Shaft	dB(A) @ 1M 	6308ZZ	E 2C3	NDE 6308ZZC3		(Ib)	PS) 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8

				Issued Date	12/18/201	9	Transmit #	
		-		Issued By	dschoeck	(Issued Rev	
	OU56SDSR42A-P	A SI	PEED TORQ	UE/CURREN	T CURVE			
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
5	3.7	6	1160	215TC	230/460	60	3	13.8/6.9
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.15	CONT	89.5	В	J	40 C
	Rotor wk ²				Torque			
Locked Rotor Amps	Inertia	Full Load	Locked Rotor		Pull Up		Break Down	
	(lb-ft²)	(lb-ft)	(%)		(%)		(%)	
45.5	1.32	22.6	185		175		330	
			De	sign Valu	es			



			Issued Date	12/18/201	9	Transmit #		
			Issued By	dschoecl	k	Issued Rev		
0056SDSR42A-P	S	PEED TORQ	UE/CURREN	T CURVE				
kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps	
3.7	6	955	215TC	190/380	50	3	18.0/9.0	
IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)	
55	F	1.0	CONT	85.5	В	J	40 C	
Rotor wk ²			Torque					
Inertia	Full Load	Locked Rotor		Pull Up		Break Down		
(lb-ft²)	(lb-ft)	(%	b)	(%)		(%)		
1.32	27.5	190		175		230		
		De	sign Valu	es			650	
	0056SDSR42A-P kW 3.7 IP 55 Rotor wk ² Inertia (Ib-ft ²) 1.32	kWPole3.76IPIns. Class55FRotor wk² Inertia (Ib-ft²)Full Load (Ib-ft)1.3227.5	SPEED TORQ 0056SDSR42A-P Pole FL RPM 3.7 6 955 IP Ins. Class S.F. 55 F 1.0 Rotor wk² Full Load Locked (Ib-ft²) (Ib-ft) (% 1.32 27.5 190	Issued By Issued By SPEED TORQUE/CURREN 0056SDSR42A-P KW Pole FL RPM Frame 3.7 6 955 215TC IP Ins. Class S.F. Duty 55 F 1.0 CONT Rotor wk² Full Load Locked Rotor (%) 1.32 27.5 190 Design Value	Issued By dschoed SHIBA SPEED TORQUE/CURRENT CURVE 0056SDSR42A-P kW Pole FL RPM Frame Voltage 3.7 6 955 215TC 190/380 IP Ins. Class S.F. Duty NEMA 55 F 1.0 CONT 85.5 Rotor wk² Torque Inertia Full Load Locked Rotor Pull U (lb-ft²) (lb-ft) (%) (%) 175	Issued By dschoeck Issued By dschoeck SPEED TORQUE/CURRENT CURVE 0056SDSR42A-P Pole FL RPM Frame Voltage Hz 3.7 6 955 215TC 190/380 50 IP Ins. Class S.F. Duty NEMA Nom. Eff. Design 55 F 1.0 CONT 85.5 B Rotor wk² Torque Inertia Full Load Locked Rotor Pull Up (lb-ft') (lb-ft) (%) 175 175	Nationalist Issued By dschoeck Issued Rev SPEED TORQUE/CURRENT CURVE 0056SDSR42A-P kW Pole FL RPM Frame Voltage Hz Phase 3.7 6 955 215TC 190/380 50 3 IP Ins. Class S.F. Duty NEMA NEMA Design kVA Code 55 F 1.0 CONT 85.5 B J Rotor wk² Torque Inertia Locked Rotor Pull Up Break (Ib-ft') (Ib-ft) (%) (%) (%) 1.32 27.5 190 175 23	



Doc. Approved By

Doc. Issued

9/20/2019

Engr. Date

