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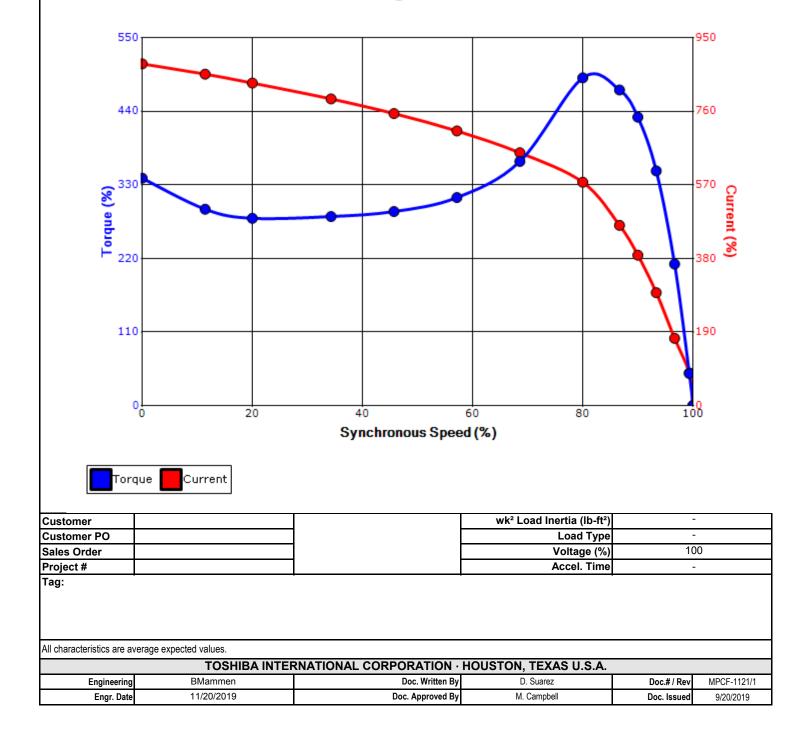
SD

OTALLY ENCLOS	ED FAN COOLED	DRAWING #: I	MDSLV003-	-01			
FOOTED C	C-FACED	REV. DATE:	06/20/18	REV. #:	5	PER.: M. O'DOWD	
3 PHASE INDUC	3 PHASE INDUCTION MOTOR						
143TC-145TC	F1 ASSEMBLY						

				Le sur el Dete	40/40/00	10	T	
				Issued Date Issued By	12/18/20 dschoe	-	Transmit # Issued Rev	
TOS		А		Issued by	uschoe	CK	Issued Rev	
	0014SDSR424	TYF	PICAL MOTO	R PERFORM	ANCE DATA	N		
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
1	0.75	4	1760	143TC	230/460	60	3	3.2/1.6
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	М	40 C
Load	HP	kW	Ampe	eres	Efficiency	(%)	Power Factor (%)	
Full Load	1	0.7	1.0		86.1		67	.5
¼ Load	0.75	0.6	1.4	4	84.3		58	.9
1/2 Load	0.50	0.4	1.2	2	79.5		46	.4
¼ Load	0.25	0.2	1.1		66.5		29	
No Load			1.1				7.	
Locked Rotor		-	13.				65	
			Torque	9				Rotor wk ²
Full Lo	ad	Locker	d Rotor	Pull	Up	Brea	ak Down	Inertia
(lb-ft			FLT)	(% F	•		% FLT)	(lb-ft²)
2.98			40	29	-	-	490	0.11
Sate Stall	lime(s)	Sound						
Safe Stall T Cold	Hot	Pressure		Bearing				otor Weight
Cold	Hot	Pressure dB(A) @ 1M	DI	- 	NDE		(Ib	os)
Cold 35	Hot 15	dB(A) @ 1M -	DI 63052	- 				os)
Cold 35 Bearings are the only re Motor Options: Product Family:EQP	Hot 15 commended spare	dB(A) @ 1M - e part(s). ace Footed		- 	NDE		(Ib	os)
Cold 35 Bearings are the only re Motor Options: Product Family:EQP Mounting:C-Face Fo	Hot 15 commended spare	dB(A) @ 1M - e part(s). ace Footed		- 	NDE		(Ib	os)
Cold 35 Bearings are the only re Motor Options: Product Family:EQP Mounting:C-Face Fo	Hot 15 commended spare	dB(A) @ 1M - e part(s). ace Footed		- 	NDE		(Ib	os)
Cold 35 Bearings are the only re Motor Options: Product Family:EQP Mounting:C-Face Fo Mounting:C-Face Fo	Hot 15 commended spare	dB(A) @ 1M - e part(s). ace Footed		- 	NDE		(Ib	os)
Cold 35 Bearings are the only re Motor Options: Product Family:EQP Mounting:C-Face Fo Mounting:C-Face Fo Customer Customer PO Sales Order	Hot 15 commended spare	dB(A) @ 1M - e part(s). ace Footed		- 	NDE		(Ib	os)
Cold 35 Bearings are the only re Motor Options: Product Family:EQP Mounting:C-Face Fo Mounting:C-Face Fo Customer Customer Customer PO Sales Order Project #	Hot 15 commended spare	dB(A) @ 1M - e part(s). ace Footed		- 	NDE		(Ib	os)
Cold 35 Bearings are the only re 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 poted,Shaft:T S	dB(A) @ 1M - a part(s). ace Footed haft		- 	NDE		(Ib	os)
Cold 35 Bearings are the only re 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 poted,Shaft:T S	dB(A) @ 1M - a part(s). ace Footed haft	63052	E IZC3	NDE 6305ZZ	C3	(Ib	os)
Cold	Hot 15 commended spare P Global SD CF boted,Shaft:T S	dB(A) @ 1M - e part(s). ace Footed haft	63052	E	NDE 6305ZZ	C3	(Ib	os)

				Issued Date	12/18/20	19	Transmit #	
		_		Issued By	dschoe	-	Issued Rev	
TOS	0014SDSR42/	TYF	PICAL MOTO	R PERFORM	ANCE DATA	l.		
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
1	0.75	4	1450	143TC	190/380	50	3	3.6/1.8
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.0	CONT	84	В	Ν	40 C
oad	HP	kW	Атр		Efficiency	/ (%)	Power Fa	
Full Load	1	0.7	1.		86.1		68	
4 Load	0.75	0.6	1.		85.3		60	
2 Load	0.50	0.4	1.		84.2		48	
4 Load	0.25	0.2	0.		71.8		40	
No Load Locked Rotor		-	1. 1:				8. 85	
P		1 1	Torqu	e Pull		D	ak Daura	Rotor wi Inertia
Full Lo (lb-fi			d Rotor FLT)	Puii (% F	-		ak Down ⁄₀ FLT)	
3.62	-		75	(% F	-	(7	320	(lb-ft²) 0.11
Safe Stall	Time(s)	Sound		Bearing	s*		Approx. Mo	otor Weight
Cold	Hot	Sound Pressure dB(A) @ 1M	D 6305/	E	NDE	23	Approx. Mo (Ib	s)
Cold 26 Bearings are the only re	Hot 21	Pressure dB(A) @ 1M	D 63052	E		C3		s)
Cold 26 Bearings are the only re Motor Options: Product Family:EQF	Hot 21 ecommended spar	Pressure dB(A) @ 1M - e part(s).		E	NDE	23	(Ib	s)
Cold 26 Bearings are the only re Motor Options: Product Family:EQF Mounting:C-Face Fo	Hot 21 ecommended spar	Pressure dB(A) @ 1M - e part(s).		E	NDE	C3	(Ib	s)
Cold 26 Bearings are the only re Notor Options: Product Family:EQF Mounting:C-Face Fo	Hot 21 ecommended spar	Pressure dB(A) @ 1M - e part(s).		E	NDE	C3	(Ib	s)
Cold 26 Bearings are the only re Motor Options: Product Family:EQF Mounting:C-Face Fo Mounting:C-Face Fo Customer	Hot 21 ecommended spar	Pressure dB(A) @ 1M - e part(s).		E	NDE	23	(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 21 ecommended spar	Pressure dB(A) @ 1M - e part(s).		E	NDE	23	(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 #	Hot 21 ecommended spar	Pressure dB(A) @ 1M - e part(s).		E	NDE	C3	(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:	Hot 21 ecommended spar P Global SD CF poted,Shaft:T S	Pressure dB(A) @ 1M - e part(s). Face Footed shaft		E	NDE	 C3	(Ib	s)
Cold 26 Bearings are the only re Product Family:EQF Mounting:C-Face For Mounting:C-Face For Sales Order Project # Tag:	Hot 21 ecommended spar P Global SD CF poted,Shaft:T S	Pressure dB(A) @ 1M - e part(s). Face Footed shaft	63052	E ZZC3	NDE 6305ZZ		(Ib	s)
Cold 26	Hot 21 ecommended spar P Global SD CF poted,Shaft:T S	Pressure dB(A) @ 1M - e part(s). Face Footed thaft	63052	E ZZC3	NDE 6305ZZ	AS U.S.A.	(Ib	s)

				Issued Date	12/18/20)19	Transmit #	
		_		Issued By	dschoeck		Issued Rev	
TOS	SHIB	A SI	PEED TORQ	UE/CURREN	T CURVE			
Model:	0014SDSR42A-I	P						
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
1	0.75	4	1760	143TC	230/460	60	3	3.2/1.6
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	М	40 C
Lashad Batan	Rotor wk ²			•	Torque			
Locked Rotor Amps	Inertia (Ib-ft²)	Full Load (lb-ft)	Locked (%			Break Down (%)		
13.8	0.11	2.98					0	
10.0	0.11	2.90		sign Valu				0



			Issued Date	12/18/20	019	Transmit #	
	Issued By			dschoe	ck	Issued Rev	
	SF		UE/CURREN	T CURVE			
kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
0.75	4	1450	143TC	190/380	50	3	3.6/1.8
IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
55	F	1.0	CONT	84	В	Ν	40 C
Rotor wk ²	•		•	Torque			
Inertia	Full Load	Locked	Rotor	Pull U	р	Break	Down
(lb-ft²)	(lb-ft)	(%			(%)		
0.11	3.62				320		
		De	sign Valu	es			
	0014SDSR42A-1 kW 0.75 IP 55 Rotor wk ² Inertia (Ib-ft ²)	0014SDSR42A-PkWPole0.754IPIns. Class55FRotor wk²Full LoadInertiaFull Load(lb-ft²)(lb-ft)	SPEED TORQI 0014SDSR42A-P kW Pole FL RPM 0.75 4 1450 IP Ins. Class S.F. 55 F 1.0 Rotor wk² Full Load Locked (lb-ft²) (lb-ft) (% 0.11 3.62 275	Issued By Issued By SPEED TORQUE/CURRENT 0014SDSR42A-P KW Pole FL RPM Frame 0.75 4 1450 143TC IP Ins. Class S.F. Duty 55 F 1.0 CONT Rotor wk² Full Load Locked Rotor (%) 0.11 3.62 275 275	Issued By dschoe Issued By dschoe SPEED TORQUE/CURRENT CURVE 0014SDSR42A-P kW Pole FL RPM Frame Voltage 0.75 4 1450 143TC 190/380 IP Ins. Class S.F. Duty NEMA Nom. Eff. 55 F 1.0 CONT 84 Rotor wk² Inertia Full Load Locked Rotor Pull U (lb-ft') (lb-ft) (%) (%)	Issued By dschoeck Issued By dschoeck SPEED TORQUE/CURRENT CURVE 0014SDSR42A-P kW Pole FL RPM Frame Voltage Hz 0.75 4 1450 143TC 190/380 50 IP Ins. Class S.F. Duty NEMA Nom. Eff. Design 55 F 1.0 CONT 84 B Rotor wk² Torque Inertia Full Load Locked Rotor Pull Up (lb-ft') (lb-ft) (%) (%) 235	KW Pole FL RPM Frame Voltage Hz Phase 0.75 4 1450 143TC 190/380 50 3 IP Ins. Class S.F. Duty NEMA Nom. Eff. NEMA Design KVA Code 55 F 1.0 CONT 84 B N Rotor wk² Torque Inertia Full Load Locked Rotor Pull Up Break I ((b-ft²) (/b-ft) (%) (%) (%) 32

