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 DRAWING #:
 MDSLV005-07

 REV. DATE:
 07/11/18
 REV. #:
 3

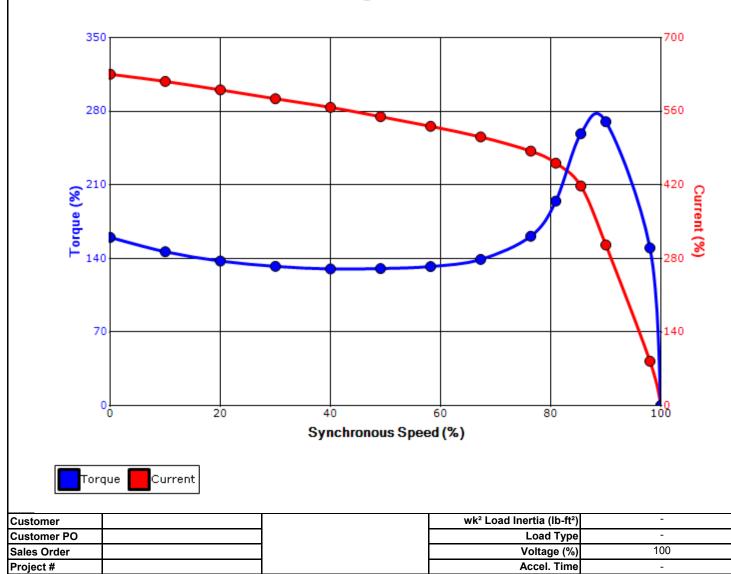
 YUMW.toshiba.com/tic
 3 PHASE INDUCTION MOTOR
 REV. DATE:
 07/11/18

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 364TC-365TC
 F1 ASSEMBLY

				Issued Date	12/18/20	19	Transmit #	
		_		Issued By	dschoe	ck	Issued Rev	
	0604SDSR424	TYF	PICAL MOTO	R PERFORM	ANCE DATA			
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
60	45	4	1775	364TC	230/460	60	3	138/69
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.15	CONT	95	В	G	40 C
_oad	HP	kW	Amp	eres	Efficiency	r (%)	Power Fa	actor (%)
Full Load	60	44.7	69		95.1		87	
¾ Load	45.00	33.6	52		94.6		85	
1/2 Load	30.00	22.4	38		93.3		81	
¼ Load	15.00	11.2	26		87.9		59	
No Load			20				4.	
Locked Rotor			43				27	.0
			Torqu					Rotor wk ²
Full Lo			d Rotor	Pul	-		ak Down	Inertia
(lb-f	t)	(%	FLT)	(% F	FLT)	(%	6 FLT)	(lb-ft²)
178	3	10	60	13	35		270	16.80
Safe Stall		Sound Pressure		Bearing			Approx. Mo	
Cold 35	Hot 15	Pressure dB(A) @ 1M	DI 6314	E	s* NDE 6312ZC	3	Approx. Mc (Ib 92	s)
Cold 35 Bearings are the only n Motor Options: Product Family:EQ	Hot 15 ecommended spare	Pressure dB(A) @ 1M -		E	NDE	3	(Ib	s)
Cold 35 Bearings are the only r Motor Options: Product Family:EQ Mounting:C-Face F	Hot 15 ecommended spare	Pressure dB(A) @ 1M -		E	NDE	3	(Ib	s)
Cold 35 Bearings are the only re Motor Options: Product Family:EQ Mounting:C-Face F Mounting:C-Face F	Hot 15 ecommended spare	Pressure dB(A) @ 1M -		E	NDE	3	(Ib	s)
Cold 35 Bearings are the only m Notor Options: Product Family:EQ Mounting:C-Face F Mounting:C-Face F	Hot 15 ecommended spare	Pressure dB(A) @ 1M -		E	NDE	3	(Ib	s)
Cold 35 Bearings are the only m Motor Options: Product Family:EQ Mounting:C-Face F Mounting:C-Face F Customer Customer PO Sales Order Project #	Hot 15 ecommended spare	Pressure dB(A) @ 1M -		E	NDE	3	(Ib	s)
Cold 35 Bearings are the only re Motor Options: Product Family:EQ Mounting:C-Face F Mounting:C-Face F Customer Customer PO Sales Order Project # Tag:	Hot 15 ecommended spare P Global SD CF ooted,Shaft:T S	Pressure dB(A) @ 1M - e part(s). ace Footed haft	6314	E ZC3	NDE 6312ZC		(Ib	s)
Cold 35 Bearings are the only re Motor Options: Product Family:EQ Mounting:C-Face F Mounting:C-Face F Customer Customer PO Sales Order Project # Tag:	Hot 15 ecommended spare P Global SD CF ooted,Shaft:T S	Pressure dB(A) @ 1M - e part(s). ace Footed haft	6314	E ZC3	NDE 6312ZC	AS U.S.A.	(Ib	s)
Cold	Hot 15 ecommended spare P Global SD CF ooted,Shaft:T S rerage expected va	Pressure dB(A) @ 1M - e part(s). ace Footed haft	6314	E ZC3	NDE 6312ZC	AS U.S.A.	(Ib	s)

Issued By dschoeck Issued Rev TYPICAL MOTOR PERFORMANCE DATA Model: 0604SDSR42A-P Frame Voltage Hz Phase 60 45 4 1470 364TC 190/380 50 3 Enclosure IP Ins. Class S.F. Duty NEMA Nom. Eff. Design kVA Code TEFC 55 F 1.0 CONT 94.1 B G Load 460 44.7 84.0 94.8 86.7 Ya Load 45.00 33.6 63.3 95.5 85.7 Ya Load 45.00 11.2 29.5 89.1 64.1 No Load 15.0 11.2 29.5 28.3 28.3 Va Load Locked Rotor 515 28.3 28.3 Va Load Locked Rotor 515 28.3 28.3 Torque Full Load Locked Rotor 29.1 19.3 4.2		T uo u o uo 14 #	10	10/10/20	Jacova d Data				-
Linescal Linescal Linescal YPICAL MOTOR PERFORMANCE DATA Mode:		Transmit #			Issued Date				
HP KW Pole FLRPM Frame Voltage Hz Phase 60 45 4 1470 364TC 190380 50 3 Enclosure IP Ins. Class S.F. Duty NEMA NEMA KVA Code TEFC 55 F 1.0 CONT 94.1 B G Load HP KW Amperes Efficiency (%) Power Faa % Load 45.00 33.6 63.3 96.5 86.5 % Load 45.00 33.6 63.3 96.5 86.5 % Load 15.00 11.2 20.5 80.1 64.1 No Load 19.3 4.2 2.8 2.0 2.6 Coader Rotor 516 22.0 2.0 2.0 2.0 2.0 Full Load Locked Rotor Pull Up Break Down (% FLT) (% FLT) 2.0 2.0 Codd Hot dB(A) (g 1M DE <th></th> <th></th> <th></th> <th></th> <th>-</th> <th>PICAL MOTO</th> <th>TYI</th> <th></th> <th></th>					-	PICAL MOTO	TYI		
60 45 4 1470 364TC 190/360 50 3 Enclosure IP Ins. Class S.F. Duty NEMA NemA NEMA NemA KMA Code TEFC 55 F 1.0 CONT 94.1 B G Load HP KW Ampores Efficiency (%) Power Far Fuil Load 60 44.7 84.0 94.8 66.1 Vi.Load 30.00 22.4 44.9 95.5 85.1 Vi.Load 30.00 22.4 44.9 95.5 85.1 No Load 11.2 29.5 89.1 64.1 No Load 15.0 11.2 29.5 29.5 Locked Rotor Torque (% FLT) (% FLT) (% FLT) 29.5 Safe Stall Time(s) Sound Pressure Bearings* Approx. Mot Cold Hot Pressure DE NDE (the 23 9 - 631							Р	0604SDSR42A-	Model:
60 45 4 1470 364TC 190/380 50 3 Enclosure IP Ins. Class S.F. Duty NEMA Nom. Eff. NEMA Design KVA Code TEFC 55 F 1.0 CONT 94.1 B G Load HP KW Amperes Efficiency (%) Power Far Full Load 60 44.7 84.0 94.8 86.6 80.4 ½ Load 30.00 22.4 44.9 95.6 80.4 42.2 Locked Rotor 11.2 29.5 89.1 64.1 28.5 28.5 V Load 15.0 11.2 29.5 89.1 64.2 20.5 V Load 15.0 11.2 29.5 28.0 28.5 28.5 V Load 15.0 12.2 29.5 28.0 28.5 28.5 V Load Locked Rotor FUI Up Break Down (% FLT) (% FLT) 20.1 20.1 <tr< th=""><th>FL Amps</th><th>Phase</th><th>Hz</th><th>Voltage</th><th>Frame</th><th>FL RPM</th><th>Pole</th><th>kW</th><th>HP</th></tr<>	FL Amps	Phase	Hz	Voltage	Frame	FL RPM	Pole	kW	HP
Enclosure IP Ins. Class S.F. Duty Nom. Eff. Design KVA Code TEFC 55 F 1.0 CONT 94.1 B G Load HP KW Amperes Efficiency (%) Power Far Full Load 60 44.7 84.0 94.8 86.5 % Load 45.00 33.6 63.3 95.5 86.7 % Load 15.00 11.2 29.5 89.1 64.1 No Load 11.2 19.3 44.2 28.5 Locked Rotor 515 28.5 29.1 24.2 Locked Rotor 140 125 220 20 Safe Stall Time(a) Sound Pressure Bearings* Approx. Mot Cold Hot dB(A) @ 1M DE NDE (lbs 23 9 - 63142C3 63122C3 924 *Bearings are the only recommended spare part(s). Motor Options: Frode dB(A) @ 14 DE </td <td>168/84</td> <td>3</td> <td>50</td> <td></td> <td>364TC</td> <td>1470</td> <td>4</td> <td>45</td> <td>60</td>	168/84	3	50		364TC	1470	4	45	60
Load HP KW Amperes Efficiency (%) Power Fail Viclad 60 44.7 84.0 94.8 85.6 Viclad 30.00 22.4 44.9 95.5 86.7 Viclad 10.00 11.2 29.5 80.1 64.1 No Load 10.00 11.2 29.5 80.1 64.1 No Load 19.3 4.2 26.6 80.4 42.2 Locked Rotor 515 28.5 28.5 28.5 Full Load Locked Rotor Pull Up Break Down (% FLT) (% FLT) 28.5 Cold Hot (% FLT) (% FLT) (% FLT) (% FLT) (% FLT) (% FLT) 20.0 20.0 20.0 20.0 22.0 20.0	Ambient (°C)	kVA Code			Duty	S.F.	Ins. Class	IP	Enclosure
Full Load 60 44.7 84.0 94.8 86.4 % Load 45.00 33.6 63.3 95.5 85.7 % Load 30.00 22.4 44.9 95.6 80.0 % Load 15.00 11.2 29.5 89.1 64.3 No Load 19.3 42.2 28.5 28.6 28.6 Locked Rotor 515 28.5 28.6 28.6 Fuil Load Locked Rotor Pull Up Break Down (lb-ft) (% FLT) (% FLT) (% FLT) (% FLT) 214 140 125 220 20 Safe Stall Time(s) Sound Pressure dB(A) @ 1M DE NDE (lbs 23 9 - 6314ZC3 6312ZC3 924 'Bearings are the only recommended spare part(s). Motor Options: Product Family-EOP Global SD CFace Fooled Mounting:C-Face Fooled, Shaft:T Shaft Shaft Stalt Shaft Stalt Shaft Stalt Shaft Stalt Shaft Stalt	40 C	G	В	94.1	CONT	1.0	F	55	TEFC
% Load 45.00 33.6 63.3 95.5 85. % Load 30.00 22.4 44.9 95.6 80.0 No Load 15.00 11.2 29.5 89.1 64.1 No Load 19.3 4.2 44.9 95.6 80.1 Locked Rotor 515 28.1 42.2 28.5 28.1 Locked Rotor 515 28.1 28.1 28.1 Cold Locked Rotor Pull Up Break Down (% FLT) (% FLT) 28.1 214 140 125 220	ctor (%)	Power Fa	(%)	Efficiency	eres	Ampe	kW	HP	Load
Stoad 30.00 22.4 44.9 96.6 80.4 ½ Load 15.00 11.2 29.5 89.1 64.7 No Load 19.3 4.2 28.5 28.1 64.7 Locked Rotor 515 28.1 64.7 28.1 4.2 Locked Rotor 515 28.1 4.2 28.1 28.1 28.1 Torque Torque Fuil Load Locked Rotor Pull Up Break Down (% FLT) (% FLT) (% FLT) 28.1 14.0 125 220 1 Safe Stall Time(s) Sound Pressure Bearings* Approx. Mot Cold Hot dB(A) @ 1M DE NDE (bs 23 9 - 6314ZC3 6312ZC3 924 "Bearings are the only recommended spare part(s). Motor Options: Product Family-EQP Global SD CFace Fooled Wounting C-Face Fooled_Shaft T Shaft Shaft T Shaft Customer Descred									
Valued 15.00 11.2 29.5 89.1 64.1 No Load 19.3 4.2 4.2 4.2 4.2 Locked Rotor 515 28.5 28.5 28.5 28.5 Torque Torque Full Load Locked Rotor Will Up Break Down (% FLT) (% FLT) <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
No Load Locked Rotor 19.3 4.2 Locked Rotor 515 28.3 Full Load Locked Rotor Pull Up Break Down (Ib-ft) (% FLT) (% FLT) (% FLT) 214 140 125 220 Safe Stall Time(s) Sound Pressure dB(A) @ 1M Bearings* Approx. Mot (lbs 23 9 - 6314ZC3 6312ZC3 924 'Bearings are the only recommended spare part(s). Motor Options: Product Family:EOP Global SD CFace Footed Mounting:C-Face Footed,Shaft:T Shaft Motor Options: Sales Order Footed Safe Staft The footed Shaft:T Shaft Safe Staft The footed Shaft:T Shaft Safe Staft The footed Shaft:T Shaft Safe Staft Safe Staft									
Locked Rotor 515 28.0 Torque Full Load Locked Rotor Pull Up Break Down (lb-ft) (% FLT) (% FLT) (% FLT) 214 140 125 220 Safe Stall Time(s) Sound Pressure dB(A) @ 1M Bearings* Approx. Mot (lbs 23 9 - 6314ZC3 6312ZC3 924 "Bearings are the only recommended spare part(s). Motor Options: Product Fanily:EQP Global SD CFace Footed Mounting:C-Face Footed.Shaft:T Shaft Motor Options: Footed.Shaft:T Shaft Customer Customer PO Sales Order Project if Project if Project if		-		89.1			11.2	15.00	
Torque Full Load (lb-ft) Locked Rotor (% FLT) Pull Up (% FLT) Break Down (% FLT) 214 140 125 220 Safe Stall Time(s) Sound Pressure dB(A) @ 1M Bearings* Approx. Mot (bs 23 9 - 6314ZC3 6312ZC3 924 ***********************************									
Full Load (b-ft) Locked Rotor (% FLT) Pull Up (% FLT) Break Down (% FLT) 214 140 125 220 Safe Stall Time(s) Sound Pressure dB(A) @ 1M Bearings* Approx. Mot (tbs 23 9 - 6314ZC3 6312ZC3 924 "Bearings are the only recommended spare part(s). Motor Options: Product Family:EQP Global SD CFace Footed Mounting:C-Face Footed,Shaft:T Shaft Customer Customer PO Sales Order Project #									
(Ib-ft) (% FLT) (% FLT) (% FLT) (% FLT) 214 140 125 220 Safe Stall Time(s) Sound Pressure dB(A) @ 1M Bearings* Approx. Mot (tbs 23 9 - 6314ZC3 6312ZC3 924 *Bearings are the only recommended spare part(s). 6314ZC3 6312ZC3 924 Motor Options: Product Family:EQP Global SD CFace Footed Mounting:C-Face Footed,Shaft:T Shaft Customer Qustomer PO	Rotor wk ²					-			
214 140 125 220 Safe Stall Time(s) Sound Pressure dB(A) @ 1M Bearings* Approx. Mot (tbs 23 23 9 - 6314ZC3 6312ZC3 924 *Bearings are the only recommended spare part(s). Motor Options: Product Family:EQP Global SD CFace Footed Mounting:C-Face Footed,Shaft:T Shaft Customer Customer PO Sales Order Project #	Inertia			-					
Safe Stall Time(s) Sound Pressure dB(A) @ 1M Bearings* Approx. Mot (Ibs 23 23 9 - 6314ZC3 6312ZC3 924 'Bearings are the only recommended spare part(s). Motor Options: Product Family:EQP Global SD CFace Footed Mounting:C-Face Footed,Shaft:T Shaft Customer Customer Customer PO Sales Order Project #	(lb-ft²) 16.80	-	-	-				-	
Bearings are the only recommended spare part(s). Motor Options: Product Family:EQP Global SD CFace Footed Mounting:C-Face Footed,Shaft:T Shaft Customer Customer Customer Customer PO Sales Order Project #	-	Approx. Motor Weight (Ibs)		Pressure Bearings					
Motor Options: Product Family:EQP Global SD CFace Footed Mounting:C-Face Footed,Shaft:T Shaft	924		3	6312ZC	ZC3	63142	-	9	23
Customer PO Sales Order Project #							ce Footed	P Global SD CFa	Motor Options: Product Family:EQ
Customer PO Sales Order Project #									Questioner
Sales Order Project #									
Project #									
All characteristics are average expected values.							es.	erage expected valu	All characteristics are av
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Engineering jhock Doc. Written By D. Suarez Doc.# / Rev	MPCF-1119/1	Doc.#/Rev		D. Suarez			ock	jho	Engineering
Engr. Date 4/1/2014 Doc. Approved By M. Campbell Doc. Issued	9/20/2019	Doc. Issued	ell -	M. Campbe	Doc. Approved By		2014	4/1/2	Engr. Date

				Issued Date	12/18/20	019	Transmit #	
		_		Issued By	dschoe	ck	Issued Rev	
TUS	SHIB	A SF	PEED TORQ	UE/CURREN	T CURVE			
Model:	0604SDSR42A-I	>						
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
60	45	4	1775	364TC	230/460	60	3	138/69
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.15	CONT	95	В	G	40 C
	Rotor wk ²	Torque						
Locked Rotor Amps	Inertia Full Load (Ib-ft ²) (Ib-ft)		Locked Rotor (%)		Pull U (%)	Pull Up (%)		Down)
	16.80	178	16	0	135		270	

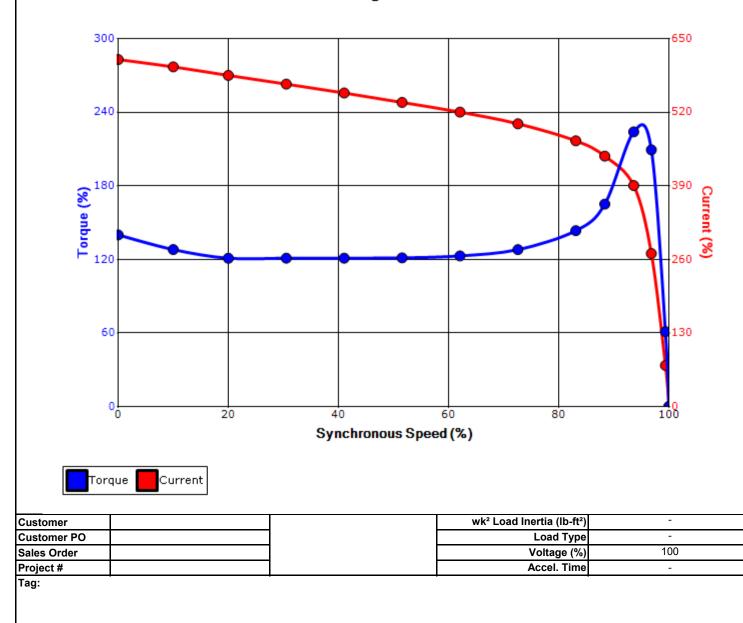


Design Values

All characteristics are average expected values.								
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Engineering	jhock	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121/1			
Engr. Date	3/28/2014	Doc. Approved By	M. Campbell	Doc. Issued	9/20/2019			

Tag:

				Issued Date	12/18/20	019	Transmit #	
		_		Issued By	dschoe	ck	Issued Rev	
	SHIB	SI	PEED TORQ	UE/CURREN	T CURVE			
Model:	0604SDSR42A-F	5						
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
60	45	4	1470	364TC	190/380	50	3	168/84
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.0	CONT	94.1	В	G	40 C
	Rotor wk ²	•			Torque			
Locked Rotor	Inertia	Full Load	Locked	Rotor	Pull Up		Break Down	
Amps	(lb-ft²)	(lb-ft)	(%	b)	(%)		(%)	
	16.80	214	140		125		220	



Design Values

All characteristics are av	verage expected values.							
	TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.							
Engineering	jhock	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121/1			
Engr. Date	4/1/2014	Doc. Approved By	M. Campbell	Doc. Issued	9/20/2019			

