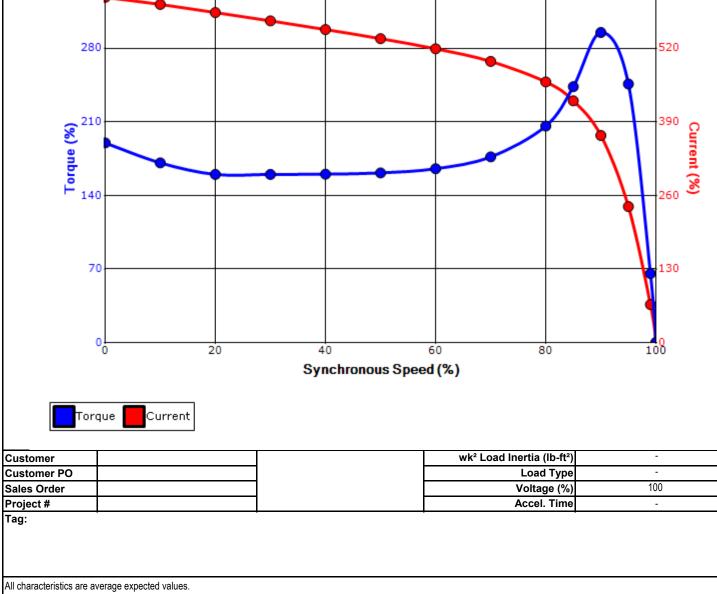


UNITS: INCHES		NOTES:	
ROTATION FROM NDE		1. MAIN CONDUIT BOX MAY BE ROTATED IN 90° II	NCREMENTS
		2. STANDARD PRODUCT USES BI-DIRECTIONAL FAN. OPPOS AVAILABLE ONLY BY CONNECTION CHANGE.	SITE ROTATION
		3. KEY DIMENSIONS EQUAL 0.375'x 0.375'x 1.88'	(MOTOR SUPPLIED WITH KEY)
TOSHIBA RESERVES THE RIGHT TO MAKE CHANGES OF TECHN	NICAL IMPROVEMENT AND THE DATA MAY CHANGE	WITHOUT NOTICE	PRELIMINARY
DO NOT USE FOR CONSTRUCTION, INSTALLATION, OR APPLICAT	ION PURPOSES UNLESS THE DRAWING IS MARKED A	AS CERTIFIED	X CERTIFIED
	TOTALLY ENCLOSED FAN COOLED	DRAWING #: MDSLV002-05	
	HORIZONTAL FOOT MOUNTED	REV. DATE: 07/05/18 REV. #: 0	PER.: M. O'DOWD
www.toshiba.com/tic	3 PHASE INDUCTION MOTOR	REV. DESCRIP.:	
TOSHIBA INTERNATIONAL CORPORATION	284TS-286TS F1 ASSEMBLY		

				Issued Date	12/18/2019		Transmit #	
				Issued By	dschoeck		Issued Rev	
	SHIE							
		TYF	PICAL MOTO	R PERFORM	ANCE DATA			
Model:	0254SDSR41B-P	1						
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
25	18.5	4	1770	284TS	230/460	60	3	62/31
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA	NEMA	kVA Code	Ambient
			4 4 5	-	Nom. Eff.	Design		(°C) 40 C
TEFC	55	F	1.15	CONT	93.6	В	G	40 C
Load	HP	kW	Ampo	eres	Efficiency	(%)	Power Fa	octor (%)
Full Load	25	18.6	31.0		93.8	(70)	83.	
³ / ₄ Load	18.75	14.0	23.		93.1		80.	
¹ / ₂ Load	12.50	9.3	18.		91.4		73.	
¹ / ₂ Load	6.25	4.7	10.		84.0		49.	
No Load			11.		01.0		5.6	
Locked Rotor			182				34.	
Looked Hotor								•
			Torque	9				Rotor wk ²
Full Lo	bad	Locke	d Rotor		l Up	Bre	ak Down	Inertia
(lb-f	t)	(%)	FLT)	(%	FLT)	(%	6 FLT)	(lb-ft²)
74.2	-	19		16	65		295	5.23
		•		•		•		
Safe Stall	Time(s)	Sound		Bearing	s*		Approx. Mo	tor Weight
		Pressure		Bearing			Approx. Mo	•
Safe Stall	Time(s) Hot		DI		s* NDE		Approx. Mo (Ib	•
		Pressure	DI 6310Z	E				s)
Cold	Hot	Pressure		E	NDE		(Ib	s)
Cold 35	Hot 15	Pressure dB(A) @ 1M		E	NDE		(Ib	s)
Cold	Hot 15	Pressure dB(A) @ 1M		E	NDE		(Ib	s)
Cold 35 *Bearings are the only re	Hot 15	Pressure dB(A) @ 1M		E	NDE		(Ib	s)
Cold 35 *Bearings are the only re Motor Options:	Hot 15 ecommended spare	Pressure dB(A) @ 1M		E	NDE		(Ib	s)
Cold 35 *Bearings are the only re Motor Options: Product Family:EQP Glo	Hot 15 ecommended spare	Pressure dB(A) @ 1M		E	NDE		(Ib	s)
Cold 35 *Bearings are the only re Motor Options:	Hot 15 ecommended spare	Pressure dB(A) @ 1M		E	NDE		(Ib	s)
Cold 35 *Bearings are the only re Motor Options: Product Family:EQP Glo	Hot 15 ecommended spare	Pressure dB(A) @ 1M		E	NDE		(Ib	s)
Cold 35 *Bearings are the only re Motor Options: Product Family:EQP Glo	Hot 15 ecommended spare	Pressure dB(A) @ 1M		E	NDE		(Ib	s)
Cold 35 *Bearings are the only re Motor Options: Product Family:EQP Glo	Hot 15 ecommended spare	Pressure dB(A) @ 1M		E	NDE		(Ib	s)
Cold 35 *Bearings are the only re Motor Options: Product Family:EQP Glo	Hot 15 ecommended spare	Pressure dB(A) @ 1M		E	NDE		(Ib	s)
Cold 35 *Bearings are the only re Motor Options: Product Family:EQP Glo	Hot 15 ecommended spare	Pressure dB(A) @ 1M		E	NDE		(Ib	s)
Cold 35 *Bearings are the only re Motor Options: Product Family:EQP Glo	Hot 15 ecommended spare	Pressure dB(A) @ 1M		E	NDE		(Ib	s)
Cold 35 *Bearings are the only re Motor Options: Product Family:EQP Glo	Hot 15 ecommended spare	Pressure dB(A) @ 1M		E	NDE		(Ib	s)
Cold 35 *Bearings are the only re Motor Options: Product Family:EQP Glo	Hot 15 ecommended spare	Pressure dB(A) @ 1M		E	NDE		(Ib	s)
Cold 35 *Bearings are the only re Motor Options: Product Family:EQP Glo	Hot 15 ecommended spare	Pressure dB(A) @ 1M		E	NDE		(Ib	s)
Cold 35 *Bearings are the only re Motor Options: Product Family:EQP Gla Mounting:Footed,Shaft:	Hot 15 ecommended spare	Pressure dB(A) @ 1M		E	NDE		(Ib	s)
Cold 35 *Bearings are the only re Motor Options: Product Family:EQP Gle Mounting:Footed,Shaft: Customer	Hot 15 ecommended spare	Pressure dB(A) @ 1M		E	NDE		(Ib	s)
Cold 35 *Bearings are the only re Motor Options: Product Family:EQP Gle Mounting:Footed,Shaft: Mounting:Footed,Shaft: Customer Customer PO	Hot 15 ecommended spare	Pressure dB(A) @ 1M		E	NDE		(Ib	s)
Cold 35 *Bearings are the only re Motor Options: Product Family:EQP Gle Mounting:Footed,Shaft: Customer Customer Customer PO Sales Order	Hot 15 ecommended spare	Pressure dB(A) @ 1M		E	NDE		(Ib	s)
Cold 35 *Bearings are the only re Motor Options: Product Family:EQP Gle Mounting:Footed,Shaft: Customer Customer Customer PO Sales Order Project #	Hot 15 ecommended spare	Pressure dB(A) @ 1M		E	NDE		(Ib	s)
Cold 35 *Bearings are the only re Motor Options: Product Family:EQP Gle Mounting:Footed,Shaft: Customer Customer Customer PO Sales Order	Hot 15 ecommended spare	Pressure dB(A) @ 1M		E	NDE		(Ib	s)
Cold 35 *Bearings are the only re Motor Options: Product Family:EQP Gle Mounting:Footed,Shaft: Customer Customer Customer PO Sales Order Project #	Hot 15 ecommended spare	Pressure dB(A) @ 1M		E	NDE		(Ib	s)
Cold 35 *Bearings are the only re Motor Options: Product Family:EQP Gle Mounting:Footed,Shaft: Customer Customer Customer PO Sales Order Project #	Hot 15 ecommended spare	Pressure dB(A) @ 1M		E	NDE		(Ib	s)
Cold 35 *Bearings are the only re Motor Options: Product Family:EQP Gle Mounting:Footed,Shaft: Customer Customer Customer PO Sales Order Project # Tag:	Hot 15 ecommended spare obal SD TS Shaft	Pressure dB(A) @ 1M e part(s).		E	NDE		(Ib	s)
Cold 35 *Bearings are the only re Motor Options: Product Family:EQP Gle Mounting:Footed,Shaft: Customer Customer Customer PO Sales Order Project #	Hot 15 ecommended spare obal SD TS Shaft	Pressure dB(A) @ 1M e part(s).	6310Z	E C3	NDE 6310ZC3		(Ib	s)
Cold 35 *Bearings are the only re Motor Options: Product Family:EQP Gle Mounting:Footed,Shaft: Customer Customer Customer PO Sales Order Project # Tag: All characteristics are av	Hot 15 ecommended spare obal SD TS Shaft	Pressure dB(A) @ 1M e part(s).	6310Z	E C3	NDE 6310ZC3		(lb 49)	s)
Cold 35 *Bearings are the only re Motor Options: Product Family:EQP Gle Mounting:Footed,Shaft: Customer Customer Customer PO Sales Order Project # Tag:	Hot 15 ecommended spare obal SD TS Shaft rerage expected va	Pressure dB(A) @ 1M e part(s).	6310Z	E C3	NDE 6310ZC3		(Ib	s)

				Issued Date	12/18/2019		Transmit #	
				Issued By	dschoeck		Issued Rev	
	SHIB							
		ТҮ			IANCE DATA			
Model:	0254SDSR41B-P							
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
25	18.5	4	1460	284TS	190/380	50	3	72/36
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA	NEMA	kVA Code	Ambient
Eliciosure	IF	IIIS. CIdSS	З.Г.	Duty	Nom. Eff.	Design	KVA Code	(°C)
TEFC	55	F	1.0	CONT	91.7	В	G	40 C
		-						
Load	HP	kW	Amp		Efficiency	(%)	Power Fa	
Full Load	25	18.6	36		93.8		83.	
³ / ₄ Load	18.75	14.0	27		94.4		80.	
1/2 Load	12.50	9.3	20		94.2		73.4	
1/4 Load	6.25	4.7	13		85.3		60.	
No Load			10				5.1	
Locked Rotor			21	5			35.	0
			Torqu	0				Rotor wk ²
Full Lo	oad	Locke	d Rotor		ll Up	Bro	ak Down	Inertia
(lb-f			FLT)		FLT)	-	6 FLT)	(lb-ft²)
89.9		15			35	-	230	5.23
00.0			50		55		200	0.20
Safe Stall	Time(s)	Sound						
Safe Stall		Sound Pressure		Bearing	js*		Approx. Mo	tor Weight
Safe Stall Cold	Time(s) Hot		D		gs* NDE		Approx. Mo (Ib	-
Cold	Hot	Pressure		E	NDE		(Ib	s)
		Pressure	D 63102	E				s)
Cold 26	Hot 13	Pressure dB(A) @ 1M		E	NDE		(Ib	s)
Cold	Hot 13	Pressure dB(A) @ 1M		E	NDE		(Ib	s)
Cold 26 *Bearings are the only re	Hot 13	Pressure dB(A) @ 1M		E	NDE		(Ib	s)
Cold 26 *Bearings are the only re Motor Options:	Hot 13 ecommended spare	Pressure dB(A) @ 1M		E	NDE		(Ib	s)
Cold 26 *Bearings are the only re Motor Options: Product Family:EQP Gl	Hot 13 ecommended spare obal SD	Pressure dB(A) @ 1M		E	NDE		(Ib	s)
Cold 26 *Bearings are the only re Motor Options:	Hot 13 ecommended spare obal SD	Pressure dB(A) @ 1M		E	NDE		(Ib	s)
Cold 26 *Bearings are the only re Motor Options: Product Family:EQP Gl	Hot 13 ecommended spare obal SD	Pressure dB(A) @ 1M		E	NDE		(Ib	s)
Cold 26 *Bearings are the only re Motor Options: Product Family:EQP Gl	Hot 13 ecommended spare obal SD	Pressure dB(A) @ 1M		E	NDE		(Ib	s)
Cold 26 *Bearings are the only re Motor Options: Product Family:EQP Gl	Hot 13 ecommended spare obal SD	Pressure dB(A) @ 1M		E	NDE		(Ib	s)
Cold 26 *Bearings are the only re Motor Options: Product Family:EQP Gl	Hot 13 ecommended spare obal SD	Pressure dB(A) @ 1M		E	NDE		(Ib	s)
Cold 26 *Bearings are the only re Motor Options: Product Family:EQP Gl	Hot 13 ecommended spare obal SD	Pressure dB(A) @ 1M		E	NDE		(Ib	s)
Cold 26 *Bearings are the only re Motor Options: Product Family:EQP Gl	Hot 13 ecommended spare obal SD	Pressure dB(A) @ 1M		E	NDE		(Ib	s)
Cold 26 *Bearings are the only re Motor Options: Product Family:EQP Gl	Hot 13 ecommended spare obal SD	Pressure dB(A) @ 1M		E	NDE		(Ib	s)
Cold 26 *Bearings are the only re Motor Options: Product Family:EQP Gl	Hot 13 ecommended spare obal SD	Pressure dB(A) @ 1M		E	NDE		(Ib	s)
Cold 26 *Bearings are the only re Motor Options: Product Family:EQP Gl	Hot 13 ecommended spare obal SD	Pressure dB(A) @ 1M		E	NDE		(Ib	s)
Cold 26 *Bearings are the only re Motor Options: Product Family:EQP GI Mounting:Footed,Shaft:	Hot 13 ecommended spare obal SD	Pressure dB(A) @ 1M		E	NDE		(Ib	s)
Cold 26 *Bearings are the only re Motor Options: Product Family:EQP GI Mounting:Footed,Shaft:	Hot 13 ecommended spare obal SD	Pressure dB(A) @ 1M		E	NDE		(Ib	s)
Cold 26 *Bearings are the only re Motor Options: Product Family:EQP GI Mounting:Footed,Shaft: Mounting:Footed,Shaft: Customer Customer PO	Hot 13 ecommended spare obal SD	Pressure dB(A) @ 1M		E	NDE		(Ib	s)
Cold 26 *Bearings are the only re Motor Options: Product Family:EQP GI Mounting:Footed,Shaft: Mounting:Footed,Shaft: Customer Customer PO Sales Order	Hot 13 ecommended spare obal SD	Pressure dB(A) @ 1M		E	NDE		(Ib	s)
Cold 26 *Bearings are the only re Motor Options: Product Family:EQP GI Mounting:Footed,Shaft: Customer Customer Customer PO Sales Order Project #	Hot 13 ecommended spare obal SD	Pressure dB(A) @ 1M		E	NDE		(Ib	s)
Cold 26 *Bearings are the only re Motor Options: Product Family:EQP GI Mounting:Footed,Shaft: Mounting:Footed,Shaft: Customer Customer PO Sales Order	Hot 13 ecommended spare obal SD	Pressure dB(A) @ 1M		E	NDE		(Ib	s)
Cold 26 *Bearings are the only re Motor Options: Product Family:EQP GI Mounting:Footed,Shaft: Customer Customer Customer PO Sales Order Project #	Hot 13 ecommended spare obal SD	Pressure dB(A) @ 1M		E	NDE		(Ib	s)
Cold 26 *Bearings are the only re Motor Options: Product Family:EQP GI Mounting:Footed,Shaft: Customer Customer Customer PO Sales Order Project #	Hot 13 ecommended spare obal SD	Pressure dB(A) @ 1M		E	NDE		(Ib	s)
Cold 26 *Bearings are the only re Motor Options: Product Family:EQP GI Mounting:Footed,Shaft: Customer Customer Customer PO Sales Order Project # Tag:	Hot 13 ecommended spare obal SD TS Shaft	Pressure dB(A) @ 1M		E	NDE		(Ib	s)
Cold 26 *Bearings are the only re Motor Options: Product Family:EQP GI Mounting:Footed,Shaft: Customer Customer Customer PO Sales Order Project #	Hot 13 ecommended spare obal SD TS Shaft	Pressure dB(A) @ 1M e part(s).	63102	E [] [] [] [] [] [] [] [] [] [NDE 6310ZC3		(Ib	s)
Cold 26 *Bearings are the only re Motor Options: Product Family:EQP GI Mounting:Footed,Shaft: Customer Customer Customer PO Sales Order Project # Tag: All characteristics are av	Hot 13 ecommended spare obal SD TS Shaft verage expected va	Pressure dB(A) @ 1M e part(s). e part(s).	63102	E ZC3	NDE 6310ZC3		(lb 49)	s)
Cold 26 *Bearings are the only re Motor Options: Product Family:EQP GI Mounting:Footed,Shaft: Customer Customer Customer PO Sales Order Project # Tag:	Hot 13 ecommended spare obal SD TS Shaft verage expected va	Pressure dB(A) @ 1M e part(s).	63102	E [] [] [] [] [] [] [] [] [] [NDE 6310ZC3		(Ib	s)

				Issued Date	12/18/201	9	Transmit #	
		-		Issued By	dschoec	k	Issued Rev	
	O254SDSR41B-P	S	PEED TORQ	UE/CURREN	T CURVE			
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
25	18.5	4	1770	284TS	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
Locked Rotor	Rotor wk ²	· · · ·		•	Torque			
Amps	Inertia	Full Load	Locked	Locked Rotor Pull Up (%) (%)		Pull Up		Down
Allips	(lb-ft²)	(lb-ft)	(%				(%)	
182	5.23	74.2	190)	295			
35(0		De	sign Valu	es			650



The 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	Engr. Date 3/13/2014 Doc. Approved By M. Campbell Doc. Issued 9/20/2019										

				Issued Date	12/18/2019	9	Transmit #	
		_		Issued By	dschoeck		Issued Rev	
	O254SDSR41B-P	S	PEED TORQ	UE/CURREN	T CURVE			
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
25	18.5	4	1460	284TS	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	d Locked Rotor		Pull Up		Break Down	
Amps	(lb-ft²)	(lb-ft)	(%)		(%)		(%)	
215	5.23	89.9 150 135					230	
			De	sign Valu	es			

