

JNITS: INCHES		NOTES:	
ROTATION FROM NDE		1. MAIN CONDUIT BOX MAY BE ROTATED IN 90° IN	NCREMENTS
		2. STANDARD PRODUCT USES BI-DIRECTIONAL FAN. OPPOS AVAILABLE ONLY BY CONNECTION CHANGE.	SITE ROTATION
		3. KEY DIMENSIONS EQUAL 0.500"x 0.500"x 3.88"	(MOTOR SUPPLIED WITH KEY)
OSHIBA 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	S CERTIFIED	X CERTIFIED
	TOTALLY ENCLOSED FAN COOLED	DRAWING #: MDSLV001-06	
	HORIZONTAL FOOT MOUNTED	REV. DATE: 07/09/18 REV. #: 2	PER.: M. O'DOWD
www.toshiba.com/tic	<b>3 PHASE INDUCTION MOTOR</b>	REV. DESCRIP.:	
<b>FOSHIBA INTERNATIONAL CORPORATION</b>	324T-326T F1 ASSEMBLY		



				Issued Date	7/10/2023	)	I ransmit #	
TOSH	IBA			Issued By	dschoeck		Issued Rev	
Leading Inn	iovation 222							
					ANCE DATA			
Model	0404SDSR41A-I	0						
MOUEI.	04043D3R4TA-	-						
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
40	30	4	1775	324T	230/460	60	3	96/48
					NEMA	NEMA		Ambient
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Design	kVA Code	(°C)
TEFC	55	F	1.15	CONT	94.1	B	G	40 C
		1 1	-				-	
oad	HP	kW	Ampe	eres	Efficiency	' (%)	Power Fa	ictor (%)
ull Load	40.00	29.8	48	}	94.1		85.	4
4 Load	30.00	22.4	37		93.4		82.	9
2 Load	20.00	14.9	28		91.6		76.	
Load	10.00	7.5	21		84.9		52.	0
o Load			15.					
ocked Rotor	-		28	9			29.	4
			Torque				I	Rotor wk <sup>2</sup>
Full L	oad	Locked			l Up	Bro	ak Down	Inertia
(lb-		(% F			FLT)		6 FLT)	(lb-ft²)
	-	18			55	(/	275	9.80
	•						210	0.00
Safe Stall		Sound Pressure		Bearing	IS*		Approx. Mo	tor Weight
Cold	Hot	dB(A) @ 1M	DE	Ξ	NDE		(lb	s)
35	15	-	6312Z	C3	6312ZC3		60	2
	-							
Bearings are the only	recommended spar	re part(s).						
<b>Notor Options:</b> Product Family:EQP G								
Product Family:EQP G Mounting:Footed,Shaft	ilobal SD							
viounting.rooted,Snan								
ustomer								
Sustomer PO								
ales Order	1							
roject #								
ag:	1							

7/18/2023

Transmit #

All characteristics are average expected values. TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A. Engineering jhock Doc. Written By D. Suarez Doc.# / Rev MPCF-1119 / 0 3/17/2014 Doc. Approved By Engr. Date M. Campbell Doc. Issued 6/8/2011



		Issued Date	7/18/202	3	Transmit #	
		Issued By	dschoec		Issued Rev	
ТҮР		R PERFORM	ANCE DATA			
•	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
	1470	324T	190/380	50	3	114/57
ISS	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
	1.0	CONT	93.0	-	F	40 C
	Amp	eres	Efficienc	y (%)	Power Fa	ictor (%)
	<b>Amp</b> 5		Efficienc 93.0	y (%)	<b>Power Fa</b> 85.	
		7		y (%)		9
	5	7 3	93.0	y (%)	85.	9 7
	5	7 3 1	93.0 94.3	y (%)	85. 84.	9 7 0
	5 4 3 2 15	7 3 1 0 .7	93.0 94.3 94.6	y (%)	85. 84. 80. 63.	9 7 0 3
 	5 4 3 2	7 3 1 0	93.0 94.3 94.6	y (%)	85. 84. 80.	9 7 0
	5 4 3 2	7 3 1 0 .7 8	93.0 94.3 94.6	y (%)	85. 84. 80.	9 7 0 3

Model: 0404SDSR41A-P

kW

30

IP

55

Pole

4

Ins. Class

F

HP

40

Enclosure

TEFC

oad	HP	kW	Amperes	Efficiency (%)	Power F	actor (%)
ull Load	40.00	29.8	57	93.0	8	5.9
4 Load	30.00	22.4	43	94.3	8	4.7
2 Load	20.00	14.9	31	94.6	8	0.0
4 Load	10.00	7.5	20	86.1	6	3.3
No Load			15.7			
ocked Rotor			318		2	6.6
			Torque			Rotor w
Full Lo		Locked Ro		Pull Up	Break Down	Inertia
(lb-f		(% FLT)		(% FLT)	(% FLT)	(lb-ft²)
143		140		135	225	9.80
Safe Stall Cold	Time(s) Hot	Sound Pressure dB(A) @ 1M	Bear DE	Bearings* DE NDE		otor Weight bs)
			6312ZC3	6312ZC3		02
35	15	-				
35 Bearings are the only re <b>Motor Options:</b> Product Family:EQP Gl Mounting:Footed,Shaft:	obal SD					
Bearings are the only re Motor Options: Product Family:EQP Gl	ecommended spar					
Bearings are the only re <b>Notor Options:</b> Product Family:EQP GI Nounting:Footed,Shaft:	ecommended spar					
Bearings are the only re <b>Notor Options:</b> Product Family:EQP GI Nounting:Footed,Shaft: <b>Customer</b>	ecommended spar					
Bearings are the only re <b>Notor Options:</b> Product Family:EQP GI Mounting:Footed,Shaft: Customer Customer PO	ecommended spar					
Bearings are the only re <b>Notor Options:</b> Product Family:EQP Gl Mounting:Footed,Shaft: Customer Customer PO Sales Order	ecommended spar					
Bearings are the only re <b>Notor Options:</b> Product Family:EQP Gl Nounting:Footed,Shaft: Customer Customer PO Sales Order Project #	ecommended spar					
Bearings are the only re <b>Notor Options:</b> Product Family:EQP Gl Nounting:Footed,Shaft: <b>Customer</b> <b>Customer PO</b> Sales Order Project # Tag:	ecommended spar	re part(s).				
Bearings are the only re Aotor Options: Product Family:EQP GI Mounting:Footed,Shaft: Customer Customer PO Sales Order Project # Fag:	ecommended spar	re part(s).	TIONAL CORPORATION	· HOUSTON, TEXAS U.S	5.A.	
Bearings are the only re Motor Options: Product Family:EQP Gl	ecommended spar obal SD T Shaft	re part(s).			S.A. Doc.#/Re	( MPCF-1119



HP

40

Enclosure TEFC

Locked Rotor

Amps

289

Customer Customer PO Sales Order Project # Tag:

				Issued Date	7/18/2023	)	Transmit #	
SHI	BA			Issued By	dschoeck		Issued Rev	
Inno	0404SDSR41A-P	SF	PEED TORQ	UE/CURREN	T CURVE			
		Dela I				I 11-	Dises	<b>E</b> 1 <b>A</b>
	<b>kW</b> 30	Pole 4	FL RPM 1775	<b>Frame</b> 324T	<b>Voltage</b> 230/460	<b>Hz</b> 60	Phase 3	FL Amps 96/48
re	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
	55	F	1.15	CONT	94.1	B	G	40 C
4.0.11	Rotor wk <sup>2</sup>				Torque			
tor	Inertia	Full Load	Locked	Rotor	Pull U	o	Break I	Down
	(lb-ft <sup>2</sup> )	(lb-ft)	(%	6)	(%)		(%	)
	9.80	118	18		155		275	
							50	50
210 140 70 0	_	20	40 Synch	6 ronous Speed		80		20 Current (%) 30
140 70 0	_	_			(%)		4 28 108	20 Current (%) 30
140 70 0	_	_			(%)	nertia (Ib-ft²)		20 Current (%) 30
140 70 0	_	_			(%)		4: 2: 1: 1: 1: 1: 0:0	20 Current (%) 30

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 / 0		
Engr. Date	3/17/2014	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011		



HP

40

Enclosure

TEFC

Locked Rotor

Amps

318

Model: 0404SDSR41A-P

kW

30

IP

55

Rotor wk<sup>2</sup>

Inertia

(lb-ft<sup>2</sup>)

9.80

Pole

4

Ins. Class

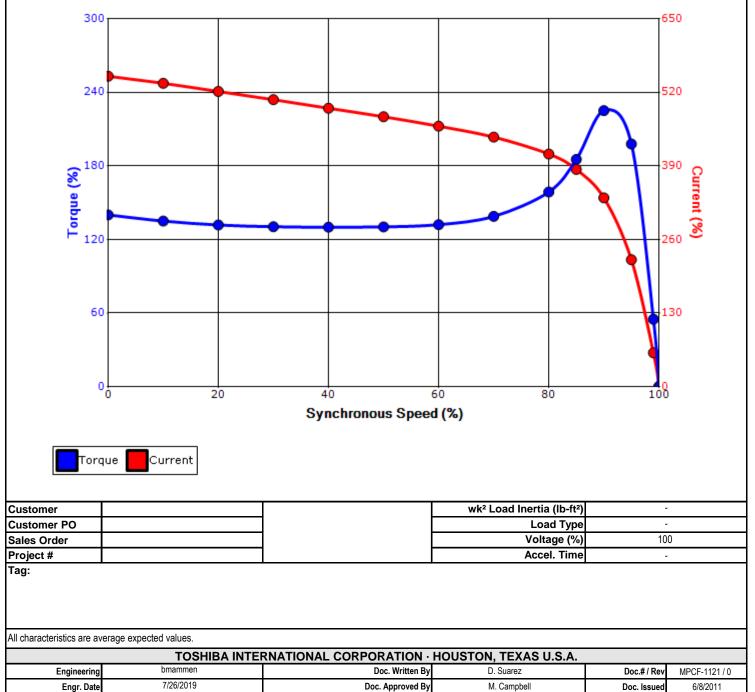
F

Full Load

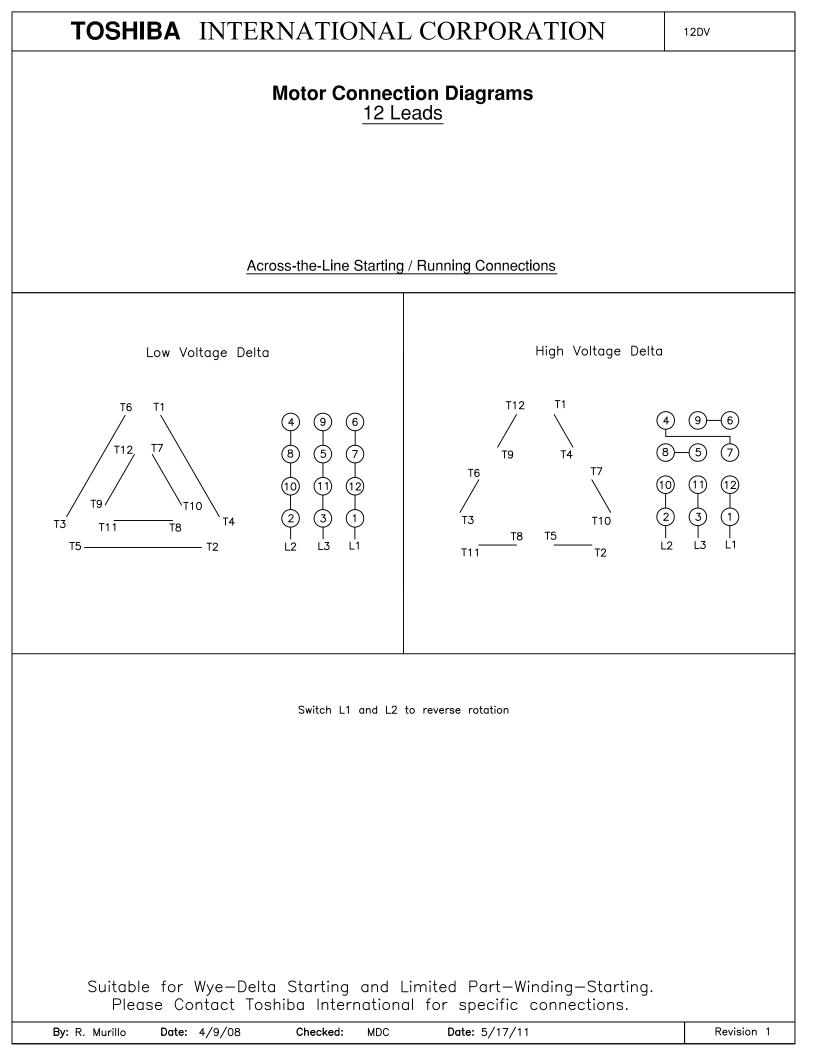
(lb-ft)

143

		Issued Date	7/18/2023		Transmit #	
		Issued By	dschoeck		Issued Rev	
SI	PEED TORQ	UE/CURREN	IT CURVE			
	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
	1470	324T	190/380	50	3	114/57
;	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
	1.0	CONT	93.0	-	F	40 C
			Torque			
	Locked		Pull Up	)	Break	
	(%		(%)		(%	-
	140	0	135		22	5
	Des	sign Valu	es			50
_	•				5	20
					/	



7/26/2019 Engr. Date





Pole

	NEMA	NEMA		Ambient
324T	230/460	60	3	96/48
Frame	Voltage	Hz	Phase	FL Amps
	Frame	· · · ·	Frame Voltage Hz	Frame Voltage Hz Phase

Model: 0404SDSR41A-P

kW

HP

40 30 4 IP Ins. Class Enclosure Nom. Eff. Design (°C) TEFC 55 F 1.15 CONT 94.1 В G 40 C Bearings DE 6312ZC3 / 60BC03JP3OX 6312ZC3 / 60BC03JP3OX Bearings NDE

\*Bearings are the only recommended spare part(s).

Other than the grease used for regreasable bearings and the oil used for oil-lubricated bearings, Toshiba advises that there are no "use" parts. The only insurance spares that Toshiba suggests for these squirrel-cage induction motors are industry-standard and commercially available off-the-shelf bearings as noted above.

Motor components such as terminal boxes, fan covers and other machined parts are available on special request. In these cases, please advise our order entry department of the model and serial numbers found on the motor nameplate and a description of the needed components. With this information they will be able to furnish the current part number, price and availability.

Note: Our internal part numbers are subject to change without notice and are not published.

Customer					
Customer PO					
Sales Order					
Project #					
Tag:					
All characteristics are av	verage expected values.				
	TOSHIBA INTEI	RNATIONAL CORPORATION ·	HOUSTON, TEXAS U.S.A.		
Engineering	jhock	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1125 / 0
Engr. Date	3/17/2014	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011



		NEMA		Ambient
324T	190/380	50	3	114/57
Frame	Voltage	Hz	Phase	FL Amps
		•		i i i i i i i i i i i i i i i i i i i

Model: 0404SDSR41A-P

kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Am
30	4	1470	324T	190/380	50	3	114/57
IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambie (°C)
55	F	1.0	CONT	93.0	-	F	40 C
6312ZC3 / 60BC03	3JP3OX						
6312ZC3 / 60BC03	3JP3OX						
	30 IP 55 6312ZC3 / 60BC03	30 4   IP Ins. Class	30       4       1470         IP       Ins. Class       S.F.         55       F       1.0	30       4       1470       324T         IP       Ins. Class       S.F.       Duty         55       F       1.0       CONT	30       4       1470       324T       190/380         IP       Ins. Class       S.F.       Duty       NEMA Nom. Eff.         55       F       1.0       CONT       93.0         6312ZC3 / 60BC03JP3OX       F       1.0       CONT       93.0	30       4       1470       324T       190/380       50         IP       Ins. Class       S.F.       Duty       NEMA Nom. Eff.       NEMA Design         55       F       1.0       CONT       93.0       -         6312ZC3 / 60BC03JP3OX       -       -       -       -	30       4       1470       324T       190/380       50       3         IP       Ins. Class       S.F.       Duty       NEMA Nom. Eff.       NEMA Design       kVA Code         55       F       1.0       CONT       93.0       -       F         6312ZC3 / 60BC03JP3OX       60BC03JP3OX       -       -       F

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Note: Our internal part numbers are subject to change without notice and are not published.

Customer					
Customer PO					
Sales Order					
Project #					
Tag:					
All characteristics are av	<b>5</b> 1				
	TOSHIBA INTER	RNATIONAL CORPORATION ·	HOUSTON, TEXAS U.S.A.		
Engineering		Doc. Written By	D. Suarez	Doc.#/Rev	MPCF-1125 / 0
Engr. Date	7/26/2019	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011