

ROTATION FROM NDE			1. MAIN CONDUIT	BOX MAY BE F	ROTATED IN 90° II	NCREMENTS	
			2. STANDARD PRODUC			SITE ROTATION	
			3. KEY DIMENSIONS	S EQUAL	0.625"x 0.625"x 4.25"	(MOTOR SUPPLIED WITH KEY)	
TOSHIBA RESERVES THE RIGHT TO MAKE CHANGES OF TECHN	ICAL IMPROVEMENT AND	THE DATA MAY CHANGE \	WITHOUT NOTICE			PRELIMINARY	
DO NOT USE FOR CONSTRUCTION, INSTALLATION, OR APPLICAT	ION PURPOSES UNLESS TH	IE DRAWING IS MARKED A	S CERTIFIED			X CERTIFIED	
	TOTALLY ENCLOS	SED FAN COOLED	DRAWING #:	MDSLV001	-07		
TOSHIBA www.toshiba.com/tic	HORIZONTAL F	OOT MOUNTED	REV. DATE:	07/11/18	REV. #: 2	PER.: M. O'DOWD	
www.toshiba.com/tic	3 PHASE INDU	CTION MOTOR	REV. DESCRIP.:				
TOSHIBA INTERNATIONAL CORPORATION	364T-365T	F1 ASSEMBLY					



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TYPICAL MOTOR PERFORMANCE DATA

Issued Date

Issued By

7/18/2023

dschoeck

Transmit #

Issued Rev

	0506SDSR41A-F							
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
50	37	6	1180	365T	230/460	60	3	120/60
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.15	CONT	94.1	B	G	40 C
oad	HP	kW	Ampe	eres	Efficiency	(%)	Power F	actor (%)
ull Load	50.00	37.3	60		94.1		85	5.2
4 Load	37.50	28.0	45		94.0		82	
∕₂ Load	25.00	18.6	33		93.2			5.2
∕₄ Load	12.50	9.3	24		89.2		53	3.0
No Load			18.					
ocked Rotor			360)			33	6.3
			Torque					Rotor wk ²
Full Lo			d Rotor	•		ak Down	Inertia	
(lb-f			FLT)		FLT)	(%	6 FLT)	(lb-ft²)
223		1	85	1	65		250	20.06
Cold	Hot	Pressure dB(A) @ 1M	DE	Bearing	NDE			otor Weight os)
Cold 35	Hot 15		DE 6314Z	E		1	(It	
35 Bearings are the only re Notor Options: Product Family:EQP Glu	15 ecommended spar obal SD	dB(A) @ 1M -		E	NDE	3	(It	os)
35 Bearings are the only re Motor Options: Product Family:EQP Glu	15 ecommended spar obal SD	dB(A) @ 1M -		E	NDE	3	(It	os)
35 Bearings are the only re Notor Options: Product Family:EQP Gl Mounting:Footed,Shaft:	15 ecommended spar obal SD	dB(A) @ 1M -		E	NDE	3	(It	os)
35 Bearings are the only re Aotor Options: Product Family:EQP Gl Mounting:Footed,Shaft: Customer Customer PO	15 ecommended spar obal SD	dB(A) @ 1M -		E	NDE		(It	os)
35 Bearings are the only re Notor Options: Product Family:EQP Gle Nounting:Footed,Shaft: Customer Customer PO Sales Order	15 ecommended spar obal SD	dB(A) @ 1M -		E	NDE		(It	os)
35 Bearings are the only re Notor Options: Product Family:EQP Gle Mounting:Footed,Shaft: Customer Customer PO Gales Order Project #	15 ecommended spar obal SD	dB(A) @ 1M -		E	NDE	3	(It	os)
35 Bearings are the only re fotor Options: roduct Family:EQP Gle Aounting:Footed,Shaft: Customer Customer PO Gales Order Project #	15 ecommended spar obal SD	dB(A) @ 1M -		E	NDE		(It	os)
35 Bearings are the only re fotor Options: roduct Family:EQP Gle Aounting:Footed,Shaft: Customer Customer PO Gales Order Project # Tag:	15 ecommended spar obal SD T Shaft	dB(A) @ 1M - re part(s).		E	NDE		(It	os)
35 Bearings are the only re fotor Options: Product Family:EQP Gle Mounting:Footed,Shaft: Sustomer Sustomer PO Sales Order Project # ag:	15 ecommended spar obal SD T Shaft	alues. TOSHIBA INTER	6314Z	E C3 RPORATION - 1	NDE 6312ZC3	AS U.S.A.		58
	15 ecommended spar obal SD T Shaft	dB(A) @ 1M	6314Z	E C3	NDE 6312ZC3	AS U.S.A.	(It	DS) 58



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VPICAL MOTOR PERFORMANCE DATA

Issued Date

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dschoeck

Transmit #

Issued Rev

Model:								
-	000000000000000000000000000000000000000							
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
50	37	6	980	365T	380	50	3	54
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.0	CONT	93.4	В	E	40 C
oad	HP	kW	Ampe	eres	Efficiency	y (%)	Power F	actor (%)
ull Load	50.00	37.3	54		93.4		83	
4 Load	37.50	28.0	42)	93.4		80).1
2 Load	25.00	18.6		32 92.4			71	
4 Load	12.50	9.3		24 87.8		49		
lo Load			18.					
ocked Rotor			35				41	0
		-	Torque					Rotor wk ²
Full Lo			d Rotor				ak Down	Inertia
(lb-ft)		FLT)		FLT)	(%	% FLT)	(lb-ft²)
268		1	90	1	80		265	20.06
		dB(A) @ 1M		DE NDE 6314ZC3 6312ZC3				
30 Bearings are the only re	16 commended spare	- e part(s).						58
Bearings are the only re Notor Options: Product Family:EQP Glo	commended spar							
Bearings are the only re Totor Options: roduct Family:EQP Glo Aounting:Footed,Shaft:T Sustomer Sustomer PO Sales Order	commended spar							
Bearings are the only re lotor Options: roduct Family:EQP Glo lounting:Footed,Shaft:T ustomer ustomer PO ales Order roject #	commended spar							
Bearings are the only re lotor Options: roduct Family:EQP Glo lounting:Footed,Shaft:T ustomer ustomer PO ales Order roject #	commended spar							
iearings are the only re roduct Family:EQP Glo lounting:Footed,Shaft:T ustomer ustomer PO ales Order roject # ag:	commended spare bal SD [•] Shaft	e part(s).	6314Z	C3	6312ZC:	3		
earings are the only re otor Options: roduct Family:EQP Glo lounting:Footed,Shaft:T ustomer ustomer PO ales Order roject # ag: I characteristics are ave	commended spare bal SD ⁻ Shaft	lues.	6314Z	C3	6312ZC:	3 	76	
	commended spare bal SD Shaft erage expected va	e part(s).	6314Z	C3	6312ZC:	3 		68



4/19/2012

Engineering

Engr. Date

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HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
50	37	6	1180	365T	230/460	60	3	120/60
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA	NEMA	kVA Code	Ambient
TEFC	55	F	1.15	CONT	Nom. Eff. 94.1	Design B	G	(°C) 40 C
	Rotor wk ²			00	Torque		J.	
cked Rotor	Inertia	Full Load	Locked	Rotor	Pull U	lp	Break	Down
Amps	(lb-ft²)	(lb-ft)	(%	b)	(%)	-	(%	6)
360	20.06	223	185	5	165		25	0
300 240 (%) anbio 120 60 0		20	40		60	80		00 60 20 Current (%) 80 40
	0	20		ronous Spee		00	100	,
Torq	ue <mark>E</mark> Curre	nt			wk² Load	Inertia (Ib-ft²) Load Type Voltage (%)	-	
tomer tomer PO								U
		1			1	ACCAL LIMA		
tomor							- 10	

7/18/2023

dschoeck

D. Suarez

M. Campbell

Doc.# / Rev

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MPCF-1121 / 0

6/8/2011

Doc. Written By

Doc. Approved By

Transmit #

Issued Rev

Issued Date

Issued By



ΗP

50

Enclosure

TEFC

Locked Rotor

Amps

353

300

240

		Issued Date	7/18/2023		Transmit #	
		Issued By	dschoeck		Issued Rev	
	SPEED TORG	QUE/CURREN	T CURVE			
Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
6	980	365T	380	50	3	54
Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
F	1.0	CONT	93.4	В	E	40 C
			Torque			
Full Load		d Rotor	Pull Up	2	Break [
(lb-ft)	(*	%)	(%)		(%)
268		90	180		265)
_		-			45	50 Current (%)
					30	50 -
					V	
20	40	6 nronous Speed		80	108	

WOULL 0000000K41A-F	Model:	0506SDSR41A-P
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kW

37

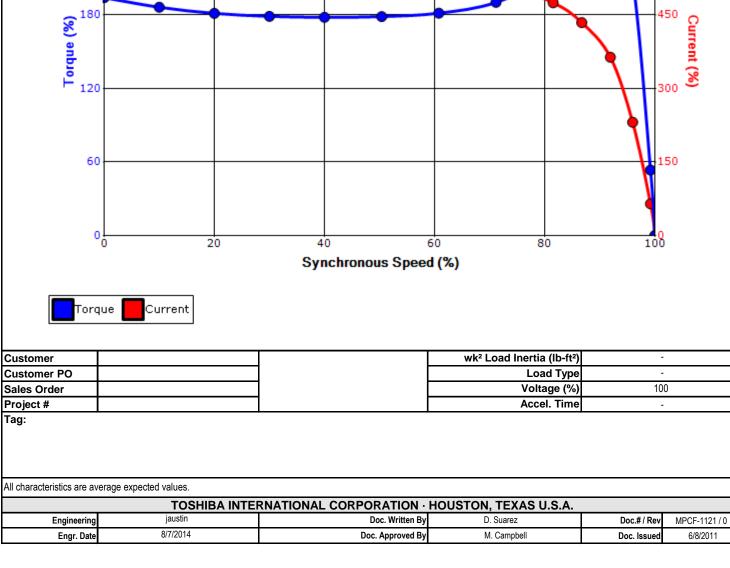
IP

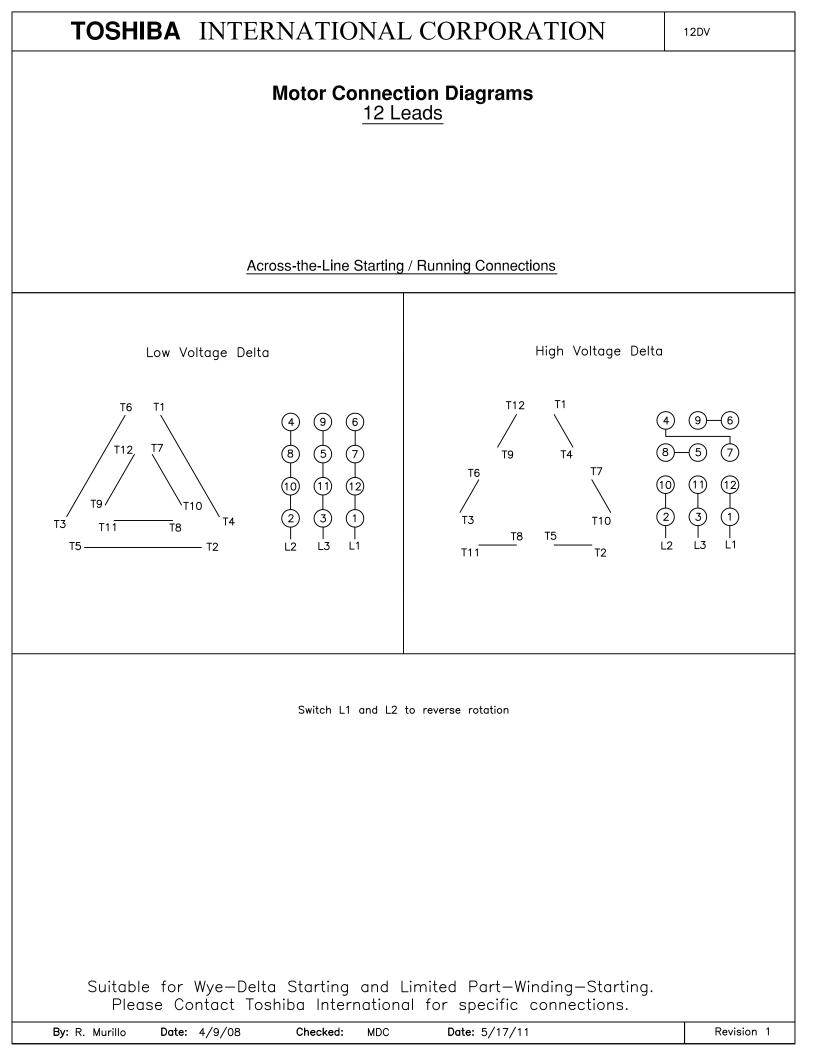
55 Rotor wk²

Inertia

(lb-ft²)

20.06





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	Issued Date:	7/18/2023		Transmit #:	
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SPARE	E PARTS LIS	ST*			
FL RPM	Frame	Voltage	Hz	Phase	FL Amps

Model: 0506SDSR41A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps		
50	37	6	1180	365T	230/460	60	3	120/60		
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambien (°C)		
TEFC	55	F	1.15	CONT	94.1	В	G	40 C		
	1									
Bearings DE	6314ZC3 / 70BC	6314ZC3 / 70BC03JP3OX								
earings NDE	6312ZC3 / 60BC	03JP3OX								

*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					
All characteristics are av					
	TOSHIBA INTE	RNATIONAL CORPORATION ·	HOUSTON, TEXAS U.S.A.		
Engineering	aacosta	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1125 / 0
Engr. Date	4/19/2012	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

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	Issued Date:	7/18/2023		Transmit #:	
	Issued By:	dschoeck		Issued Rev:	
SPAR	E PARTS LIS	ST*			
FL RPM	Frame	Voltage	Hz	Phase	FL Amps

Model: 0506SDSR41A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
50	37	6	980	365T	380	50	3	54
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.0	CONT	93.4	В	E	40 C
Bearings DE	6314ZC3 / 70BC	03JP3OX						
Bearings NDE	6312ZC3 / 60BC	03JP3OX						

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Customer								
Customer PO								
Sales Order								
Project #								
Tag:								
All characteristics are av	verage expected values.							
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Engineering	jaustin	Doc. Written By	D. Suarez	Doc.#/Rev	MPCF-1125 / 0			
Engr. Date	8/7/2014	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011			