

DO NOT USE FOR CONSTRUCTION, INSTALLATION, OR APPLICATION PURPOSES UNLESS THE DRAWING IS MARKED AS CERTIFIED

X CERTIFIED



FOSHIBA	INTERNATIONAL	CORPORATION
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TOTALLY ENCLOSED FAN COOLED		DRAWING #:	MDSLV001-	-07			
HORIZONTAL F	HORIZONTAL FOOT MOUNTED		07/11/18	REV. #:	2	PER.: M. O'DOWD	
3 PHASE INDU	ICTION MOTOR	REV. DESCRIP.:					
364T-365T	F1 ASSEMBLY	_					



Leading Innovation >>>

TYPICAL MOTOR PERFORMANCE DATA

Issued Date

Issued By

6/19/2025

dschoeck

Transmit #

Issued Rev

HP	kW	Pole	FL RPM	Frame	Valtaga	Hz	Phase	
50	37	6	1180	365T	Voltage 230/460	60	3	FL Amps 118/59
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA	NEMA	kVA Code	Ambient
				-	Nom. Eff.	Design		(°C)
TEFC	55	F	1.15	CONT	94.1	В		40 C
oad	HP	kW	Ampe	eres	Efficiency	/ (%)	Power F	actor (%)
ull Load	50.00	37.3	59		94.7			3.5
Load	37.50	28.0	46	6	94.6		80).5
2 Load	25.00	18.6	34		93.6			3.0
4 Load	12.50	9.3	20)	90.5		62	2.5
lo Load			20					.5
ocked Rotor			39	5			34	1.4
		г	Torque					Rotor wk ²
Full Lo			d Rotor		ull Up	_	ak Down	Inertia
(lb-ft 223		-	F LT) 10		FLT) 135	(%	% FLT) 265	(lb-ft²) 20.06
Cold	Hot	Pressure dB(A) @ 1M	DE	Bearin E	NDE		Approx. Mo	_
32	15	dB(A) @ 1M -	DE 6314.	E	-		(Ik	-
	15 ecommended spare	dB(A) @ 1M -		E	NDE		(Ik	os)
32 Bearings are the only re Motor Options: Product Family:EQF Mounting:Footed,St Mounting:Footed,St Customer Customer PO Sales Order	15 ecommended spare	dB(A) @ 1M -		E	NDE		(Ik	os)
32 Bearings are the only re Motor Options: Product Family:EQF Mounting:Footed,Sh Mounting:Footed,Sh Customer Customer PO Sales Order Project #	15 ecommended spare	dB(A) @ 1M -		E	NDE		(Ik	os)
32 Bearings are the only re Product Family:EQF Aounting:Footed,Sh Sustomer Sustomer PO iales Order Project # ag:	15 ecommended spare	dB(A) @ 1M -		E	NDE		(Ik	os)
32 Bearings are the only re Product Family:EQF Mounting:Footed,Sh ustomer ustomer PO ales Order roject # ag:	15 ecommended spare P Global SD haft:T Shaft	dB(A) @ 1M -	6314	E ZC3	NDE 6312Z(23	(Ik	os)
32 Bearings are the only re Totor Options: Product Family:EQF Aounting:Footed,Sh Aounting:Footed,Sh Sustomer Sustomer Sustomer PO ales Order Troject #	15 ecommended spare P Global SD haft:T Shaft	dB(A) @ 1M -	6314	E ZC3	NDE 6312ZC	C3	(Ik	os)



		Issued Date	6/19/20	25	Transmit #	
	Issued By		dschoe	ck	Issued Rev	
ΤΥΡΙ	ICAL MOTOF		ANCE DATA			
	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
	970	365T	380	50	3	71
ss	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
	1.0	CONT	92.2	В		40 C
	Ampo	eres	Efficienc	v (%)	Power F	actor (%)
	7		92.1	y (/º)	Power Factor (%) 86.5	
-+			-		84.8	
		<u>54</u> 92.7 38 92.3			9.0	

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
50	37	6	970	365T	380	50	3	71
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.0	CONT	92.2	B		40 C
TEFG	55		1.0	CONT	92.2	В	I	40 C
oad	HP	kW	Amp		Efficiency	/ (%)	Power Fa	()
ull Load	50.00	37.3	7		92.1		86	
Load	37.50	28.0	5		92.7		84	
Load	25.00	18.6	3		92.3		79	
Load	12.50	9.3	2		89.0		61	
o Load ocked Rotor		-	18 37				2. 34	
Full L (lb-1		Locked (% F		Ρι	ıll Up FLT)		ak Down 6 FLT)	Rotor wk Inertia (Ib-ft²)
27	,	15	-		115	(/	205	20.06
		dB(A) @ 1M	DI	E	NDE		(lb	s)
35 Bearings are the only r	10 recommended spare	-	6314		NDE 6312ZC		(lb 76	-
	ecommended spare	-						-
Bearings are the only r Notor Options: Product Family:EQ Mounting:Footed,S Sustomer	ecommended spare	-						-
Bearings are the only r Iotor Options: Product Family:EQ Nounting:Footed,S Sustomer Sustomer PO	ecommended spare	-						-
Bearings are the only r lotor Options: Product Family:EQ Nounting:Footed,S	ecommended spare	-						-
earings are the only r otor Options: roduct Family:EQ lounting:Footed,S lounting:Footed,S ustomer ustomer PO ales Order roject #	ecommended spare	-						-
earings are the only r otor Options: roduct Family:EQ lounting:Footed,S lounting:Footed,S ustomer ustomer PO ales Order roject #	ecommended spare	-						-
earings are the only r otor Options: roduct Family:EQ lounting:Footed,S ustomer ustomer PO ales Order roject # ag:	ecommended spare	= part(s).						-
earings are the only r otor Options: roduct Family:EQ lounting:Footed,S ustomer ustomer PO ales Order roject # ag:	ecommended spare	e part(s).	6314	ZC3	6312ZC	23		-
earings are the only r otor Options: roduct Family:EQ lounting:Footed,S	ecommended spare	= part(s).	6314	ZC3	6312ZC	23		-



HP

50

Enclosure

TEFC

Locked Rotor

Amps

395

300

240

		Issued Date			Transmit #	
		Issued By	By dschoeck		Issued Rev	
S	PEED TORQ	UE/CURREN	IT CURVE			
	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
	1180	365T	230/460	60	3	118/59
;	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
	1.15	CONT	94.1	В		40 C
			Torque			
	Locked		Pull Up)	Break	
	(%		(%)		(%	
	21	0	135		26	5
	Des	sign Value	es			50
						50 -
_					\	Current

ent (%)

300

150

100

-

-100

-

MPCF-1121 / 0

6/8/2011

Doc.# / Rev

Doc. Issued

kW

37

IP

55

Rotor wk²

Inertia

(lb-ft²)

20.06

Pole

6

Ins. Class

F

Full Load

(lb-ft)

223

Model: 0506SDSR41A-P

180 Torque (%)					7
L 120	D				
60)				
(
	0		o 6 nchronous Speed	50 80 1 (%)	J
Toro	que <mark>Current</mark>				
Customer				wk ² Load Inertia	(lb-ft ²)
Customer PO				Loa	d Type
Sales Order				Volta	ige (%)
Project #				Acce	I. Time
Tag:					
All characteristics are av					
All characteristics are av	TOSH	IIBA INTERNATIONAL			.S.A.
All characteristics are av Engineering Engr. Date	TOSH zxie	IBA INTERNATIONAL	- CORPORATION · H Doc. Written By Doc. Approved By	HOUSTON, TEXAS U D. Suarez M. Campbell	.S.A.



HP

50

Enclosure

TEFC

Locked Rotor

Amps

372

250

200

(%) anb_ot 100

100

50

ᅆ

Torque

20

Current

Model: 0506SDSR41A-P

kW

37

IP

55

Rotor wk²

Inertia

(lb-ft²)

20.06

6 970 365T 380 50 3 7 Ins. Class S.F. Duty NEMA Nom. Eff. NEMA Design KVA Code kVA Code Amb (°C			Issued By	dschoed	ck	Issued Rev	
6 970 365T 380 50 3 7 Ins. Class S.F. Duty NEMA Nom. Eff. NEMA Design kVA Code Amb (°C F 1.0 CONT 92.2 B 40 Torque Full Load Locked Rotor Pull Up (%) Break Down (%) Break Down (%) 271 155 115 205 Design Values 600 480 480 480 480 480 480	SP	PEED TORQ	UE/CURREN	IT CURVE			
6 970 365T 380 50 3 7 Ins. Class S.F. Duty NEMA Nom. Eff. NEMA Design kVA Code Amb (°C F 1.0 CONT 92.2 B 40 Torque Full Load Locked Rotor Pull Up Break Down (%) Break Down (%) 271 155 115 205 Design Values 600 480 480 480 480 480 480 <	ole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
Ins. Class S.F. Duty NEMA Nom. Eff. NEMA Design kVA Code Amb (°C F 1.0 CONT 92.2 B 40 Torque Full Load Locked Rotor Pull Up Break Down (%) Break Down (1b-ft) (%) (%) (%) (%) (%) (%) (%) 205 Design Values				-			71
Torque Full Load Locked Rotor Pull Up Break Down (%) (%) (%) 271 155 115 205 Design Values				NEMA	NEMA		Ambient (°C)
Full Load Locked Rotor Pull Up Break Down (!b-ft) (%) (%) (%) 271 155 115 205	F	1.0	CONT	92.2	В		40 C
(lb-ft) (%) (%) (%) 271 155 115 205 Design Values 600 480 480 480 500							
271 155 115 205 Design Values 600 480 480 500	Load				2		
Design Values							
	.71	15	5	115		20	15
360 Current (3			ign valu	es 			00
240 2							80

100

80

Customer	wk ² Load Inertia (lb-ft ²)	-
Customer PO	Load Type	-
Sales Order	Voltage (%)	100
Project #	Accel. Time	-
_		

Synchronous Speed (%)

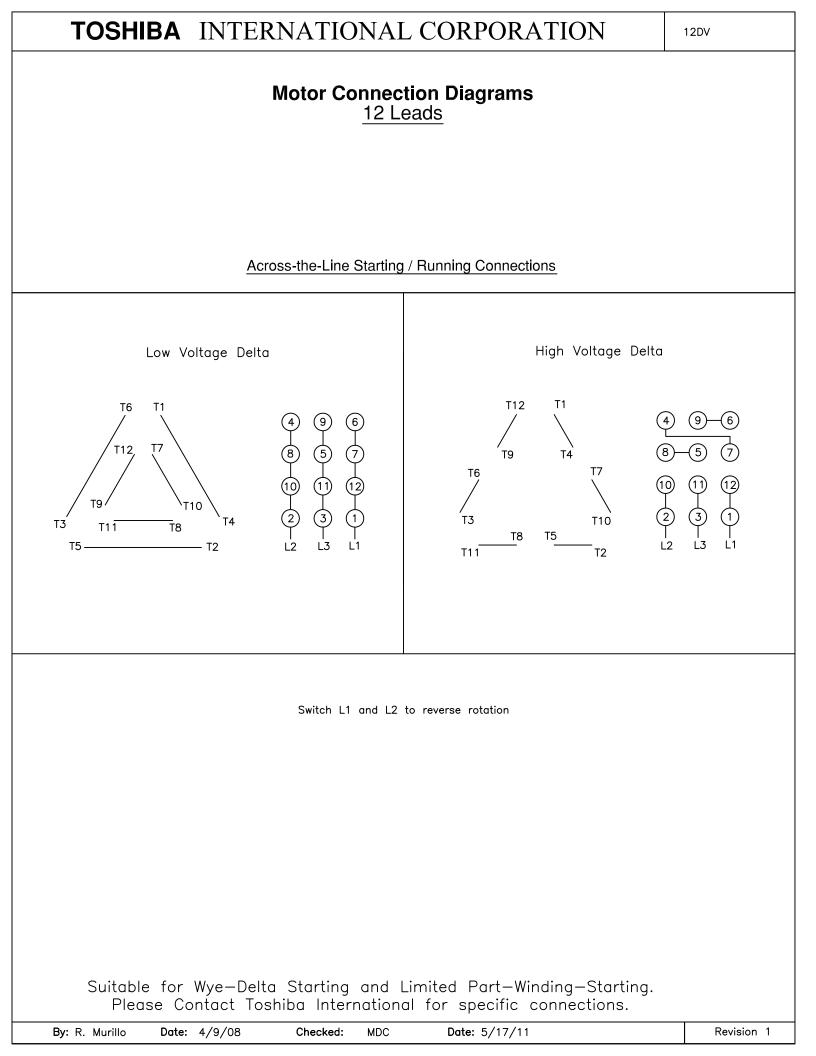
60

40

Tag:

All characteristics are average expected values.

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Engineering	zxie	Doc. Written By	D. Suarez	Doc.#/Rev	MPCF-1121 / 0		
Engr. Date	7/15/2024	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011		



TOSHIBA	L
Leading Innovation >>>	
-	CDADE

					0/10/20		
TOSH	IBA			Issued By:	dschoe	ck	Issued Rev:
Leading Inn			SPAR	E PARTS LIST	Г*		
Model:	0506SDSR41A	λ-P					
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase
50	37	6	1180	365T	230/460	60	3
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code
TEFC	55	F	1.15	CONT	94.1	В	
Bearings DE	6314ZC3 / 70	BC03JP3OX					
Bearings NDE	6312ZC3 / 60	BC03JP3OX					
*Bearings are the on	ly recommended sp	are part(s).					

Issued Date:

6/19/2025

Transmit #:

FL Amps 118/59

Ambient

(°C)

40 C

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 average expected values.					
TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.					
Engineering		Doc. Written By	D. Suarez	Doc.#/Rev	MPCF-1125 / 0
Engr. Date	7/15/2024	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011