	188 <sup>1</sup> /20       10       10       10       10       10       10       10       10       10       10       10       10       12       0.75" NPT CONDUIT       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       13       14       15       16       17       18       18       19       10       10       11       12       13       14       15       16       17       18       18       18       18       18 <tr< th=""><th>07.9 7.7 06.50 04.500 05.975 05.975 05.975 0.575 0.575 0.575 0.575 0.77</th></tr<>	07.9 7.7 06.50 04.500 05.975 05.975 05.975 0.575 0.575 0.575 0.575 0.77
UNITS: INCHES ROTATION FROM NDE		NOTES: 1. MAIN CONDUIT BOX MAY BE ROTATED IN 90° INCREMENTS 2. STANDARD PRODUCT USES BI-DIRECTIONAL FAN. OPPOSITE ROTATION AVAILABLE ONLY BY CONNECTION CHANGE. 3. KEY DIMENSIONS EQUAL 0.188°x 1.38" (MOTOR SUPPLIED WITH KEY)
I	INICAL IMPROVEMENT AND THE DATA MAY CHANGE W	
DO NOT USE FOR CONSTRUCTION, INSTALLATION, OR APPLICA	TION PURPOSES UNLESS THE DRAWING IS MARKED AS	CERTIFIED X CERTIFIED
	TOTALLY ENCLOSED FAN COOLED	DRAWING #: MDSLV005-01
	FOOTED C-FACED (NEMA BA)	REV. DATE: 06/20/18 REV. #: 4 PER.: M. O'DOWD
www.toshiba.com/tic	<b>3 PHASE INDUCTION MOTOR</b>	REV. DESCRIP.:
TOSHIBA INTERNATIONAL CORPORATION	143TC-145TC F1 ASSEMBLY	



	Issued By	dschoeck	Issued Rev
TYPICAL MOTOR		ANCE DATA	

Issued Date

6/19/2025

Transmit #

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
1	0.75	4	1760	143TC	230/460	60	3	3.4/1.7
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.15	CONT	85.5	В		40 C
oad	HP	kW	Ampe		Efficienc		Power Fa	. ,
ull Load	1.00	0.7	1.		85.5			).5
Load	0.75	0.6	1.		83.7		57	
2 Load	0.50	0.4	1.		79.1		48	
Load	0.25	0.2	1.		66.5		29	
o Load ocked Rotor			1. 15				7.	
			Torqui					Deter wk
Full L	oad	Locked	Torque I Rotor		ll Up	Bros	ak Down	Rotor wk <sup>2</sup> Inertia
(lb-f		(% F			FLT)		6 FLT)	(lb-ft <sup>2</sup> )
2.9	-	34			295		490	0.11
Safe Stall	Hot	Sound Pressure		Bearin	gs*		Approx. Motor Weigh	
Cold	ΠΟΣ	dB(A) @ 1M	וח	=	NDE		(lh	
35	15	dB(A) @ 1M -	DI 63052		NDE 6305ZZ		<b>(Ib</b> 6	<b>95)</b> 64
35 Bearings are the only r <b>Notor Options:</b> Product Family:EQ	15 ecommended spar	e part(s).						-
35 Bearings are the only r Iotor Options: Product Family:EQ	15 ecommended spar	e part(s).						-
35 Bearings are the only r lotor Options: Product Family:EQ Jounting:C-Face F	15 ecommended spar	e part(s).						-
35 learings are the only r lotor Options: roduct Family:EQ founting:C-Face F lounting:C-Face F	15 ecommended spar	e part(s).						-
35 earings are the only r otor Options: roduct Family:EQ lounting:C-Face F	15 ecommended spar	e part(s).						-
35 Bearings are the only r Product Family:EQ Aounting:C-Face F Sustomer Sustomer PO ales Order roject #	15 ecommended spar	e part(s).						-
35 Bearings are the only r lotor Options: roduct Family:EQ Mounting:C-Face F ustomer ustomer PO ales Order roject #	15 ecommended spar	e part(s).						-
35 earings are the only r otor Options: roduct Family:EQ lounting:C-Face F lounting:C-Face F ustomer ustomer PO ales Order roject # ag:	15 ecommended spar P Global SD CF Footed,Shaft:T S	e part(s).						-
35 earings are the only r otor Options: roduct Family:EQ lounting:C-Face F lounting:C-Face F ustomer ustomer PO ales Order roject # ag:	15 ecommended spar P Global SD CF Footed,Shaft:T S	e part(s). Face Footed Shaft	63052	72C3	6305ZZ	C3		-
35 Bearings are the only r	15 recommended spar P Global SD CF Footed,Shaft:T S	e part(s).	63052	72C3	6305ZZ	C3		4



Issued Date

Issued By

6/19/2025

dschoeck

Transmit #

Issued Rev

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
1	0.75	4	1450	143TC	190/380	50	3	3.6/1.8
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.0	CONT	84.0	B		40 C
		<u> </u>	1.0	00111				40.0
oad	HP	kW	Ampe		Efficienc		Power Fa	
ull Load	1.00	0.7	1.		86.1		68	-
Load	0.75	0.6	1.		85.3		60	
Load	0.50 0.25	0.4	1. 0.		84.2 71.8		48	-
Load o Load	0.25	0.2	0. 1.		71.0		40	
o Load ocked Rotor	-	-	1.				68	
(Ib-f 3.6		(% F 27	,		<b>FLT)</b> 35	(%	<b>6 FLT)</b> 320	(lb-ft²) 0.11
Safe Stall	Time(s)	Sound		Bearing	15*		Approx. Mo	tor Weight
		Pressure					Approx. Motor Weigh (Ibs)	
Cold	Hot	dB(A) @ 1M	DE		NDE		(lb	s)
Cold 26 Bearings are the only r	21	dB(A) @ 1M -	DF 63052		NDE 6305ZZ		<b>(lb</b> 6	,
26	21 ecommended spar	dB(A) @ 1M						,
26 Bearings are the only r Product Family:EQ Mounting:C-Face F	21 ecommended spar	dB(A) @ 1M						,
26 Bearings are the only r lotor Options: roduct Family:EQ founting:C-Face F	21 ecommended spar	dB(A) @ 1M						,
26 learings are the only r lotor Options: roduct Family:EQ lounting:C-Face F ustomer ustomer PO ales Order	21 ecommended spar	dB(A) @ 1M						,
26 Bearings are the only r Product Family:EQ Nounting:C-Face F	21 ecommended spar	dB(A) @ 1M						,
26 earings are the only r otor Options: roduct Family:EQ founting:C-Face F founting:C-Face F ustomer ustomer PO ales Order roject # ag:	21 ecommended spar P Global SD CF cooted,Shaft:T S	dB(A) @ 1M	63052	22C3	6305ZZ	2C3		,
26 Bearings are the only r Product Family:EQ Mounting:C-Face F ustomer ustomer PO ales Order roject #	21 ecommended spar P Global SD CF ooted,Shaft:T S	dB(A) @ 1M	63052	22C3	6305ZZ	(AS U.S.A.		,



HP

1

Enclosure

TEFC

Locked Rotor

Amps

15.0

Model: 0014SDSR47A-P

kW

0.75

IP

55

Rotor wk<sup>2</sup>

Inertia

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

0.11

Pole

4

Ins. Class

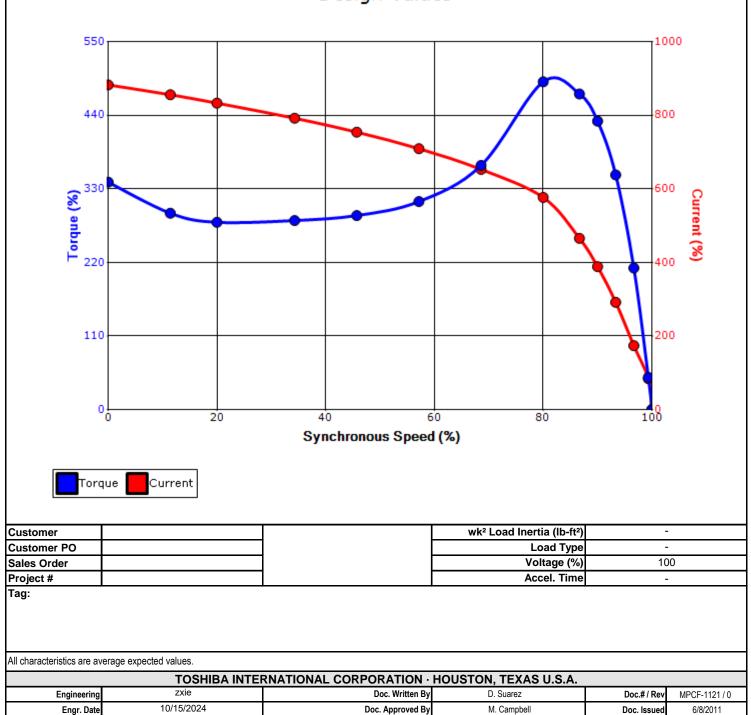
F

Full Load

(lb-ft)

2.98

		Issued Date	6/19/20	25	Transmit #	
		Issued Date	dschoeck		Issued Rev	
6PE		UE/CURREN				
	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
╞	1760	143TC	230/460	60	3	3.4/1.7
	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
	1.15	CONT	85.5	В		40 C
			Torque			
	Locked	d Rotor	Pull U	р	Break	Down
	(%	6)	(%)		(%	<b>b</b> )
	34	40	295		49	90
	De	sign Value	es			
					10	00
				∕	80	0
					0 00	•





HP

1

Enclosure

TEFC

Locked Rotor

Amps

18.0

400

Model: 0014SDSR47A-P

kW

0.75

IP

55

Rotor wk<sup>2</sup>

Inertia

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

0.11

Pole

4

Ins. Class

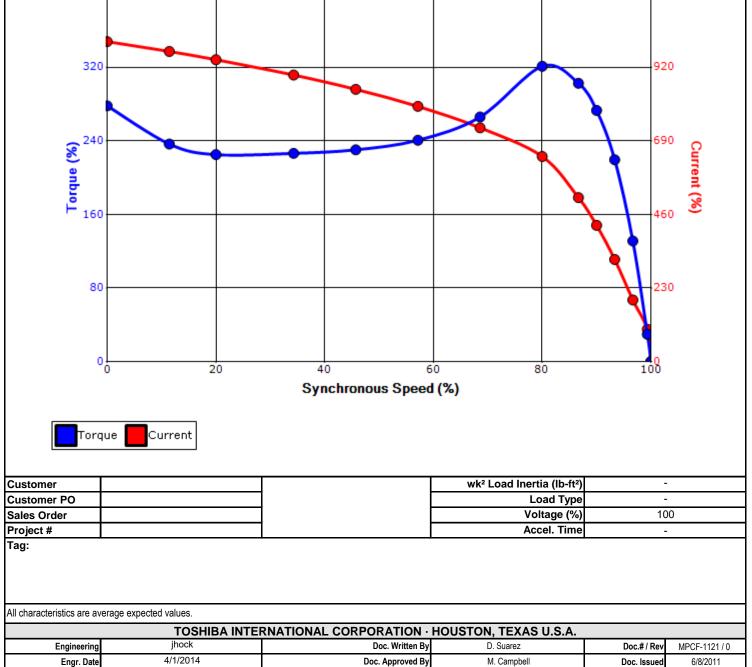
F

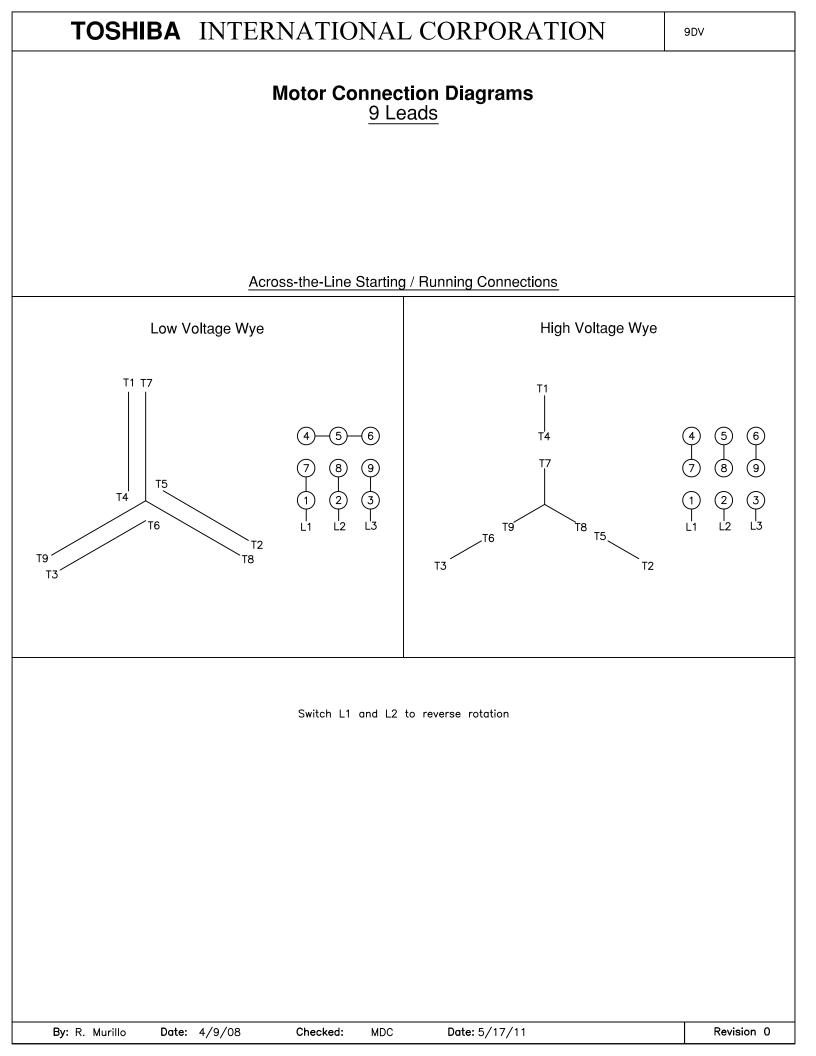
Full Load

(lb-ft)

3.62

		Issued Date	6/19/202	25	Transmit #	
	Issued By		dschoeck		Issued Rev	
SI	PEED TORQ	UE/CURREN	IT CURVE			
	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
$\neg$	1450	143TC	190/380	50	3	3.6/1.8
	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
	1.0	CONT	84.0	В		40 C
			Torque			
	Locked		Pull Up	)	Break	
	(%		(%)		(%	
	27	5	235		32	20
	Des	sign Valu	es		11	50
		• •			92	0
		~			69	0





				Issued Date:	6/19/20	25	Transmit #:	
TOSH	IBA			Issued By:	dschoe	ck	Issued Rev:	
	ovation >>>		SPARI	E PARTS LIS	T*			
Model:	0014SDSR47/	4-P						
Model: HP	0014SDSR47/	A-P Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
			<b>FL RPM</b> 1760	Frame 143TC	<b>Voltage</b> 230/460	<b>Hz</b> 60	Phase 3	FL Amps 3.4/1.7
	kW	Pole			U			

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

Bearings NDE

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.

6305ZZC3 / 25BC03JPP3OA

Customer					
Customer PO					
Sales Order					
Project #					
Tag:					
All characteristics are average		ERNATIONAL CORPORATION · F	OUSTON, TEXAS U.S.A.		
Engineering	zxie	Doc. Written By	D. Suarez	Doc.#/Rev	MPCF-1125 / 0
Engr. Date	10/15/2024	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011