

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

0.250"x 0.250"x 1.75"

(MOTOR SUPPLIED WITH KEY)

TOSHIBA RESERVES THE RIGHT TO MAKE CHANGES OF TECHNICAL IMPROVEMENT AND THE DATA MAY CHANGE WITHOUT NOTICE

PRELIMINARY

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

X CERTIFIED



TOTALLY ENCLOSED FAN COOLED
FOOTED C-FACED (NEMA BA)
3 PHASE INDUCTION MOTOR
182TC-184TC F1 ASSEMBLY



Issued Date	6/19/2025	Transmit #	
Issued By	dschoeck	Issued Rev	

TYPICAL MOTOR PERFORMANCE DATA

Model: 0052SDSR47A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
5	3.7	2	3505	184TC	230/460	60	3	11.6/5.8
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.15	CONT	88.5	В		40 C

	r				
Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	5.00	3.7	5.8	89.5	90.5
¾ Load	3.75	2.8	4.4	89.2	88.5
∕₂ Load	2.50	1.9	3.2	87.0	83.1
4 Load	1.25	0.9	2.2	78.9	66.5
No Load			1.6		10.0
Locked Rotor			50		46.1

Torque						
Full Load	Locked Rotor	Pull Up	Break Down	Inertia		
(lb-ft)	(% FLT)	(% FLT)	(% FLT)	(lb-ft²)		
7.49	225	180	355	0.20		

Safe Stall	Time(s)	Sound	Rearin	Approx. Motor Weight	
Cold	Hot	Pressure	Bearings*		
Cold	dB(A) @ 1M	DE	NDE	(lbs)	
29	15	-	6306ZZC3	6306ZZC3	108

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

Motor Options: Product Family:EQP Global SD CFace Footed Mounting:C-Face Footed,Shaft:T Shaft

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.								
Engineering	aguerrettaz	Doc. Written By	D. Suarez	Doc.#/Rev	MPCF-1119 / 0			
Engr. Date	8/9/2024	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011			



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Issued By	dschoeck	Issued Rev	

TYPICAL MOTOR PERFORMANCE DATA

Model: 0052SDSR47A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
5	3.7	2	2835	184TC	190/380	50	3	14.6/7.3
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.0	CONT	83.1	-		40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	5.00	3.7	7.3	83.4	93.0
¾ Load	3.75	2.8	5.4	84.3	92.0
½ Load	2.50	1.9	3.8	83.5	88.3
¼ Load	1.25	0.9	2.4	77.3	74.4
No Load			1.4		12.1
Locked Rotor			45		46.2

Torque						
Full Load	Locked Rotor	Pull Up	Break Down	Inertia		
(lb-ft)	(% FLT)	(% FLT)	(% FLT)	(lb-ft²)		
9.26	150	130	220	0.20		

Safe Stall	Time(s)	Sound Bearings* Approx. Mot		Rearings*		
Cold	Hot	Pressure dB(A) @ 1M			Approx. Motor Weight	
	30.4		DE	NDE	(lbs)	
35	13	-	6306ZZC3	6306ZZC3	108	

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

Motor Options: Product Family:EQP Global SD CFace Footed Mounting:C-Face Footed,Shaft:T Shaft

Customer	
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TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.									
Engineering	aguerrettaz	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0				
Engr. Date	8/2/2024	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011				



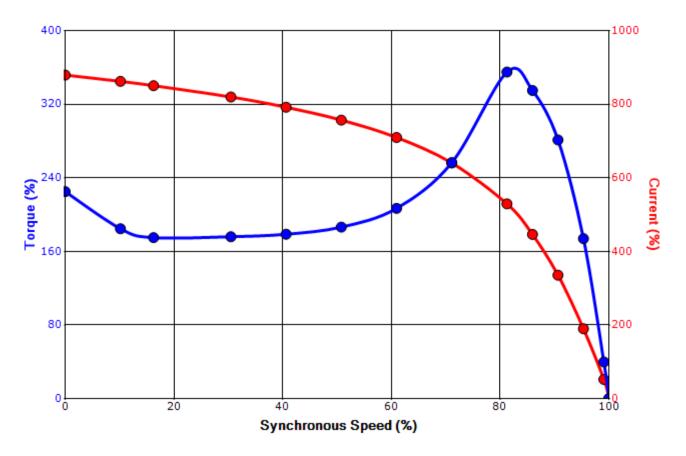
Issued Date 6/19/2025		Transmit #	
Issued By	dschoeck	Issued Rev	

SPEED TORQUE/CURRENT CURVE

Model: 0052SDSR47A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps	
5	3.7	2	3505	184TC	230/460	60	3	11.6/5.8	
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)	
TEFC	55	F	1.15	CONT	88.5	В		40 C	
Laskad Datas	Rotor wk ²				Torque				
Locked Rotor Amps	Inertia	Full Load	Locked	Locked Rotor		Pull Up		Break Down	
Allips	(lb-ft²)	(lb-ft)	(%	5)	(%)		(%	6)	
50	0.20	7.49	225		180		355		

Design Values





Customer	wk² Load Inertia (Ib-f	2) -
Customer PO	Load Typ	е -
Sales Order	Voltage (%	6) 100
Project #	Accel. Tim	е -

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TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.									
Engineering	aguerrettaz	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0				
Engr. Date	8/9/2024	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011				



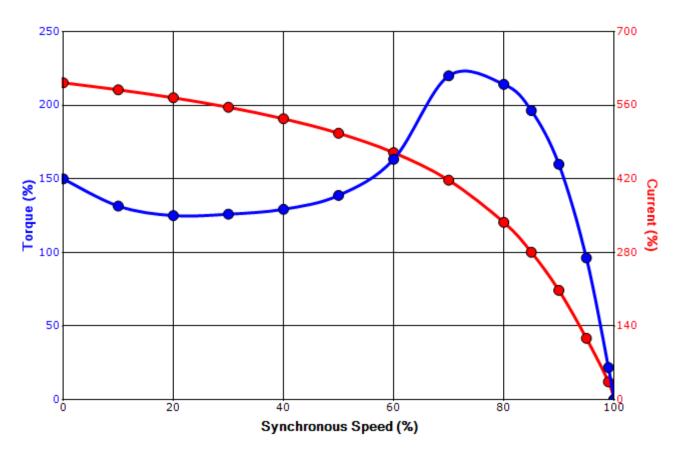
Issued Date 6/19/2025		Transmit #	
Issued By	dschoeck	Issued Rev	

SPEED TORQUE/CURRENT CURVE

Model: 0052SDSR47A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
5	3.7	2	2835	184TC	190/380	50	3	14.6/7.3
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.0	CONT	83.1	-		40 C
Looked Deter	Rotor wk ²	Torque						
Locked Rotor Amps	Inertia	Full Load	Locked	Locked Rotor (%)			Break Down	
Allips	(lb-ft²)	(lb-ft)	(%				(%	6)
45	0.20	9.26	150		130		220	

Design Values



Torque Current

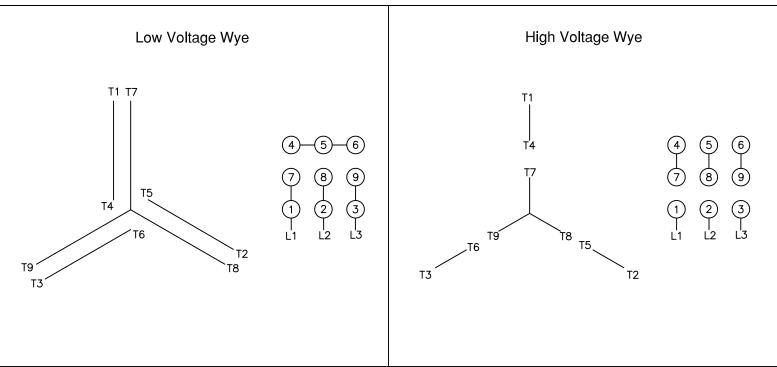
Customer	wk² Load Inertia (Ib-f	2) -
Customer PO	Load Typ	е -
Sales Order	Voltage (%	6) 100
Project #	Accel. Tim	е -

Tag:

TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.									
Engineering	aguerrettaz	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0				
Engr. Date	8/2/2024	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011				

Motor Connection Diagrams 9 Leads

Across-the-Line Starting / Running Connections



Switch L1 and L2 to reverse rotation

By: R. Murillo Date: 4/9/08 Checked: MDC Date: 5/17/11 Revision 0



Issued Date: 6/19/2025		Transmit #:	
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SPARE PARTS LIST*

Model: 0052SDSR47A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
5	3.7	2	3505	184TC	230/460	60	3	11.6/5.8
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.15	CONT	88.5	В		40 C

 Bearings DE
 6306ZZC3 / 30BC03JPP3OA

 Bearings NDE
 6306ZZC3 / 30BC03JPP3OA

*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 #	

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TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.							
Engineering	aguerrettaz	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1125 / 0		
Engr. Date	8/9/2024	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011		