

UNITS: INCHES ROTATION FROM NDE X CCW CW

- 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

0.312"x 0.312"x 2.38"

(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 213TC-215TC F1 ASSEMBLY

DRAWING #:	MDSLV005-03				
REV. DATE:	06/27/18	REV. #:	3	PER.: M. O'DOWD	
REV. DESCRIP.:					



Issued Date	6/20/2025	Transmit #	
Issued By	dschoeck	Issued Rev	

TYPICAL MOTOR PERFORMANCE DATA

Model: Y754SDSC47A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
7.50	5.5	4	1770	213TC	575	60	3	8.2
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.15	CONT	91.7	В		40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	7.50	5.6	8.2	91.8	74.6
¾ Load	5.62	4.2	6.7	90.5	68.8
½ Load	3.75	2.8	5.4	87.5	58.4
¼ Load	1.87	1.4	3.7	80.6	46.9
No Load			4.5		5.0
Locked Rotor			50		39.9

Torque							
Full Load	Locked Rotor	Pull Up	Break Down	Inertia			
(lb-ft)	(% FLT)	(% FLT)	(% FLT)	(lb-ft²)			
22.3	260	195	315	1.15			

Safe Stall Time(s)		Sound Bearings*		Approx. Motor Weight		
Cold	Hot	Pressure dB(A) @ 1M	Dearings		Approx. Wotor Weight	
00.0	Cold Hot		DE	NDE	(lbs)	
35	15	-	6308ZZC3	6308ZZC3	0	

*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:

All characteristics are average expected values.

TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.								
Engineering	bmammen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0			
Engr. Date	5/5/2025	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011			



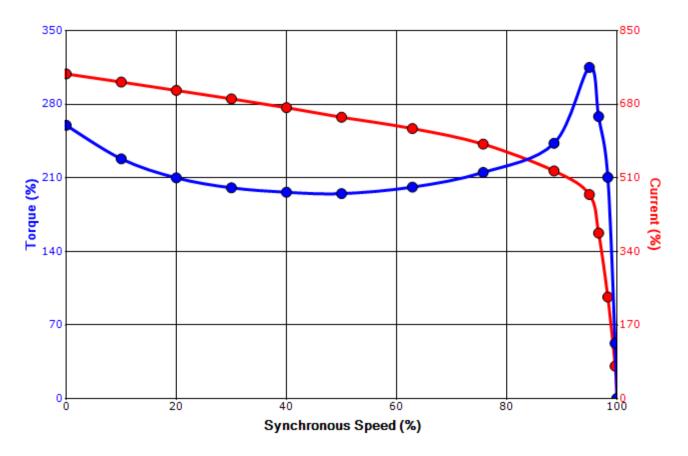
Issued Date	6/20/2025	Transmit #	
Issued By	dschoeck	Issued Rev	

SPEED TORQUE/CURRENT CURVE

Model: Y754SDSC47A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
7.50	5.5	4	1770	213TC	575	60	3	8.2
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.15	CONT	91.7	В		40 C
Looked Beton	Rotor wk ²	Torque						
Locked Rotor Amps	Inertia	Full Load	Locked Rotor		Pull Up		Break	Down
Allips	(lb-ft²)	(lb-ft)	(%)		(%)		(%	6)
50	1.15	22.3	260		195		3′	15

Design Values





Customer	wk² Load Inertia (lb-ft²)	-
Customer PO	Load Type	-
Sales Order	Voltage (%)	100
Project #	Accel. Time	_

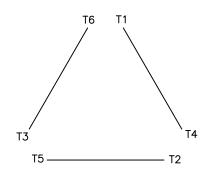
Tag:

All characteristics are average expected values.

TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.								
Engineering	bmammen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0			
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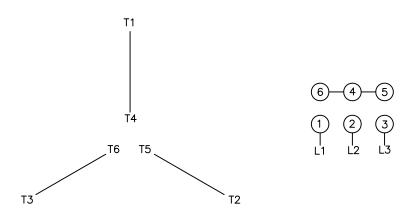
Motor Connection Diagrams 6 Leads

Across the Line Starting / Run - Delta:





Alternate Starting Connection - Wye:



Switch L1 and L2 to reverse rotation



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SPARE PARTS LIST*

Model: Y754SDSC47A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
7.50	5.5	4	1770	213TC	575	60	3	8.2
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.15	CONT	91.7	В		40 C

 Bearings DE
 6308ZZC3 / 40BC03JPP3OX

 Bearings NDE
 6308ZZC3 / 40BC03JPP3OX

*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 average expected values.

TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.								
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