



		Issued Date	6/20/20	25	Transmit #			
		Issued By	dschoe	eck	Issued Rev			
TYPICAL MOTOR PERFORMANCE DATA								
	FL RPM	Frame	Voltage	Hz	Phase	FL Amps		
	FL RPM 1770	Frame 254TC	Voltage 575	Hz 60	Phase 3	FL Amps 16.1		
ss								
e ass	1770	254TC	575 NEMA	60 NEMA	3	16 Amb		
5	1770	254TC Duty CONT	575 NEMA	60 NEMA Design B	3	16.1 Ambient (°C) 40 C		

HP			FI 55		<u> </u>	· · · ·		-
15	kW	Pole	FL RPM 1770	Frame 254TC	Voltage 575	Hz 60	Phase 3	FL Am 16.1
Enclosure	11 IP	4 Ins. Class	S.F.	Duty	NEMA	NEMA	s kVA Code	Ambie
TEFC	56	F	1.15	CONT	Nom. Eff. 92.4	Design B		(°C) 40 (
TEPO	50		1.15	CONT	92.4	В		40 0
oad	HP	kW	Amp	eres	Efficiency	y (%)	Power Fa	actor (%)
Full Load	15.00	11.2	16		92.5		75	
4 Load	11.25	8.4	12		91.6			.2
∕₂ Load	7.50	5.6	10	-	89.2		62	
4 Load	3.75	2.8	6.		82.5			9.6
No Load		_	7. 9					.7 7.3
ocked Rotor			9	5			57	.5
			Torqu	9				Rotor
Full Lo	bad	Locked			III Up	Brea	ak Down	Inerti
(lb-f	t)	(% F	LT)	(%	FLT)	(%	6 FLT)	(lb-ft
44.	5	23	35		175		275	2.32
Safe Stall	Time(s)	Sound						
		Pressure		Bearing	gs*		Approx. Mo	otor Weigh
	Hot							
Cold		dB(A) @ 1M			NDE		(Ib	is)
35	15	-			NDE 6309C		•	9 5) 0
35 Bearings are the only re Motor Options: Product Family:EQI	ecommended spare	e part(s). Face Footed					•	,
35 Bearings are the only re Motor Options: Product Family:EQI	ecommended spare	e part(s). Face Footed					•	
35 Bearings are the only re Notor Options: Product Family:EQI Mounting:C-Face F	ecommended spare	e part(s). Face Footed					•	
35 Bearings are the only re Notor Options: Product Family:EQI Mounting:C-Face F	ecommended spare	e part(s). Face Footed					•	
35 Bearings are the only re Motor Options: Product Family:EQ Mounting:C-Face F Mounting:C-Face F	ecommended spare	e part(s). Face Footed					•	
35 Bearings are the only re Motor Options: Product Family:EQI Mounting:C-Face F Mounting:C-Face F Customer PO Sales Order	ecommended spare	e part(s). Face Footed					•	
35 Bearings are the only re Motor Options: Product Family:EQ Mounting:C-Face F Mounting:C-Face F	ecommended spare	e part(s). Face Footed					•	,
35 Bearings are the only re Motor Options: Product Family:EQI Mounting:C-Face F Mounting:C-Face F Customer Customer PO Sales Order Project # Fag:	ecommended spare	e part(s). Face Footed haft					•	
35 Bearings are the only re Motor Options: Product Family:EQI Mounting:C-Face F Mounting:C-Face F Customer Customer PO Sales Order Project # Fag:	P Global 841 Cl ooted,Shaft:T S	e part(s). Face Footed haft	6309	9003	6309C		•	,
35 Bearings are the only re Motor Options: Product Family:EQI Mounting:C-Face F Mounting:C-Face F Customer Customer PO Sales Order Project #	ecommended spare	e part(s). Face Footed haft	6309	9003	6309C	23 23 24 24 24 24 24 24 24 24 24 24 24 24 24	•	



HP

15

Enclosure

TEFC

Locked Rotor

Amps

93

		Issued Date	6/20/202	Transmit #		
		Issued By	k	Issued Rev		
S	PEED TORQ	UE/CURREN	IT CURVE			
	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
	1770	254TC	575	60	3	16.1
5	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)

92.4

Pull Up

(%)

175

Torque

В

40 C

Break Down

(%)

275

650

520

390

260

130

108

-

-

100

-

Current

8

Model: 0154XDSC47A-P

kW

11

IP

56

Rotor wk²

Inertia

(lb-ft²)

2.32

Pole

4

Ins. Class

F

Full Load

(lb-ft)

44.5

1.15

Locked Rotor

(%)

235

CONT

		D	esign Value	es	
350)				
280					
				•	
(%) anbjo 140					
)				
70)				
C	0 20			0 8	0
		Syr	nchronous Speed	(%)	
Torc	que <mark>Current</mark>				
mer				wk ² Load Inertia	
mer PO			Γ		d Type
Order			Ļ		ige (%)
ct #		I		Acce	I. Time

All characteristics are average expected values.

Customer

Customer PO

Sales Order

Project #

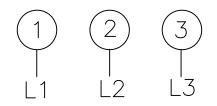
Tag:

TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.								
Engineering	bmammen	Doc. Written By	D. Suarez	Doc.#/Rev	MPCF-1121 / 0			
Engr. Date	5/5/2025	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011			

3SVD

Motor Connection Diagram 3 Leads - Delta Connection





Switch L1 and L2 to reverse rotation

Each lead may consist of more than one cable. If multiple cables represent a single lead, each one of them will be labeled with the appropriate lead number.

				Issued Date:	6/20/20)25	Transmit #:				
TOSHIBA				Issued By:	dschoe	eck	Issued Rev:				
Leading Innovation >>>		•	SPAR	E PARTS LIS	T *						
Model	: 0154XDSC47	A-P									
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps			
15	11	4	1770	254TC	575	60	3	16.1			
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)			
TEFC	56	F	1.15	CONT	92.4	В		40 C			
	•			•							
Bearings DE	6309C3 / 45E	SC03J3OX									
Bearings NDE	6309C3 / 45E	C03J3OX	9C3 / 45BC03J3OX								

*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	verage expected values.							
TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.								
Engineering	bmammen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1125 / 0			
Engr. Date	5/5/2025	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011			