

### 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

0.375"x 0.375"x 2.88"

(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
254TC-256TC F1 ASSEMBLY

DRAWING #: MDSLV089-04

REV. DATE: 06/30/18 REV. #: 0 PER.: M. O'DOWD

REV. DESCRIP.:



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

### **TYPICAL MOTOR PERFORMANCE DATA**

Model: 0154XDSB47A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
15	11	4	1770	254TC	460	60	3	20
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

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	15.00	11.2	20	92.6	75.2
¾ Load	11.25	8.4	16.2	91.6	70.6
½ Load	7.50	5.6	12.7	89.2	61.7
¼ Load	3.75	2.8	8.6	82.5	49.1
No Load			10.1		4.6
Locked Rotor			118		37.3

Torque					
Full Load	Locked Rotor	Pull Up	Break Down	Inertia	
(lb-ft)	(% FLT)	(% FLT)	(% FLT)	(lb-ft²)	
44.5	240	185	280	2.32	

Safe Stall Time(s)		Sound	Bearings*		Approx. Motor Weight	
Cold	Hot	Pressure	Bearings		Approx. Motor Weight	
Oolu	1100	dB(A) @ 1M	DE	NDE	(lbs)	
35	15	-	6309C3	6309C3	348	

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

Motor Options: Product Family:EQP Global 841 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		



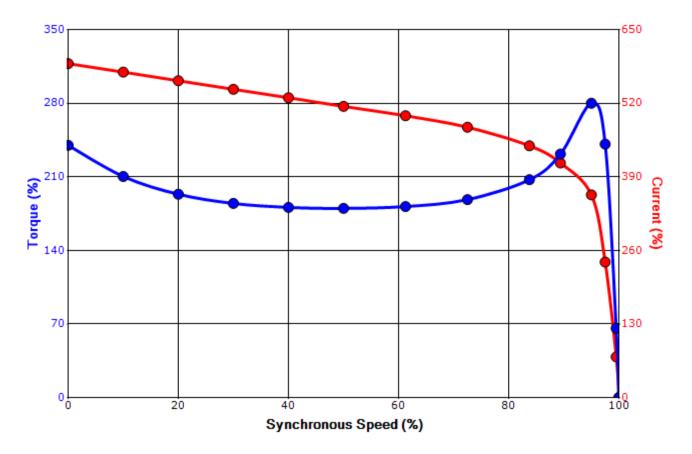
Issued Date	6/20/2025	Transmit #	
Issued By	dschoeck	Issued Rev	

## SPEED TORQUE/CURRENT CURVE

Model: 0154XDSB47A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
15	11	4	1770	254TC	460	60	3	20
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
Leeked Deter	Rotor wk <sup>2</sup>				Torque			
Locked Rotor Amps	Inertia	Full Load	Locked	Rotor	Pull Up	)	Break	Down
Allips	(lb-ft²)	(lb-ft)	(%	<b>5</b> )	(%)		(%	<b>6</b> )
118	2.32	44.5	24	0	185		28	30

# Design Values





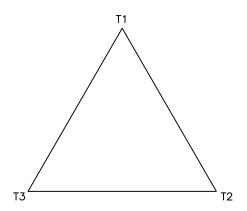
Customer	wk² Load Inertia (Ib-f	2) -
Customer PO	Load Typ	е -
Sales Order	Voltage (%	6) 100
Project #	Accel. Tim	е -

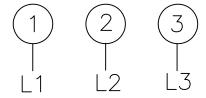
Tag:

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 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.

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



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### **SPARE PARTS LIST\***

Model: 0154XDSB47A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
15	11	4	1770	254TC	460	60	3	20
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 / 45BC03J3OX

 Bearings NDE
 6309C3 / 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 average expected values.

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