

UNITS: INCHES		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)
ROTATION FROM NDE		
<div><div><div></div></div><div><div>X</div><div>CCW</div></div></div>	<div><div><div></div></div><div><div></div><div>CW</div></div></div>	

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

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TOSHIBA PETRO-CHEMICAL DUTY
www.toshiba.com/tic **EQP Global 841**
TOSHIBA INTERNATIONAL CORPORATION

TOTALLY ENCLOSED FAN COOLED
 ROUND BODY C-FACED
 3 PHASE INDUCTION MOTOR
 254TC-256TC F1 ASSEMBLY

DRAWING #: MDSLV285-04
 REV. DATE: 06/30/18 REV. #: 2 PER.: M. O'DOWD
 REV. DESCRIP.:

TYPICAL MOTOR PERFORMANCE DATA

Model: 0154XDSB44A-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	B		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		
Locked Rotor			118		

Torque				Rotor wk² Inertia (lb-ft²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
44.5	240	185	280	2.32

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
35	15	-	6309C3	6309C3	300

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

Motor Options:
Product Family:EQP Global 841
Mounting:C-Face Round,Shaft:T Shaft

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values.

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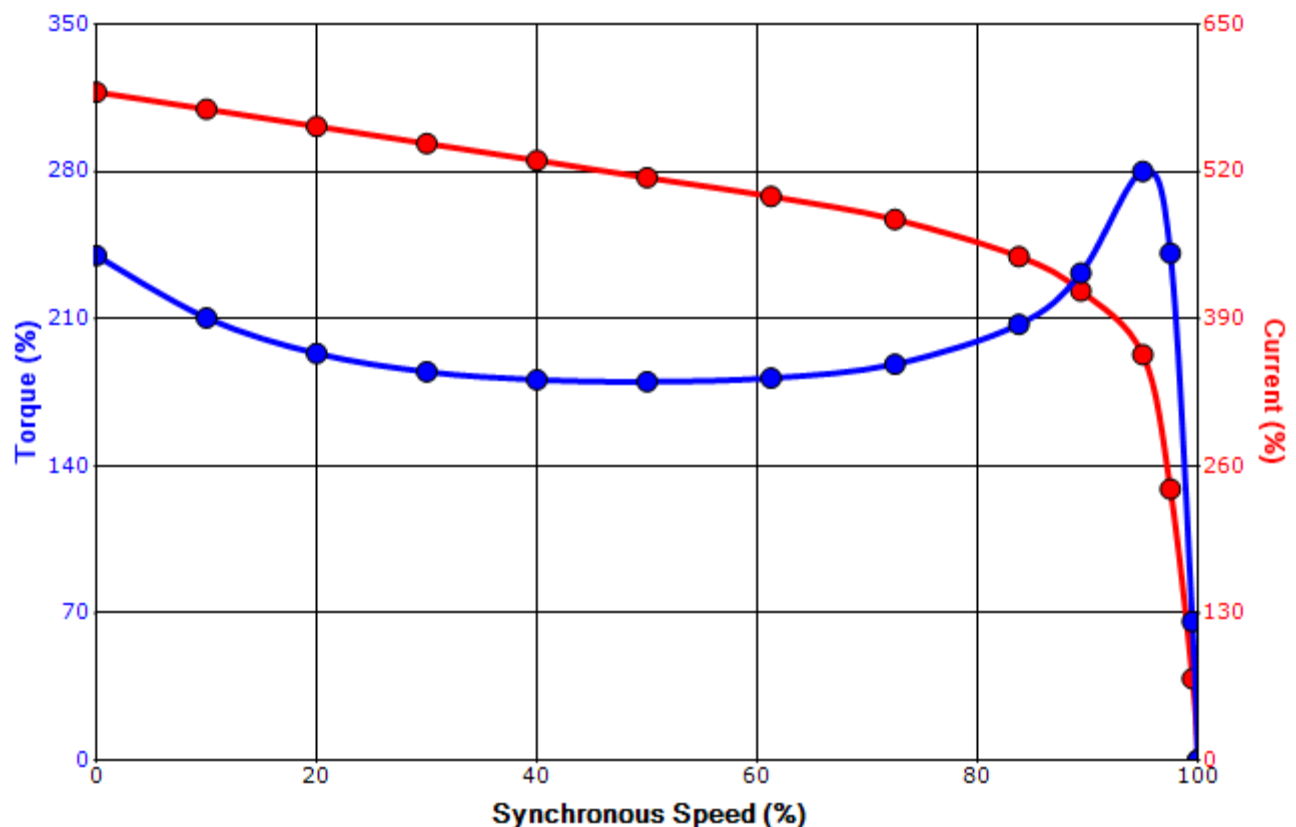
Engineering	bammen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	5/5/2025	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

SPEED TORQUE/CURRENT CURVE

Model: 0154XDSB44A-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	B		40 C
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque						
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)		Break Down (%)		
118	2.32	44.5	240	185		280		

Design Values



Customer		wk ² Load Inertia (lb-ft ²)	-
Customer PO		Load Type	-
Sales Order		Voltage (%)	100
Project #		Accel. Time	-

Tag:

All characteristics are average expected values.

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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.

SPARE PARTS LIST*

Model: 0154XDSB44A-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	B		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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