

UNITS: INCHES

ROTATION FROM NDE

X CCW CW

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
HORIZONTAL FOOT MOUNTED
3 PHASE INDUCTION MOTOR
182T-184T F1 ASSEMBLY

DRAWING #: MDSLV041-02

REV. DATE: 06/22/18 REV. #: 1 PER.: M. O'DOWD

REV. DESCRIP.:



Issued Date	10/13/2025	Transmit #	
Issued By	dschoeck	Issued Rev	

TYPICAL MOTOR PERFORMANCE DATA

Model: 0054XSSB41A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
5	3.7	4	1755	184T	460	60	3	6.3
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.15	CONT	89.5	В		40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	5.00	3.7	6.4	89.9	82.0
¾ Load	3.75	2.8	5.1	89.7	76.7
∕₂ Load	2.50	1.9	4.0	87.7	66.2
4 Load	1.25	0.9	2.7	82.1	52.8
No Load			2.7		5.9
ocked Rotor			46		47.8

Torque						
Full Load	Full Load Locked Rotor Pull Up Break Down					
(lb-ft)	(% FLT)	(% FLT)	(% FLT)	(lb-ft²)		
15.0	275	205	325	0.50		

Safe Stall Time(s)		Sound	Rearin	Approx. Motor Weight		
Cold	Hot	Pressure	Bearings*		Approx. Motor Weight	
Cold		dB(A) @ 1M	DE NDE		(lbs)	
35	15	-	6306ZZC3	6306ZZC3	111	

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

Motor Options: Product Family:EQP Global 840 Mounting: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	9/3/2025	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011		



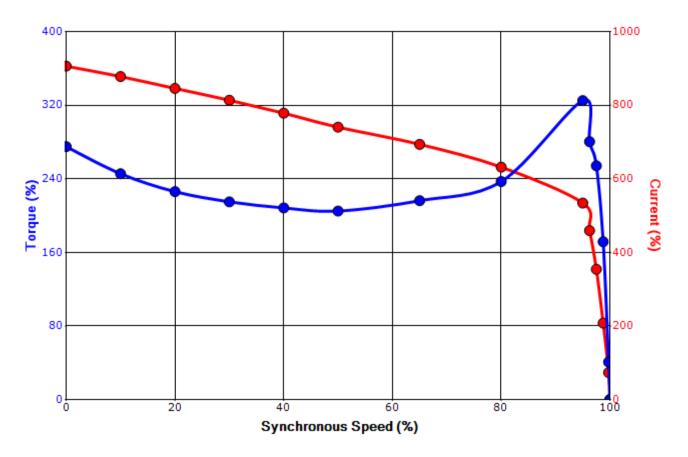
Issued Date	10/13/2025	Transmit #	
Issued By	dschoeck	Issued Rev	

SPEED TORQUE/CURRENT CURVE

Model: 0054XSSB41A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
5	3.7	4	1755	184T	460	60	3	6.3
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.15	CONT	89.5	В		40 C
Laskad Datas	Rotor wk ²	Torque						
Locked Rotor Amps	Inertia	Full Load	Full Load Locked Rotor		Pull Up		Break Down	
Allips	(lb-ft²)	(lb-ft)	(%	(%)			(%	%)
46	0.50	15.0	275		205		32	25

Design Values





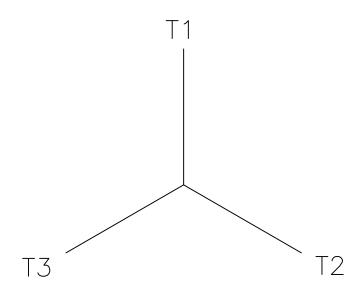
Customer	wk² Load Inertia (lb	ft²) -
Customer PO	Load T	/pe -
Sales Order	Voltage	(%) 100
Project #	Accel. T	me -

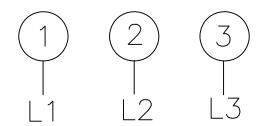
Tag:

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			
Engr. Date	9/3/2025	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011			

Motor Connection Diagram 3 Leads - Wye Connection Single Voltage





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: Date: Revision 0