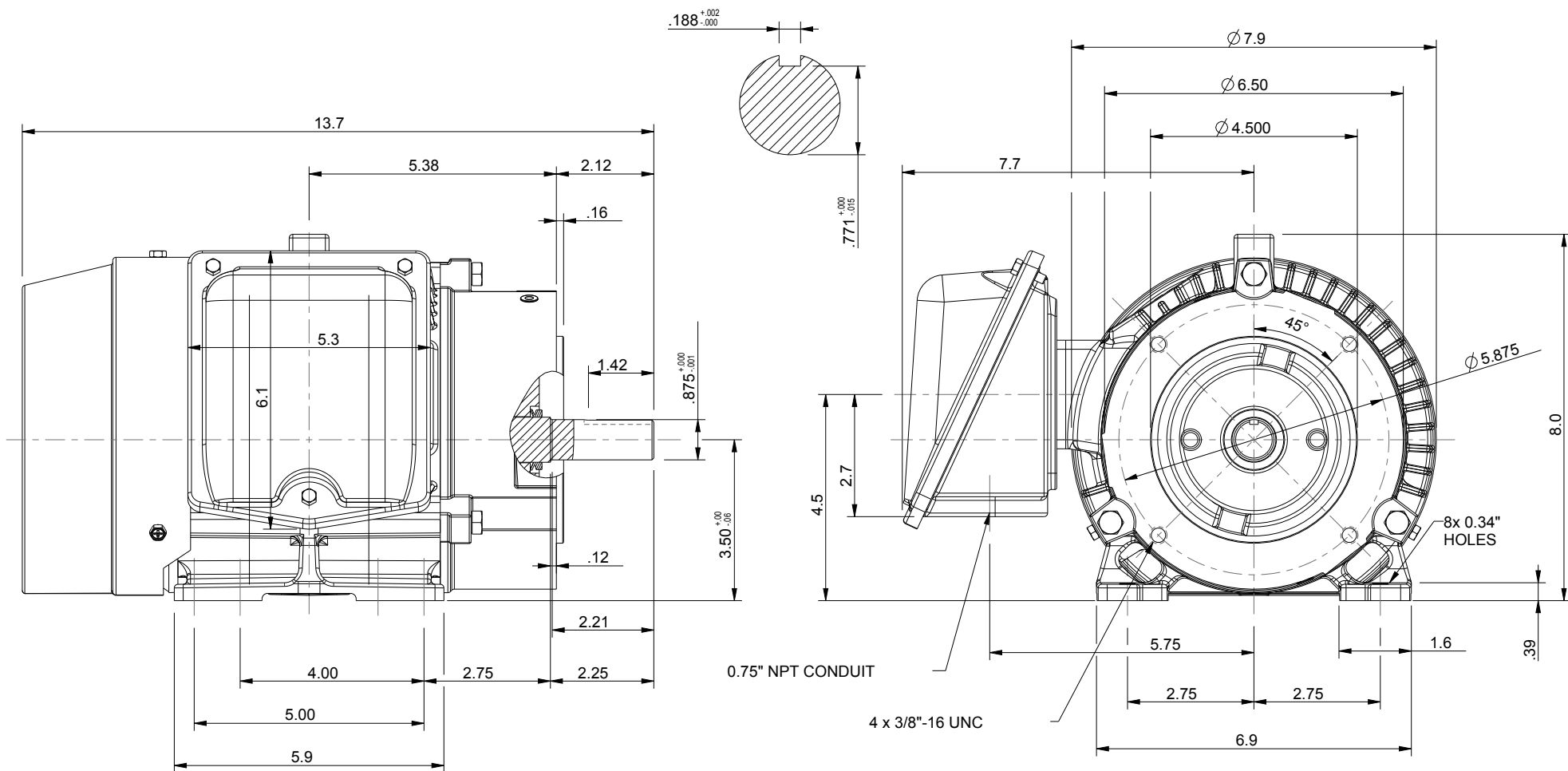




UNITS: INCHES		NOTES: 1. MAIN CONDUIT BOX MAY BE ROTATED IN 90° INCREMENTS 2. STANDARD PRODUCT USES BI-DIRECTIONAL FAN. OPPOSITE ROTATION AVAILABLE ONLY BY CONNECTION CHANGE. 3. KEY DIMENSIONS EQUAL 0.188"x 0.188"x 1.38" (MOTOR SUPPLIED WITH KEY)
ROTATION FROM NDE		
 X CCW	 CW	

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TOSHIBA SEVERE DUTY www.toshiba.com/tic EQP Global SD TOSHIBA INTERNATIONAL CORPORATION	TOTALLY ENCLOSED FAN COOLED FOOTED C-FACED (NEMA BA) 3 PHASE INDUCTION MOTOR 143TC-145TC F1 ASSEMBLY	DRAWING #: MDSL005-01	
		REV. DATE: 06/20/18	REV. #: 4 PER.: M. O'DOWD
		REV. DESCRIP.: _____	

TYPICAL MOTOR PERFORMANCE DATA

Model: Y154SDSC47A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
1.50	1.1	4	1755	145TC	575	60	3	1.8
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.15	CONT	86.5	B		40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	1.50	1.1	1.8	86.5	70.4
¾ Load	1.12	0.8	1.5	85.0	62.7
½ Load	0.75	0.6	1.2	81.7	54.1
¼ Load	0.37	0.3	1.1	70.7	36.2
No Load			1.1		
Locked Rotor			15.6		

Torque				Rotor wk² Inertia (lb-ft²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
4.49	275	205	385	0.13

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
30	25	-	6305ZZC3	6305ZZC3	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.

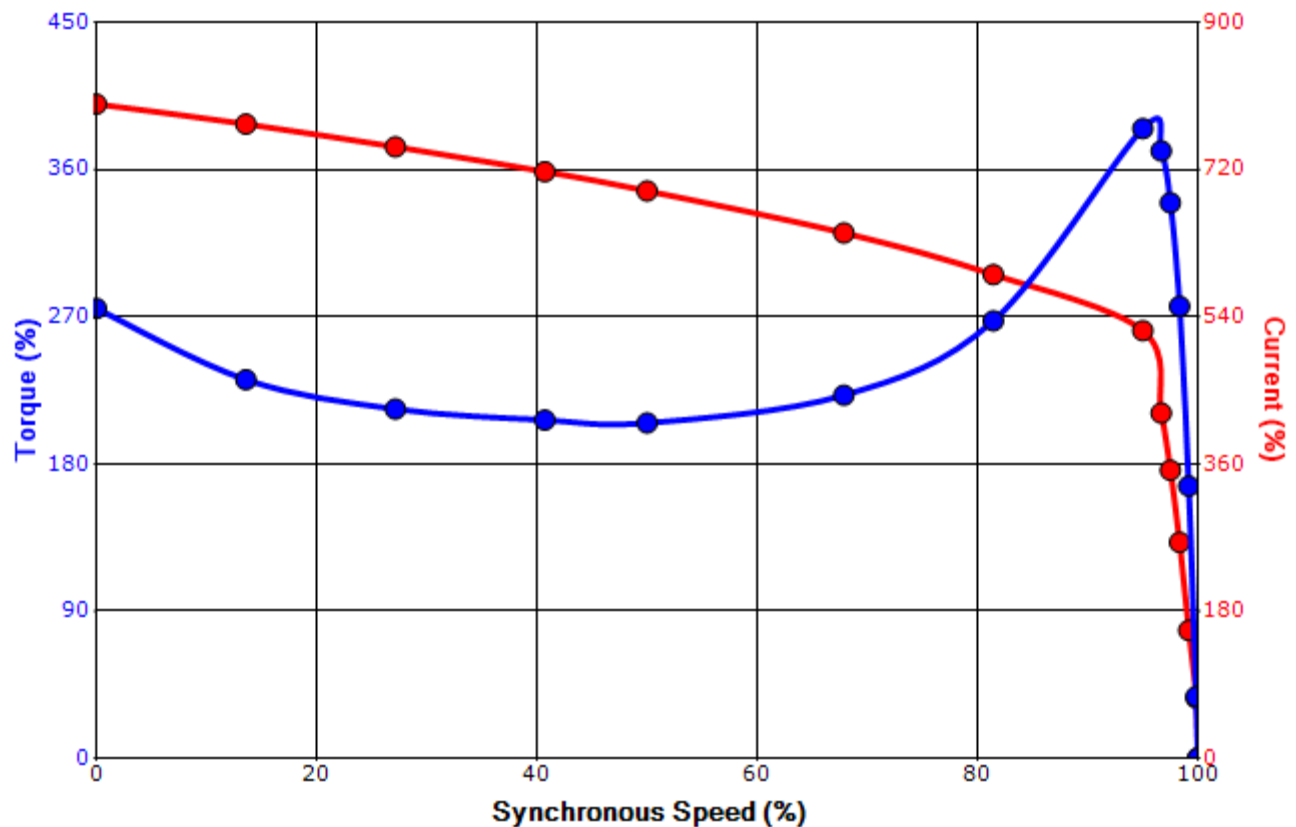
Engineering	bammen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	7/17/2024	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

SPEED TORQUE/CURRENT CURVE

Model: Y154SDSC47A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
1.50	1.1	4	1755	145TC	575	60	3	1.8
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.15	CONT	86.5	B		40 C
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque						
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)		Break Down (%)		
15.6	0.13	4.49	275	205		385		

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.

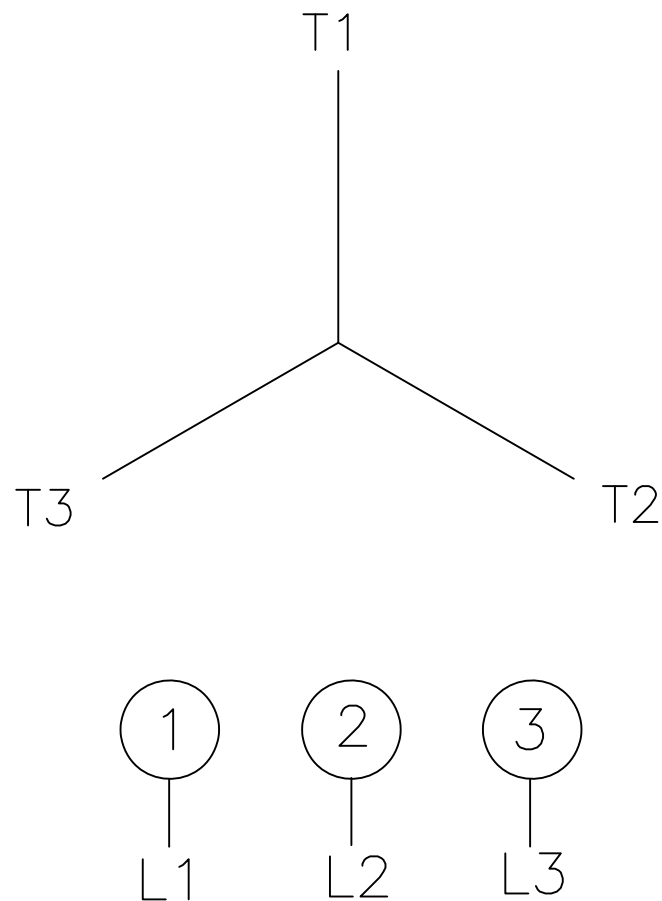
TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.

Engineering	bmammen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0
Engr. Date	7/17/2024	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.