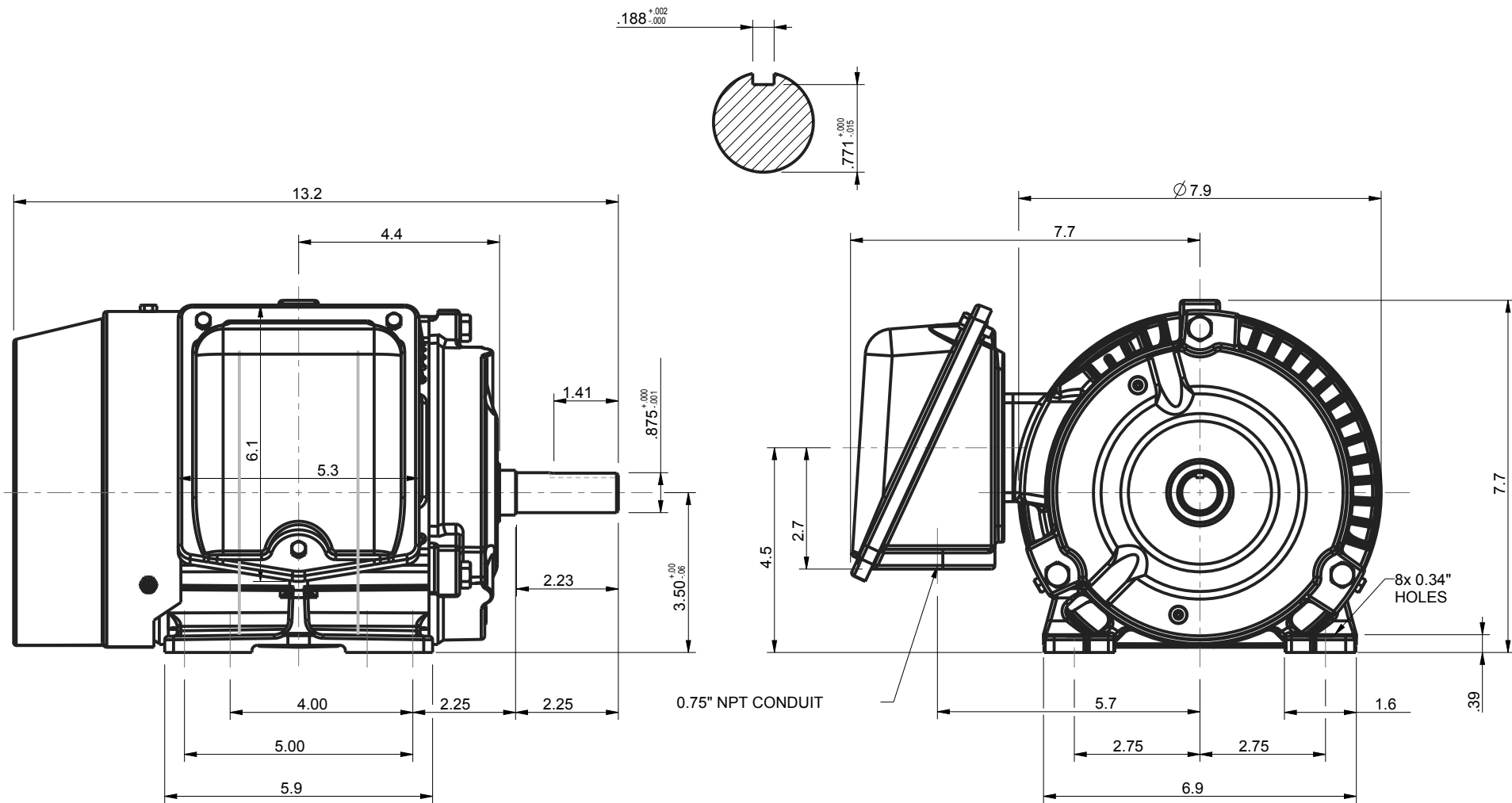




UNITS: INCHES		NOTES: 1. MAIN CONDUIT BOX MAY BE ROTATED IN 90° INCREMENTS 2. STANDARD PRODUCT USES BI-DIRECTIONAL FAN. OPPOSITE ROTATION AVAILABLE ONLY BY CONNECTION CHANGE. 3. KEY DIMENSIONS EQUAL 0.188"x 0.188"x 1.38" (MOTOR SUPPLIED WITH KEY)
ROTATION FROM NDE		
☒ CCW	☐ CW	

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DO NOT USE FOR CONSTRUCTION, INSTALLATION, OR APPLICATION PURPOSES UNLESS THE DRAWING IS MARKED AS CERTIFIED	☒ CERTIFIED

TOSHIBA www.toshiba.com/tic TOSHIBA INTERNATIONAL CORPORATION	SEVERE DUTY 	TOTALLY ENCLOSED FAN COOLED HORIZONTAL FOOT MOUNTED 3 PHASE INDUCTION MOTOR 143T-145T F1 ASSEMBLY	DRAWING #: MDSL001-01 REV. DATE: 06/19/18 REV. #: 4 PER.: M. O'DOWD REV. DESCRIP.:

TYPICAL MOTOR PERFORMANCE DATA

Model: 0016XSSB41A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
1	0.75	6	1170	145TC	460	60	3	1.80
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.15	CONT	82.5	B	L	40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	1	0.7	1.8	82.9	65.6
¾ Load	0.75	0.6	1.4	81.8	57.8
½ Load	0.50	0.4	1.2	77.8	45.9
¼ Load	0.25	0.2	1.1	65.3	30.7
No Load			1.2		7.6
Locked Rotor			12.5		68.3

Torque				Rotor wk² Inertia (lb-ft²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
4.49	240	175	350	0.18

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
47.4	38.1	-	6205ZZC3	6205ZZC3	66

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

Motor Options:

Product Family:EQP Global 840
Mounting:C-Face Footed,Shaft:T Shaft

Customer		
Customer PO		
Sales Order		
Project #		

Tag:

All characteristics are average expected values.

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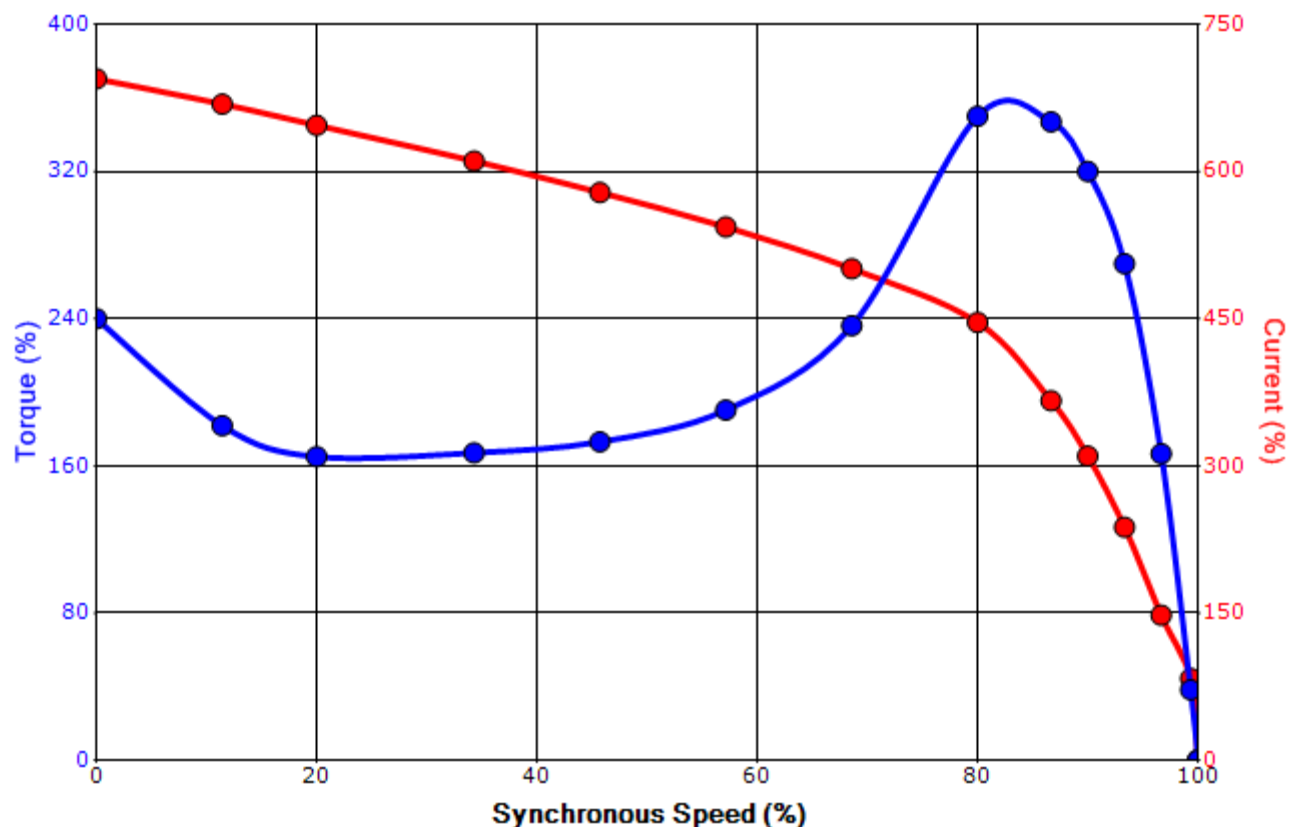
Engineering	jaustin	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	7/7/2014	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

SPEED TORQUE/CURRENT CURVE

Model: 0016XSSB41A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
1	0.75	6	1170	145TC	460	60	3	1.80
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.15	CONT	82.5	B	L	40 C
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque						
		Full Load (lb-ft)	Locked Rotor (%)		Pull Up (%)		Break Down (%)	
12.5	0.18	4.49	240		175		350	

Design Values



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

Tag:

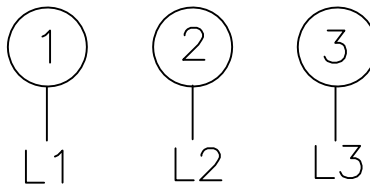
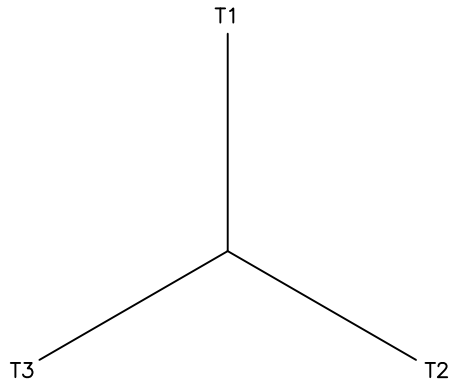
All characteristics are average expected values.

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Engineering	jaustin	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0
Engr. Date	7/7/2014	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

Motor Connection Diagram

3 Leads - Wye 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.