

UNITS: INCHES
 ROTATION FROM ODE
 CCW CW

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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 0.1875*0.1875*1.378" (MOTOR SUPPLIED WITH KEY)

TOSHIBA
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EQP Global
 SD
 TOSHIBA INTERNATIONAL CORPORATION

TOTALLY ENCLOSED FAN COOLED
 ROUND BODY C-FACED
 3 PHASE INDUCTION MOTOR
 56C/56HC F1 ASSEMBLY

DRAWING #: 3HFN000613/MDSL V125-03
 REV. DATE: 2/14/20 REV. #: 1 PER.: N.Danh
 REV. DESCRIP.: Remove dimension KEY

TYPICAL MOTOR PERFORMANCE DATA

Model: 0016SDSR44H-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
1	0.75	6	1165	56C	230/460	60	3	3.4/1.7
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		40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	1.00	0.7	1.7	83.9	65.8
¾ Load	0.75	0.6	1.4	82.6	57.3
½ Load	0.50	0.4	1.2	79.6	48.9
¼ Load	0.25	0.2	1.0	67.7	31.7
No Load			1.1		7.5
Locked Rotor			11.7		55.6

Torque				Rotor wk ² Inertia (lb-ft ²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
4.51	250	180	275	0.18

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
35	15		6305ZZ	6305ZZ	56

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

Motor Options:
Mounting:C-Face Round,Shaft:56

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values.

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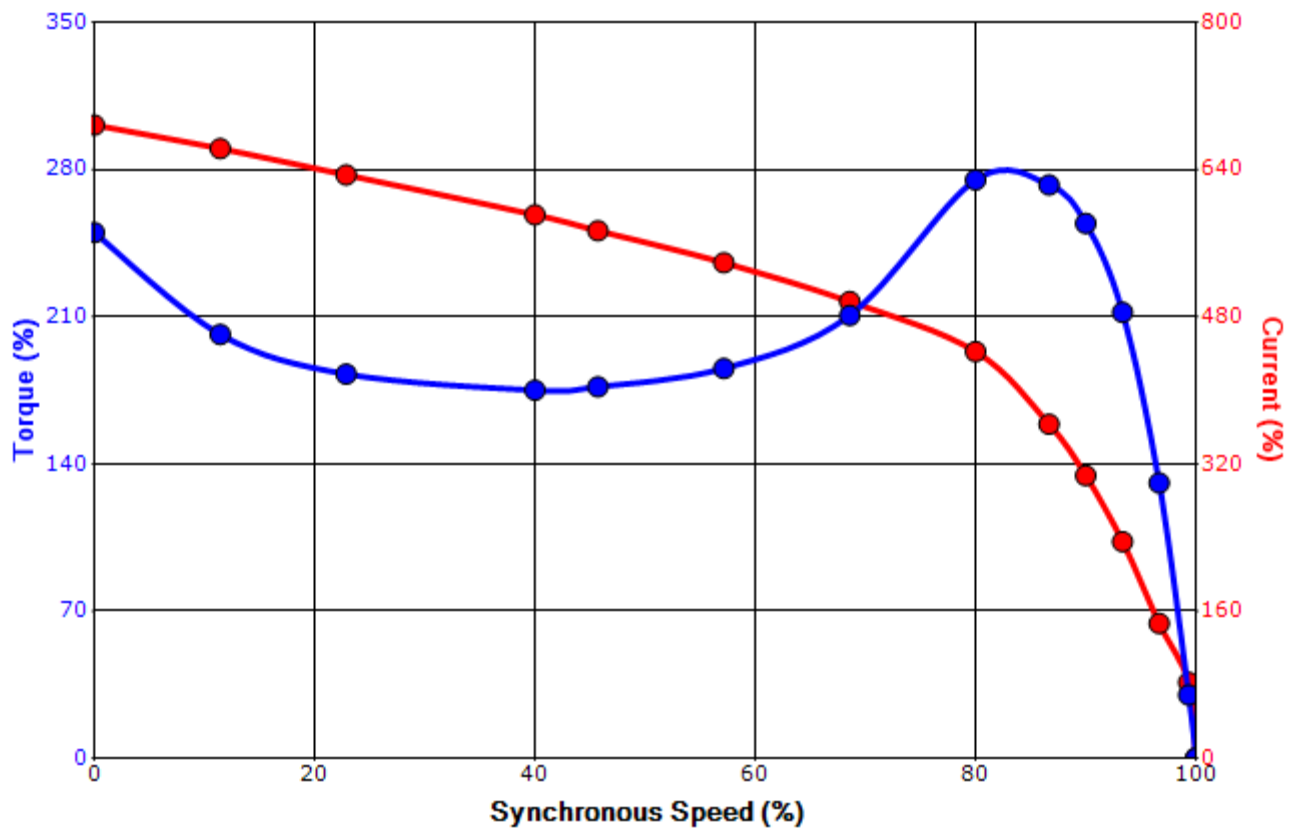
Engineering	spinzon	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	8/5/2024	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

SPEED TORQUE/CURRENT CURVE

Model: 0016SDSR44H-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
1	0.75	6	1165	56C	230/460	60	3	3.4/1.7
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		40 C
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque						Break Down (%)
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)				
11.7	0.18	4.51	250	180			275	

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.

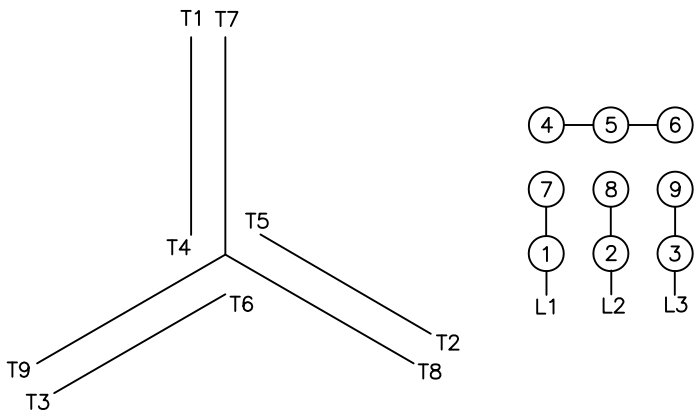
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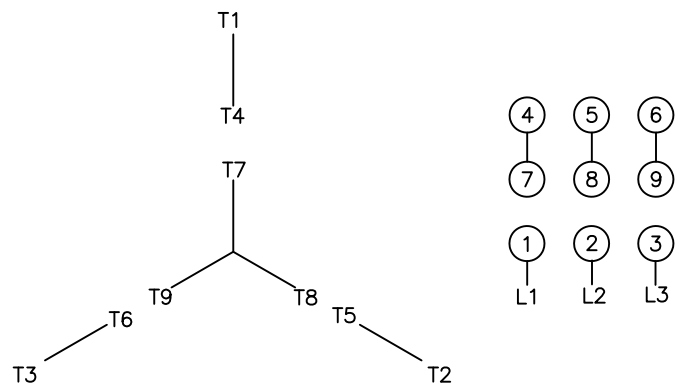
Motor Connection Diagrams 9 Leads

Across-the-Line Starting / Running Connections

Low Voltage Wye



High Voltage Wye



Switch L1 and L2 to reverse rotation