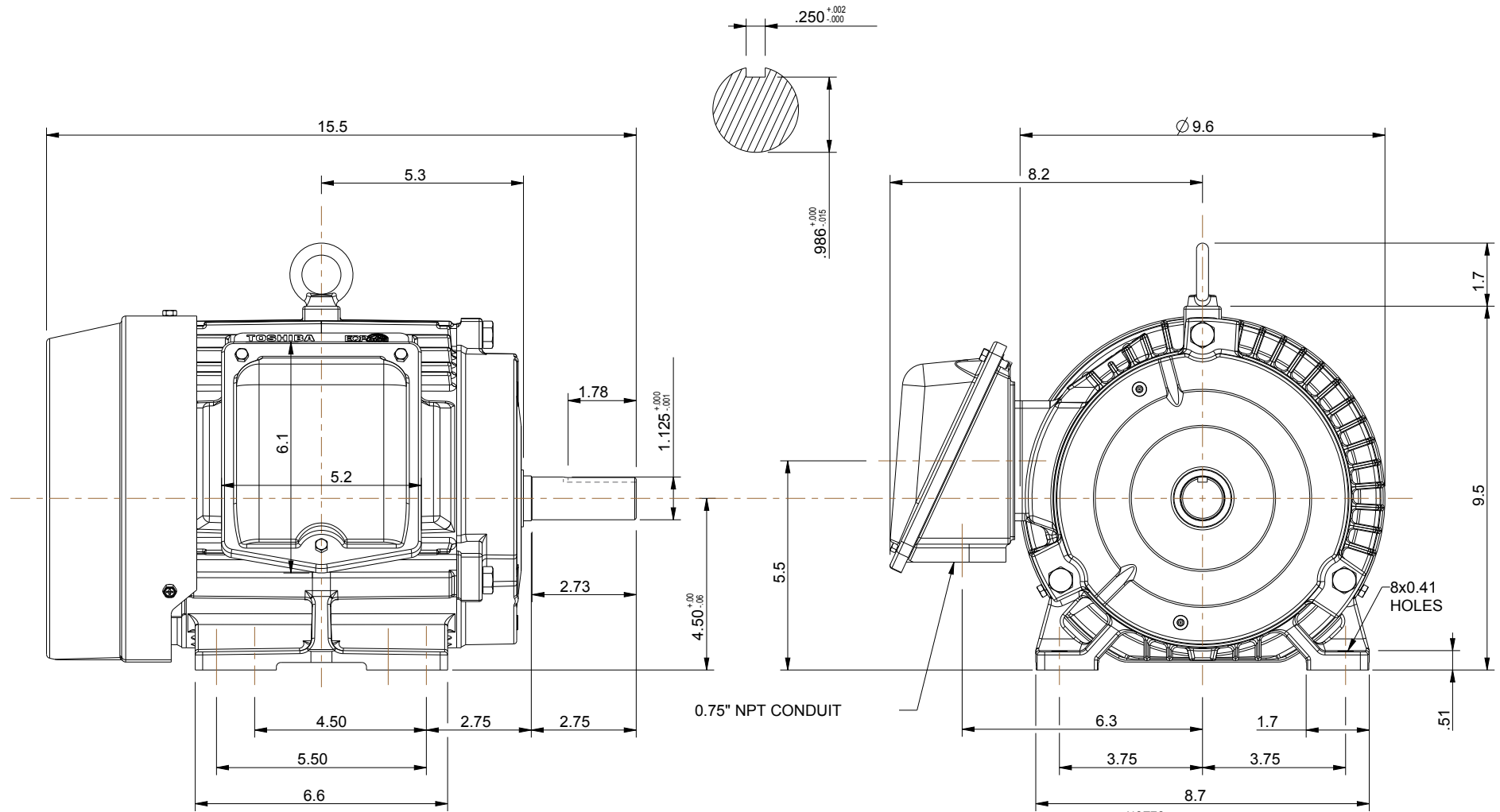




NOTES:

1. MAIN CONDUIT BOX MAY BE ROTATED IN 90° INCREMENTS
2. STANDARD PRODUCT USE BI-DIRECTIONAL FAN. OPPOSITE ROTATION AVAILABLE ONLY BY CONNECTION CHANGE.
3. KEY DIMENSIONS EQUAL (MOTOR SUPPLIED WITH KEY)

0.250" x 0.250" x 1.75"

UNITS: INCHES

TOSHIBA RESERVES THE RIGHT TO MAKE CHANGES OF TECHNICAL IMPROVEMENT WITHOUT NOTICE. DO NOT USE FOR CONSTRUCTION, INSTALLATION, OR APPLICATION PURPOSES UNLESS THE DRAWING IS CERTIFIED.

**180T TEFC FRAME
F1 ASSEMBLY**

MDSL001-02

TOSHIBA

TOSHIBA INTERNATIONAL CORPORATION

TOLERANCES

.X	.1
.XX	.03
.XXX	.005
.XXXX	.0005

MAXIMUM
MOTOR WEIGHT

97 lbs.
44 kgs.

NO	REVISION	DRAWN BY	DATE	CHECK
2	CHANGE "U" DIMENSION (OVERRIDE VALUE)	M. O'DOWD	07/12/13	JR
1	ADDED KEY DIMENSIONS	S. CLANCY	08/08/12	JR
0	FIRST ISSUE	N. MOMIN	09/02/10	JR

EQP Global SD
XT SERIES

DRAWN BY: N. MOMIN
CHECK BY: J. RUSSELL
APPROVED BY:

www.toshiba.com/ind

TYPICAL MOTOR PERFORMANCE DATA

Model: 0032SDSR41A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
3	2.2	2	3500	182T	230/460	60	3	8/4
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	54	F	1.15	CONT	86.5	B	J	40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	3	2.2	3.7	86.7	88.8
¾ Load	2.25	1.7	2.8	86.5	85.5
½ Load	1.50	1.1	2.0	84.5	78.0
¼ Load	0.75	0.6	1.5	77.0	59.1
No Load			1.2		
Locked Rotor			29.00		

Torque				Rotor wk² Inertia (lb-ft²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
4.5	195	175	335	0.13

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

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

Motor Options:
Product Family:EQP Global SD
Mounting:Footed,Shaft:T Shaft

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values. The declared locked rotor current has a tolerance of 20%.

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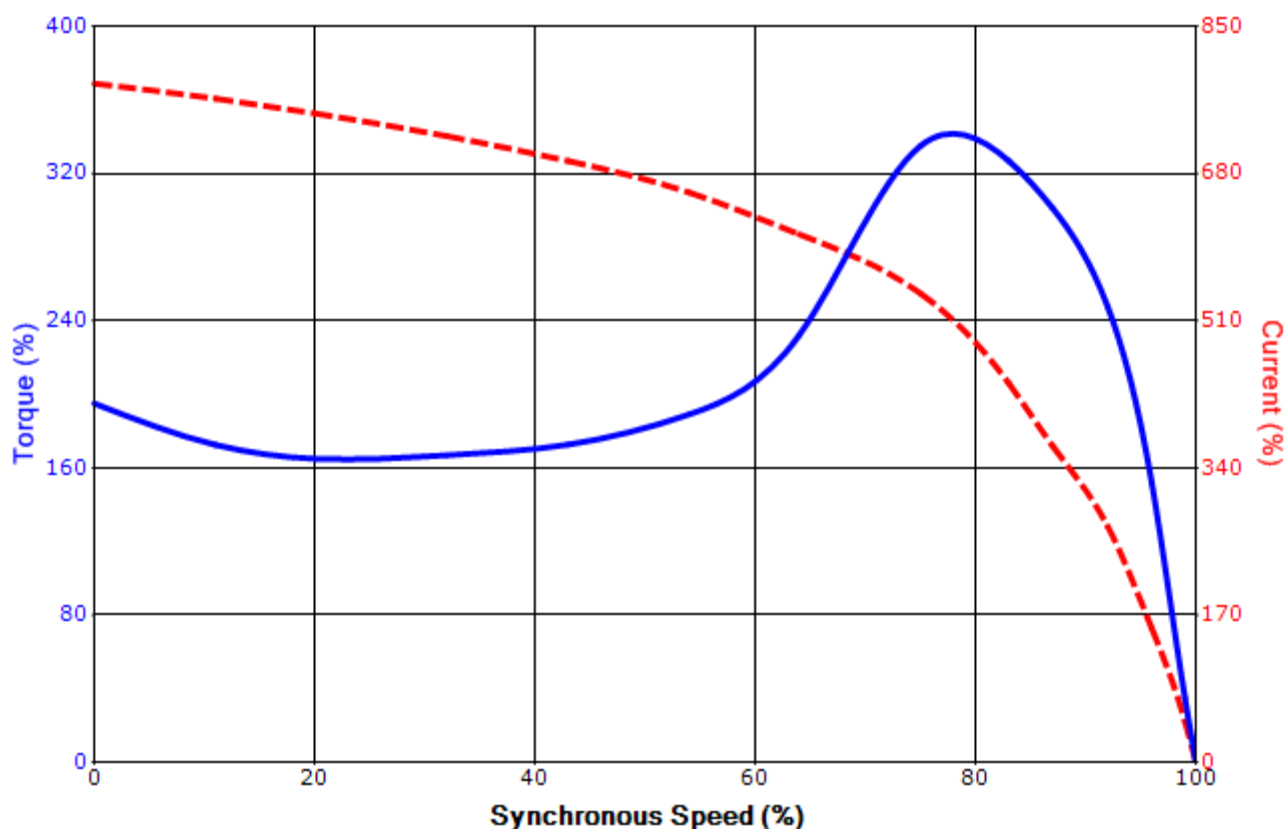
Engineering	mcampbell	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 1
Engr. Date	2/27/2012	Doc. Approved By	M. Campbell	Doc. Issued	7/31/2013

SPEED TORQUE/CURRENT CURVE

Model: 0032SDSR41A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
3	2.2	2	3500	182T	230/460	60	3	8/4
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	54	F	1.15	CONT	86.5	B	J	40 C
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque						
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)		Break Down (%)		
29.00	0.13	4.5	195	175		335		

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	mcampbell	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0
Engr. Date	2/27/2012	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

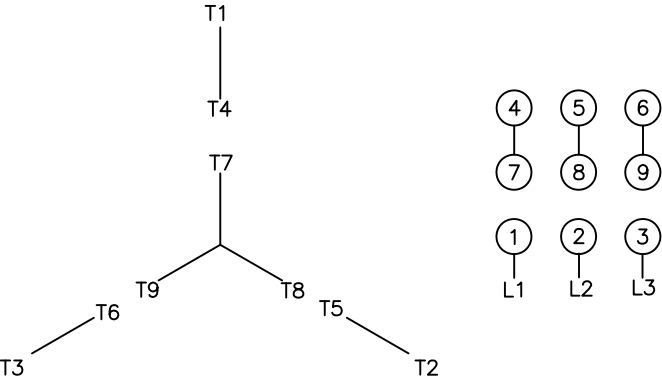
Motor Connection Diagrams
9 Leads

Across-the-Line Starting / Running Connections

Low Voltage Wye



High Voltage Wye



Switch L1 and L2 to reverse rotation