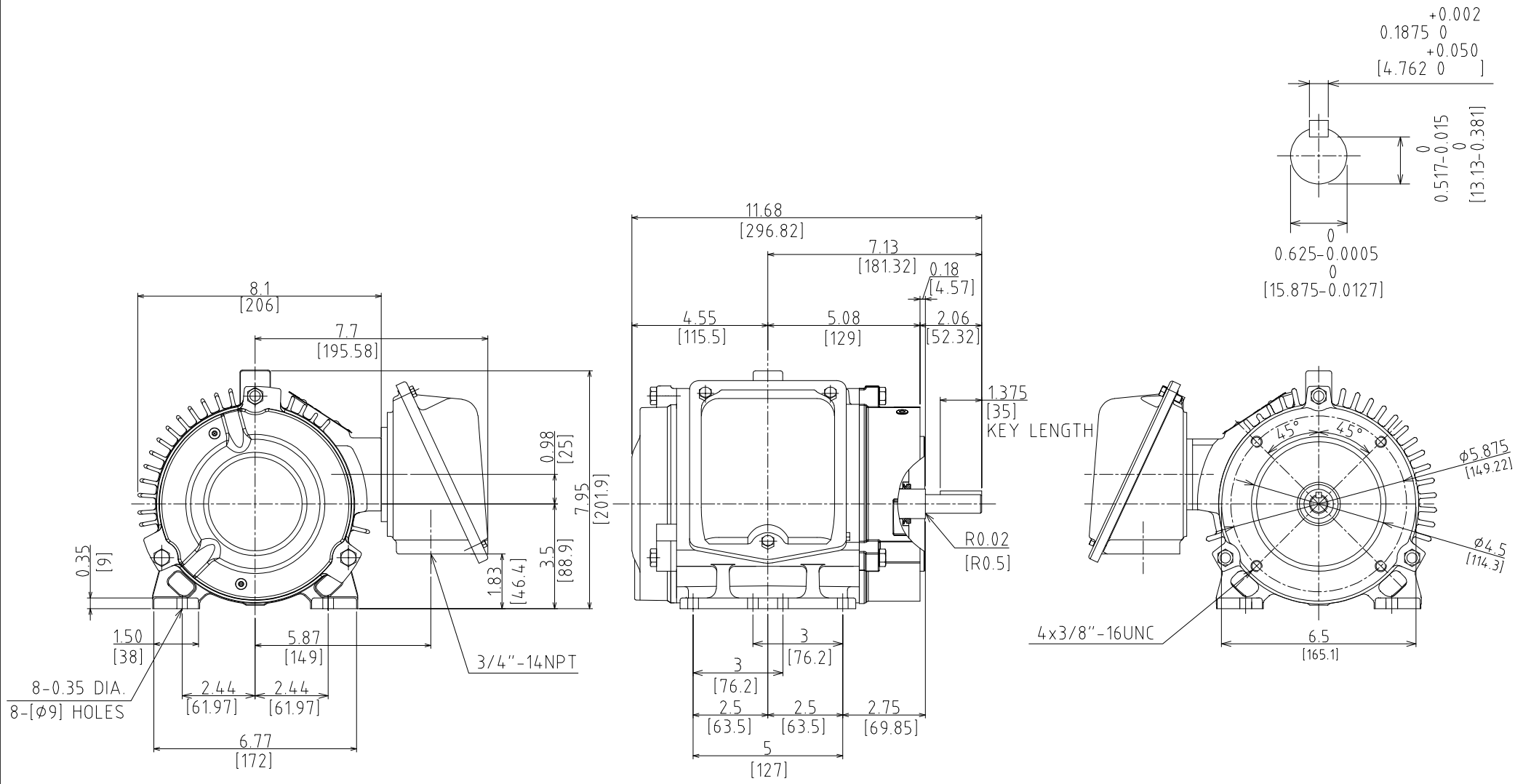

UNITS: INCHES

ROTATION FROM ODE

[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 0.1875"X0.1875"X1.378" (MOTOR SUPPLIED WITH KEY)

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www.toshiba.com/tic

TOSHIBA INTERNATIONAL CORPORATION

EQP Global SD

TOTALLY ENCLOSED NONVENTILATED
FOOTED C-FACED
3 PHASE INDUCTION MOTOR
56C-56HC F1 ASSEMBLY

DRAWING #: 3HFN000618/MDSLV126-02

REV. DATE: 02/14/20 REV. #: 1 PER.: -

REV. DESCRIP.: Remove KEY dimensions

Issued Date	5/11/2023	Transmit #	
Issued By	dschoeck	Issued Rev	

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TYPICAL MOTOR PERFORMANCE DATA

Model: 1/24FNSC32H-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
0.50	0.37	4	1760	56C	575	60	3	0.6
Enclosure	**IP**	**Ins. Class**	**S.F.**	**Duty**	**NEMA Nom. Eff.**	**NEMA Design**	**kVA Code**	**Ambient (°C)**
TENV	55	F	1.25	CONT	84.0	-		40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	0.50	0.4	0.6	84.8	71.6
¾ Load	0.38	0.3	0.5	82.8	63.4
½ Load	0.25	0.2	0.4	77.9	51.4
¼ Load	0.13	0.1	0.4	64.6	34.1
No Load			0.3		
Locked Rotor			5.1		51.9

Torque				Rotor wk² Inertia
Full Load (lb-ft)	**Locked Rotor (% FLT)**	**Pull Up (% FLT)**	**Break Down (% FLT)**	**(lb-ft²)**
1.49	285	215	400	0.11

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight
Cold	**Hot**		**DE**	**NDE**	**(lbs)**
35	15		6305ZZ	6305ZZ	53

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

Motor Options:
Mounting:C-Face Footed,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	8/4/2022	**Doc. Approved By**	M. Campbell	**Doc. Issued**	6/8/2011

Issued Date	5/11/2023	Transmit #	
Issued By	dschoeck	Issued Rev	

TOSHIBA
Leading Innovation >>>

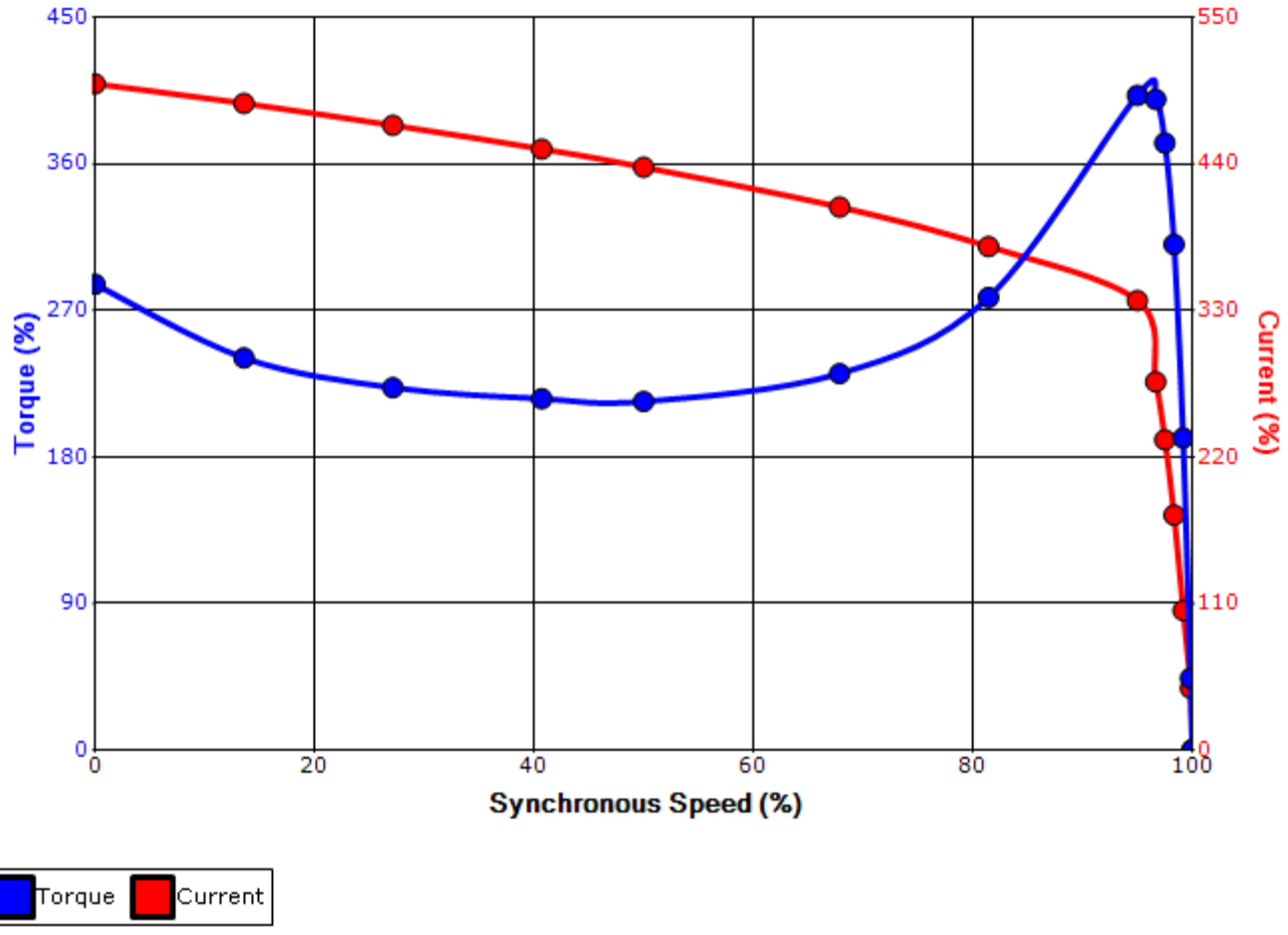
SPEED TORQUE/CURRENT CURVE

Model: 1/24FNSC32H-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
0.50	0.37	4	1760	56C	575	60	3	0.6
Enclosure	**IP**	**Ins. Class**	**S.F.**	**Duty**	**NEMA Nom. Eff.**	**NEMA Design**	**kVA Code**	**Ambient (°C)**
TENV	55	F	1.25	CONT	84.0	-		40 C

Locked Rotor Amps	Rotor wk² Inertia (lb-ft²)	Torque			
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)	Break Down (%)
5.1	0.11	1.49	285	215	400

Design Values



Customer			**wk² Load Inertia (lb-ft²)**	-
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	SPinzon	**Doc. Written By**	D. Suarez	**Doc.# / Rev**	MPCF-1121 / 0
Engr. Date	8/4/2022	**Doc. Approved By**	M. Campbell	**Doc. Issued**	6/8/2011

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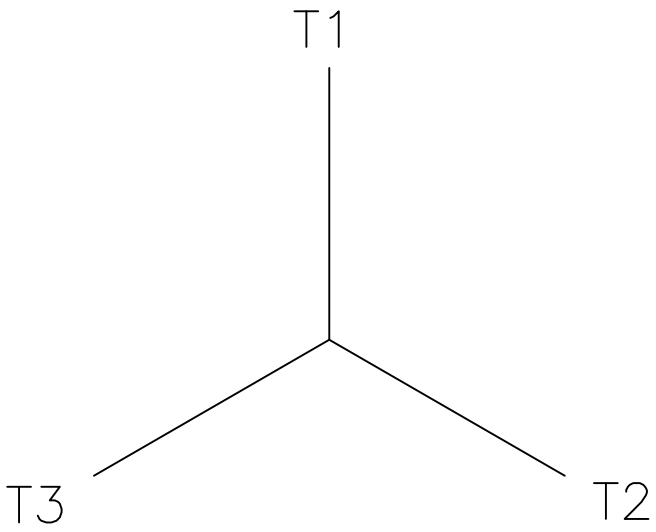
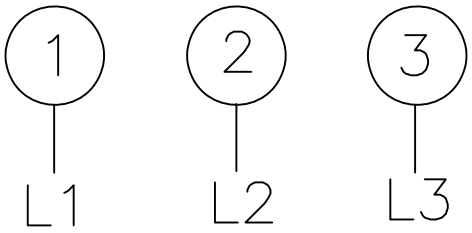
3SY

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