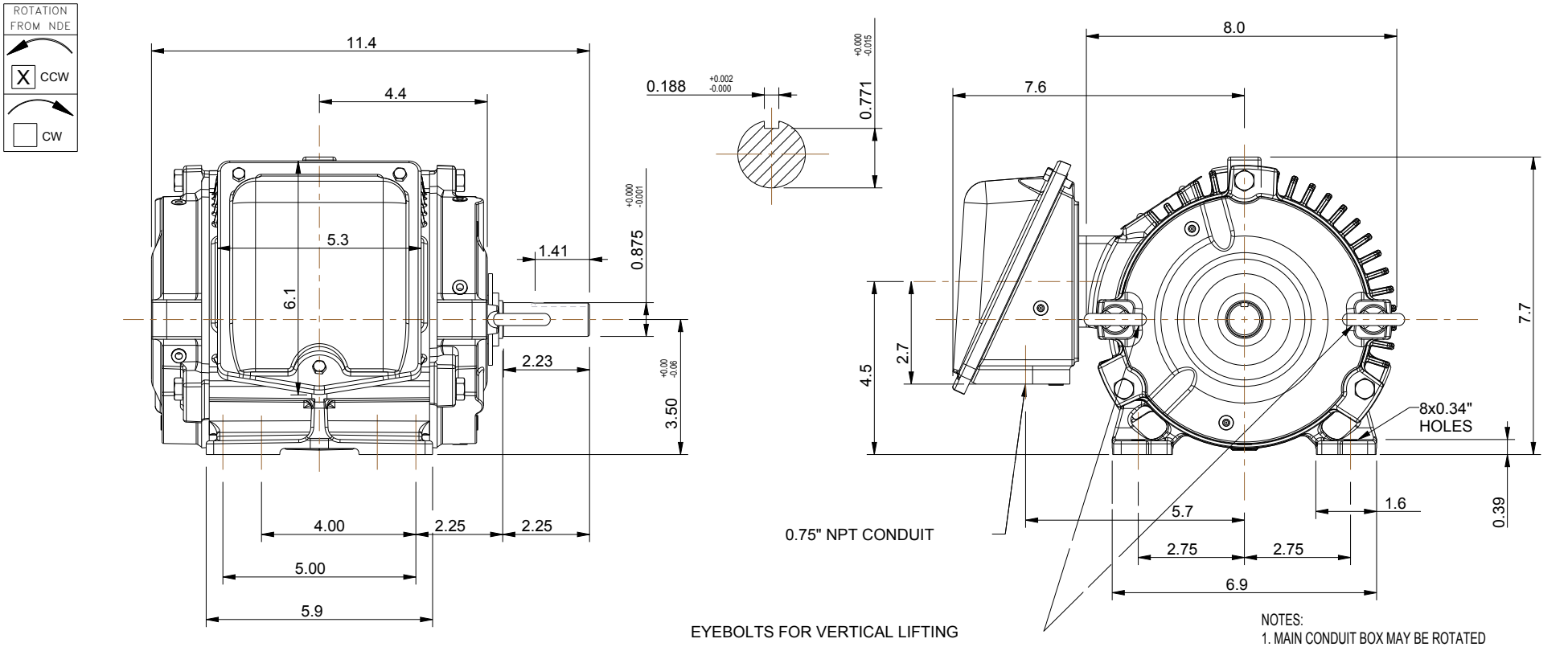

UNITS: INCHES

BEARINGS		APPROX. WEIGHT
LS	OS	
6305ZZC3	6305ZZC3	56 lbs

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) 0.188" x 0.188" x 1.38"

CUSTOMER: _____ MOTOR MODEL NO.: _____

P.O. NO.: _____ HP: _____ VOLTAGE: _____ RPM(SYN.): _____ HZ: _____

FRAME SIZE: 140T PRODUCT TYPE: COOLING TOWER

COMMENTS: _____

PER: J. HOCK DATE: 01/24/17

TAG NUMBERS

- [X] STANDARD (NO AUX. BOXES)
- [ ] RTD AUX. BOX
- [ ] SPACE HEATER AUX. BOX
- [ ] BEARING RTD's

TOSHIBA RESERVES THE RIGHT TO MAKE CHANGES OF TECHNICAL IMPROVEMENT AND THE DATA MAY CHANGE WITHOUT NOTICE

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

- [X] PRELIMINARY
- [ ] CERTIFIED

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MDSLV505-01
TOTALLY ENCLOSED AIR OVER
3 PHASE INDUCTION MOTOR
F1 ASSEMBLY

SEVERE DUTY EQP Global CT

XT SERIES

www.toshiba.com/ind

Issued Date	8/27/2025	Transmit #	
Issued By	dschoeck	Issued Rev	

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TYPICAL MOTOR PERFORMANCE DATA

Model: Y154FAGC41A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
1.50	1.1	4	1760	145T	575	60	3	1.9
Enclosure	**IP**	**Ins. Class**	**S.F.**	**Duty**	**NEMA Nom. Eff.**	**NEMA Design**	**kVA Code**	**Ambient (°C)**
TEAO	56	F	1.15	CONT	86.5	A		40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	1.50	1.1	1.9	84.9	69.7
¾ Load	1.12	0.8	1.6	83.4	62.1
½ Load	0.75	0.6	1.3	80.2	53.5
¼ Load	0.37	0.3	1.1	69.4	35.9
No Load			1.2		8.0
Locked Rotor			16.1		56.9

Torque				Rotor wk² Inertia
Full Load (lb-ft)	**Locked Rotor (% FLT)**	**Pull Up (% FLT)**	**Break Down (% FLT)**	**(lb-ft²)**
4.48	350	265	380	0.13

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight
Cold	**Hot**		**DE**	**NDE**	**(lbs)**
30	25	-	6305ZZC3	6305ZZC3	53

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

Motor Options:
Product Family:EQP Global Cooling Tower
Mounting: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	bmammen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	6/23/2025	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

Issued Date	8/27/2025	Transmit #	
Issued By	dschoeck	Issued Rev	

TOSHIBA
Leading Innovation >>>

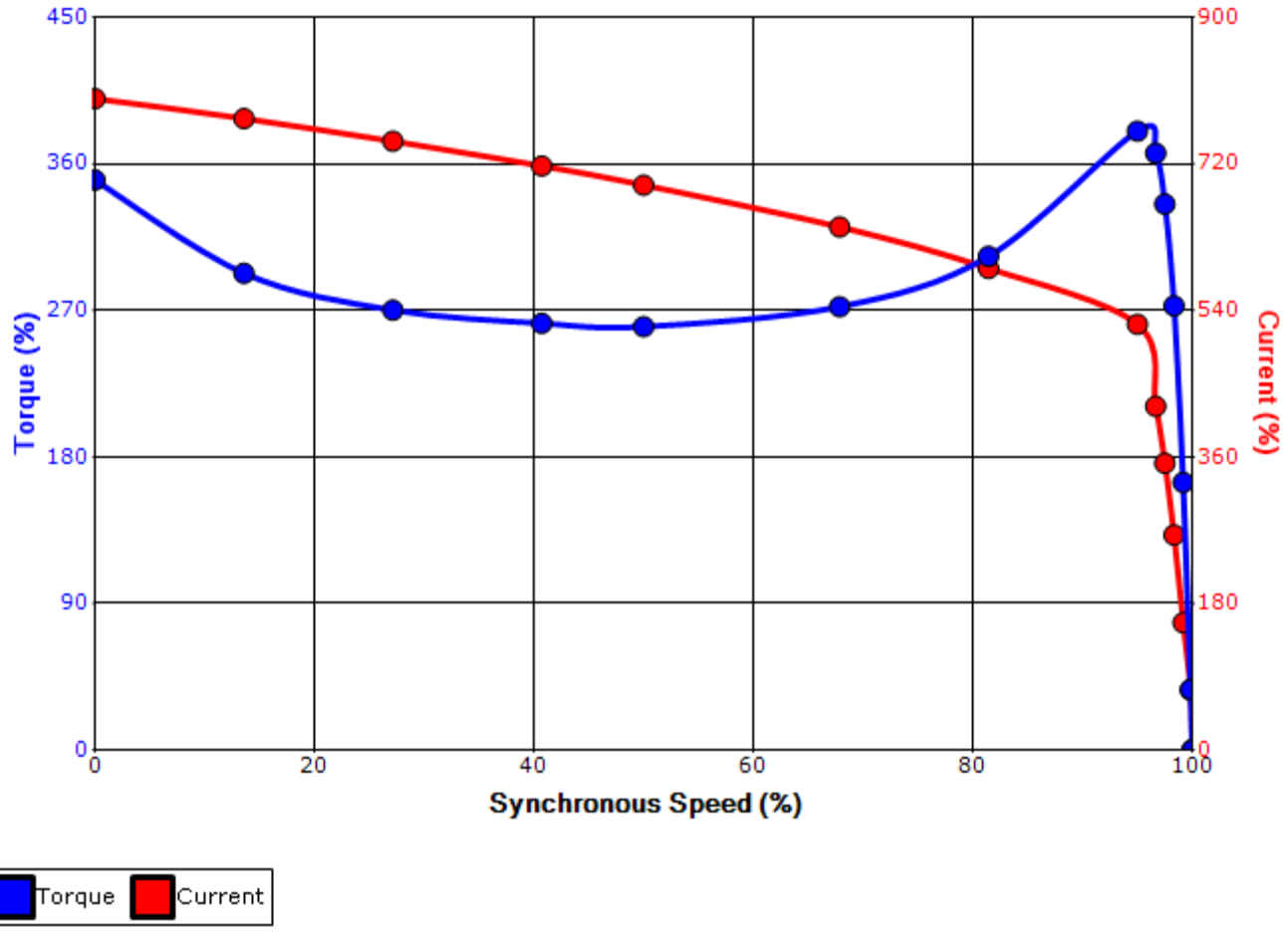
SPEED TORQUE/CURRENT CURVE

Model: Y154FAGC41A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
1.50	1.1	4	1760	145T	575	60	3	1.9
Enclosure	**IP**	**Ins. Class**	**S.F.**	**Duty**	**NEMA Nom. Eff.**	**NEMA Design**	**kVA Code**	**Ambient (°C)**
TEAO	56	F	1.15	CONT	86.5	A		40 C

Locked Rotor Amps	Rotor wk² Inertia (lb-ft²)	Torque			
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)	Break Down (%)
16.1	0.13	4.48	350	265	380

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	bmammen	**Doc. Written By**	D. Suarez	**Doc.# / Rev**	MPCF-1121 / 0
Engr. Date	6/23/2025	**Doc. Approved By**	M. Campbell	**Doc. Issued**	6/8/2011

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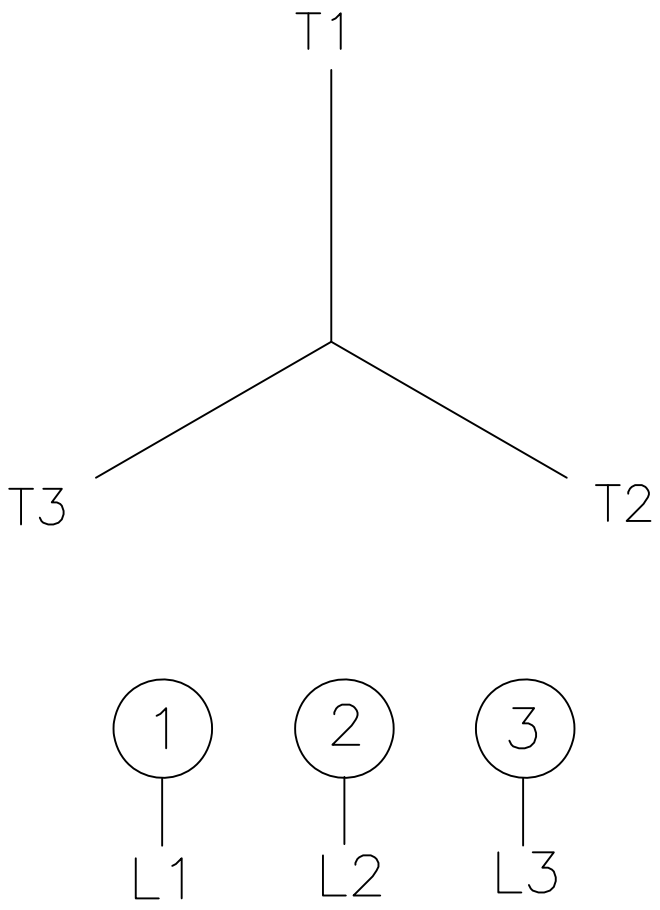
3SY

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