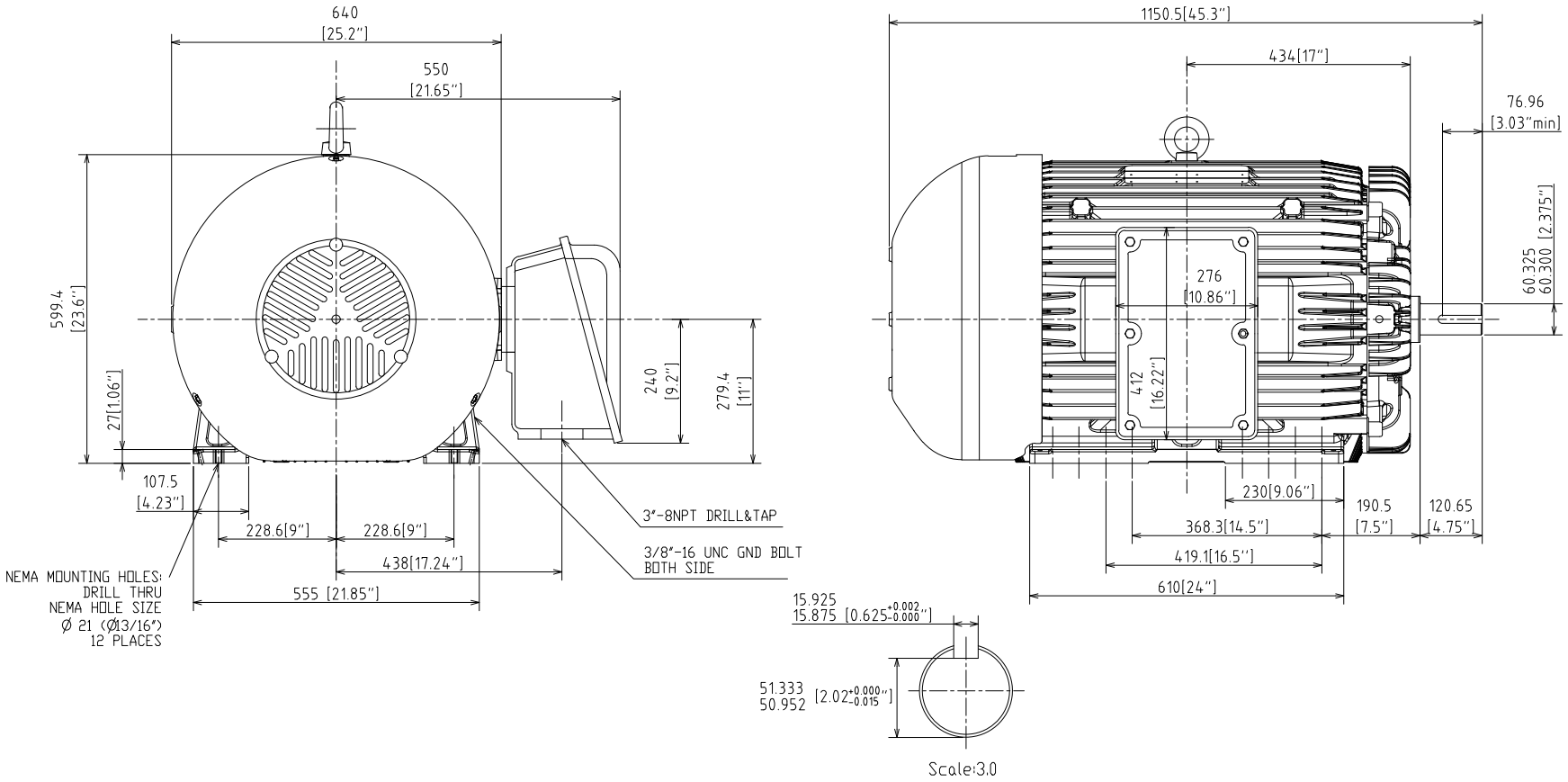


UNITS: INCHES	NOTES:
ROTATION FROM NDE	1. MAIN CONDUIT BOX MAY BE ROTATED IN 90° INCREMENTS
X CCW ☐ CW	2. STANDARD PRODUCT USES BI-DIRECTIONAL FAN. OPPOSITE ROTATION AVAILABLE ONLY BY CONNECTION CHANGE.
	3. KEY DIMENSIONS EQUAL 5/8"-5/8"-3" (MOTOR SUPPLIED WITH KEY)

TOSHIBA MILL & CHEMICAL DUTY EQP Global 840

www.toshiba.com/tic

TOSHIBA INTERNATIONAL CORPORATION

TOTALLY ENCLOSED FAN COOLED
HORIZONTAL FOOT MOUNT
3 PHASE INDUCTION MOTOR
S444/5TS F1ASSEMBLY

DRAWING #: MDSLV701-11

REV. DATE: Nov-27-18 REV. #: 0 PER.: T.Phung

REV. DESCRIP.: -

Issued Date	7/19/2021	Transmit #	
Issued By	dschoeck	Issued Rev	

TOSHIBA
Leading Innovation >>>

TYPICAL MOTOR PERFORMANCE DATA

Model: 1502XSSC41B-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
150	110	2	3575	S445TS	575	60	3	133

Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.15	CONT	95.0	B		40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	150.00	111.9	133	95.7	88.2
¾ Load	112.50	83.9	101	94.9	87.8
½ Load	75.00	55.9	70	93.1	85.4
¼ Load	37.50	28.0	42	87.5	74.9
No Load			34.3		4.7
Locked Rotor			804		23.9

Torque				Rotor wk² Inertia
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	(lb-ft²)
220	145	100	240	43.88

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
35	13	84	6313C3	6313C3	

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

Motor Options:
Mounting:Footed,Shaft:TS Shaft

Customer	
Customer PO	
Sales Order	
Project #	

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-1119 / 0
Engr. Date	11/8/2018	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

Issued Date	7/19/2021	Transmit #	
Issued By	dschoeck	Issued Rev	

TOSHIBA
Leading Innovation >>>

SPEED TORQUE/CURRENT CURVE

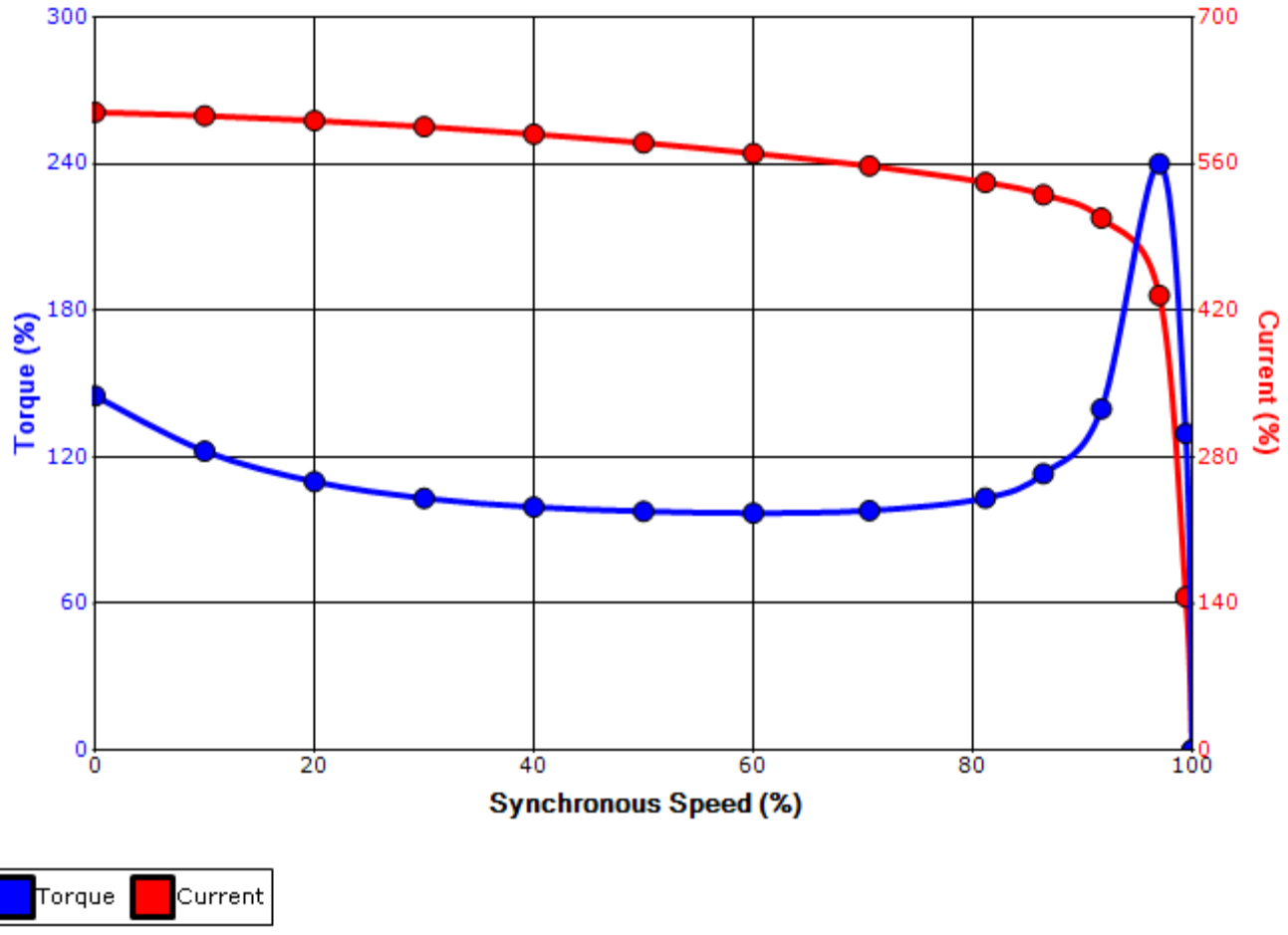
Model: 1502XSSC41B-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
150	110	2	3575	S445TS	575	60	3	133

Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.15	CONT	95.0	B		40 C

Locked Rotor Amps	Rotor wk² Inertia (lb-ft²)	Torque			
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)	Break Down (%)
804	43.88	220	145	100	240

Design Values



Customer		wk² Load Inertia (lb-ft²)	-	
Customer PO		Load Type	-	
Sales Order		Voltage (%)	100	
Project #		Accel. Time	-	

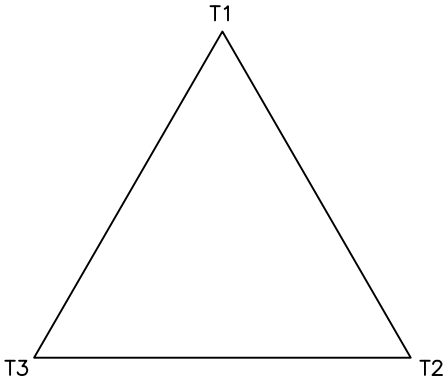
Tag:

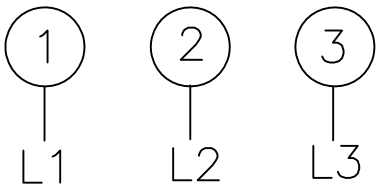
All characteristics are average expected values.

TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.

Engineering	mcampbell	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0
Engr. Date	11/8/2018	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

Motor Connection Diagram
3 Leads - Delta 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.