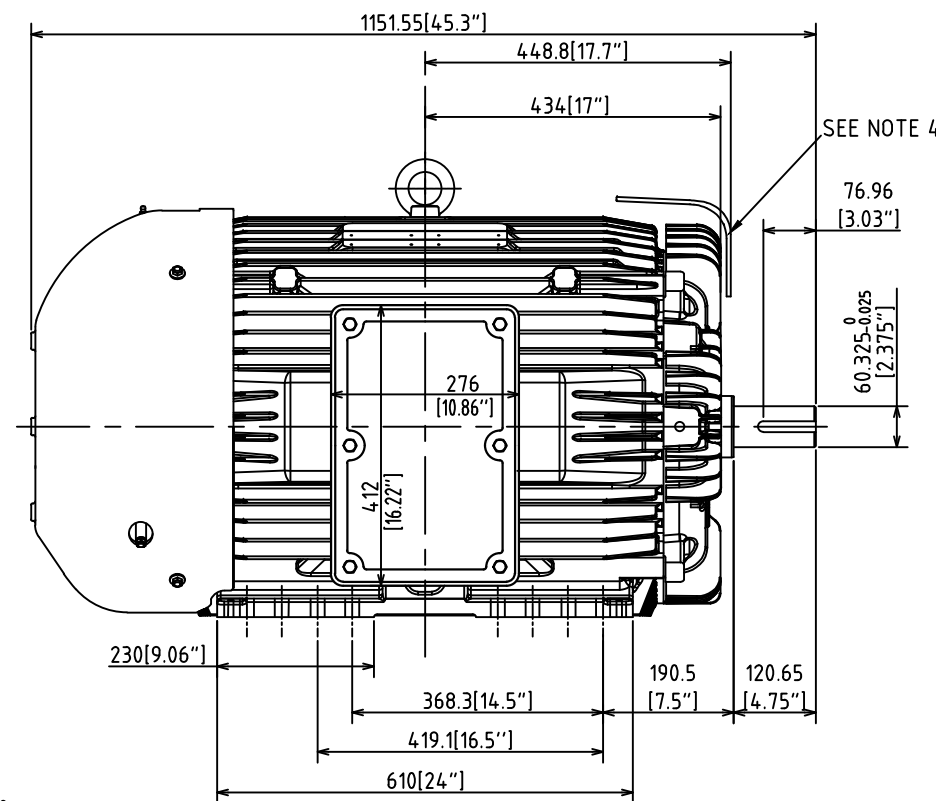
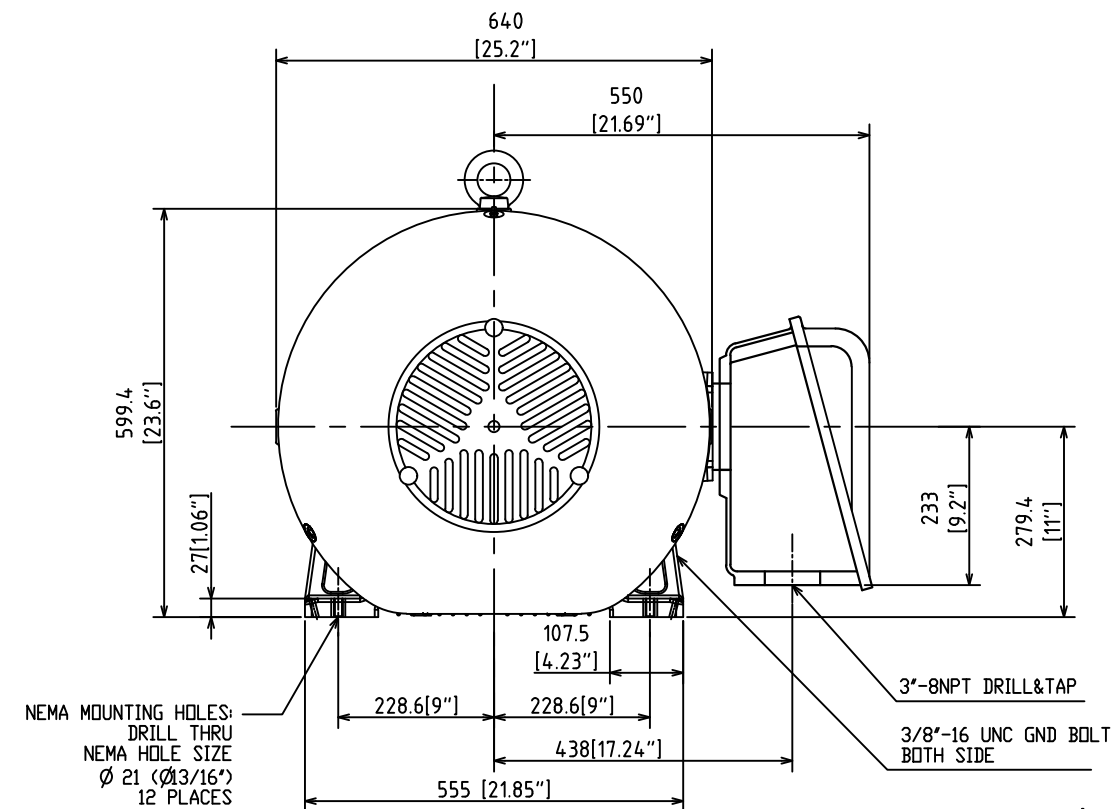
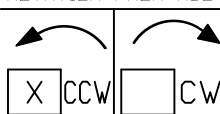


Scale:3.0

UNITS: INCHES

ROTATION FROM NDE



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 5/8"-5/8"-3" (MOTOR SUPPLIED WITH KEY)
4. AIR DEFLECTOR TO BE USED ON 2P-150HP & 2P 125HP MOTORS

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

☐ PRELIMINARY

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

☒ CERTIFIED

TOSHIBA

PETRO-CHEMICAL DUTY
EQP Global 841

www.toshiba.com/tic

TOSHIBA INTERNATIONAL CORPORATION

TOTALLY ENCLOSED FAN COOLED
HORIZONTAL FOOT MOUNT
3 PHASE INDUCTION MOTOR
S444/5TS F1 ASSEMBLY

DRAWING #: MDSL V702-11

REV. DATE: 03/16/23 REV. #: 0 PER.: S.NGO

REV. DESCRIP.: ADD AIR DEFLECTOR

TYPICAL MOTOR PERFORMANCE DATA

Model: 1254XDSC41B-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
125	90	4	1785	S444TS	575	60	3	115
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	56	F	1.15	CONT	95.4	B		40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	125.00	93.2	115	95.9	85.6
¾ Load	93.75	69.9	87	95.4	84.4
½ Load	62.50	46.6	62	93.9	79.7
¼ Load	31.25	23.3	41	89.1	63.2
No Load			32.1		
Locked Rotor			705		25.3

Torque				Rotor wk² Inertia (lb-ft²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
368	160	115	235	54.36

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
35	15	84	6318C3	6316C3	

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

Motor Options:
Product Family:EQP Global 841
Mounting:Footed,Shaft:TS Shaft

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values.

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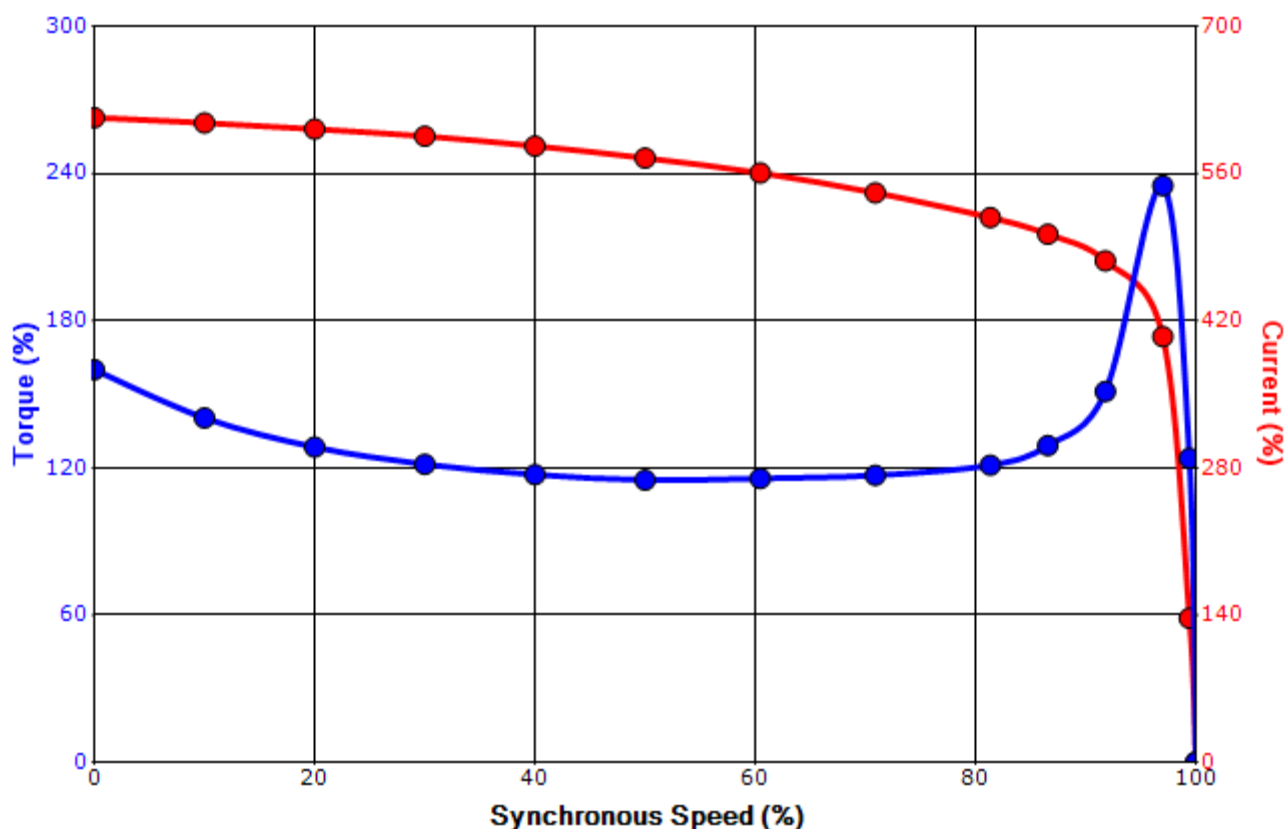
Engineering	mcampbell	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	11/9/2018	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

SPEED TORQUE/CURRENT CURVE

Model: 1254XDSC41B-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
125	90	4	1785	S444TS	575	60	3	115
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	56	F	1.15	CONT	95.4	B		40 C
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque						
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)		Break Down (%)		
705	54.36	368	160	115		235		

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	11/9/2018	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.