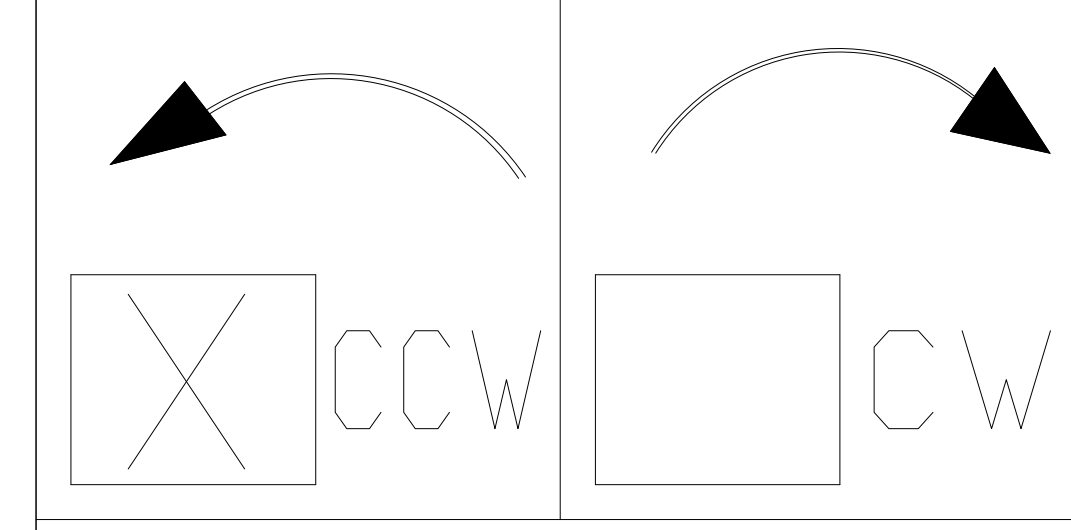


NEMA MOUNTING HOLES:
DRILL THRU
NEMA HOLE SIZE
Ø 21 (Ø13/16")
12 PLACES

3"-8NPT DRILL&TAP
3/8"-16 UNC GND
BOLT BOTH SIDE

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 7/8"-7/8"-6 7/8" (MOTOR SUPPLIED WITH KEY)

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
S444/5T F1 ASSEMBLY

DRAWING #: MDSL702-01
REV. DATE: Nov-26-18 REV. #: _____ PER.: T.Danh
REV. DESCRIP.: _____

TYPICAL MOTOR PERFORMANCE DATA

Model: 1006XDSC41A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
100	75	6	1190	S444T	575	60	3	95
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	56			CONT	95.4	A		

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	100.00	74.6	95	95.5	82.6
¾ Load	75.00	55.9	72	94.9	81.1
½ Load	50.00	37.3	52	93.4	76.3
¼ Load	25.00	18.6	35	88.6	60.2
No Load			26.2		5.5
Locked Rotor			612		21.7

Torque				Rotor wk² Inertia (lb-ft²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
441	145	115	255	100.58

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

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

Motor Options:
Mounting:Footed,Shaft:T Shaft

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values.

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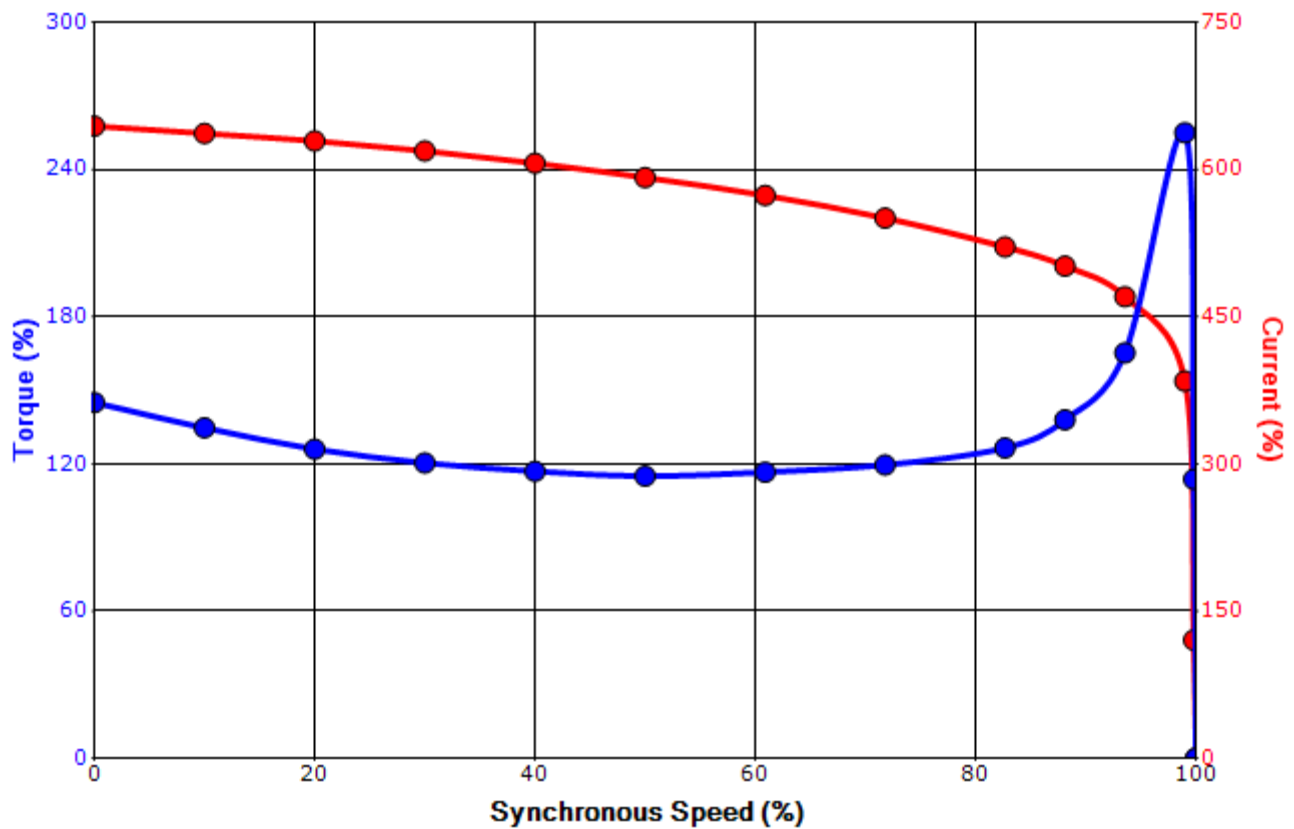
Engineering	SSuryani	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	6/2/2020	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

SPEED TORQUE/CURRENT CURVE

Model: 1006XDSC41A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
100	75	6	1190	S444T	575	60	3	95
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	56			CONT	95.4	A		
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque						
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)	Break Down (%)			
612	100.58	441	145	115	255			

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	SSuryani	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0
Engr. Date	6/2/2020	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.