

UNITS: INCHES
 ROTATION FROM NDE

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 5/8"-5/8"-3" (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
 S444/5TS F1 ASSEMBLY

DRAWING #: MDSL V702-11

REV. DATE: Nov-15-18 REV. #: 0 PER.: Q.Quynh

REV. DESCRIP: -



Issued Date	10/21/2019	Transmit #	
Issued By	dschoeck	Issued Rev	

TYPICAL MOTOR PERFORMANCE DATA

Model: 1502XDSB41B-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
150	110	2	3575	S445TS	460	60	3	166
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	56	F	1.15	CONT	95	B	G	40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	150	111.9	166.1	95.8	88.3
¾ Load	112.50	83.9	126.4	94.9	87.7
½ Load	75.00	55.9	88.6	93.0	85.1
¼ Load	37.50	28.0	54.4	87.3	73.8
No Load			44.9		4.6
Locked Rotor			1066		25.2

Torque				Rotor wk ² Inertia (lb-ft ²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
220	155	105	255	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:
 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 / 1
Engr. Date	11/8/2018	Doc. Approved By	M. Campbell	Doc. Issued	9/20/2019



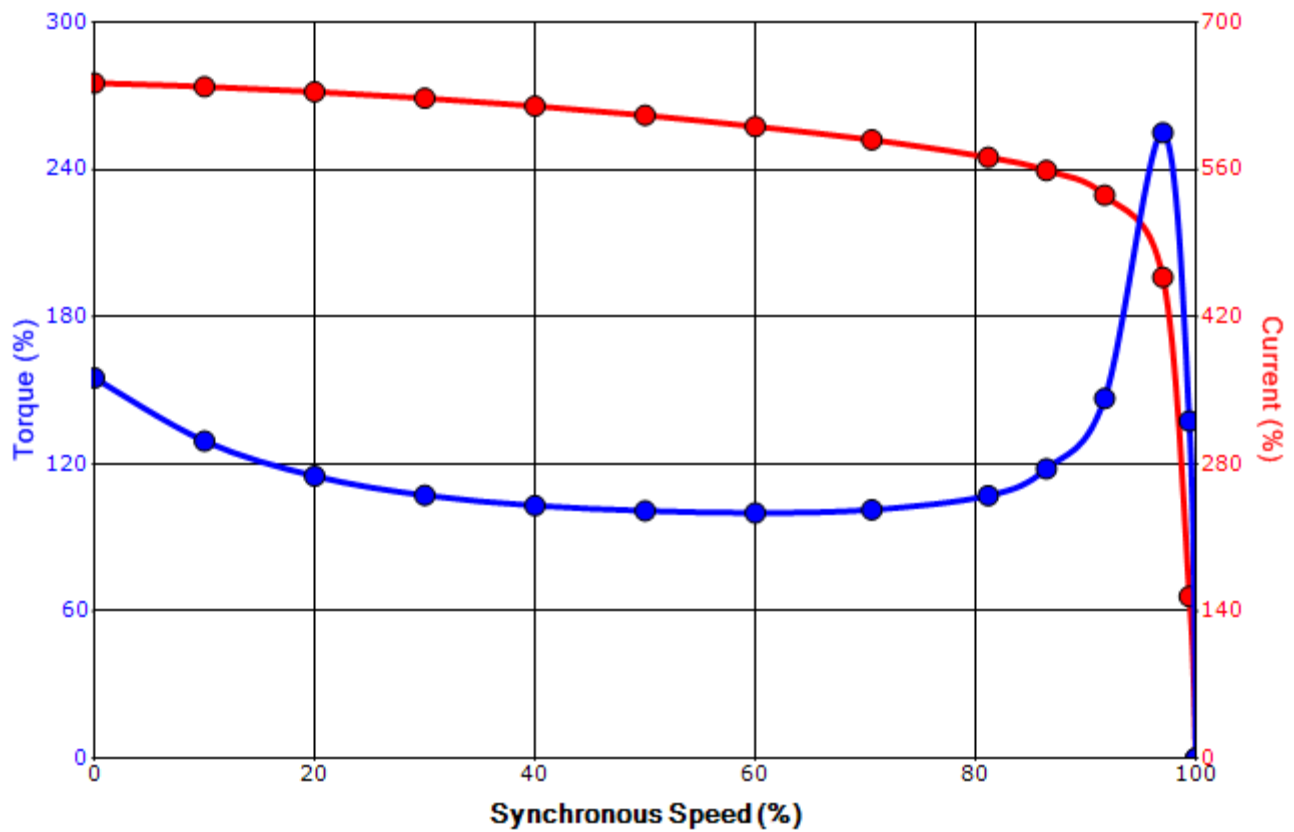
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Issued By	dschoeck	Issued Rev	

SPEED TORQUE/CURRENT CURVE

Model: 1502XDSB41B-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
150	110	2	3575	S445TS	460	60	3	166
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	56	F	1.15	CONT	95	B	G	40 C
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque				Pull Up (%)	Break Down (%)	
		Full Load (lb-ft)	Locked Rotor (%)					
1066	43.88	220	155		105	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	mcampbell	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121/1
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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.