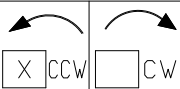


WEIGHT :990Kg

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 0.625"X0.625"X3" (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  
www.toshiba.com/tic **EQP Global**  
**TOSHIBA INTERNATIONAL CORPORATION**

TOTALLY ENCLOSED FAN COOLED  
HORIZONTAL FOOT MOUNT  
3 PHASE INDUCTION MOTOR  
S445/7TS F3 ASSEMBLY

DRAWING #: **MDSL700-12F3**

REV. DATE: 22-02-21 REV. #: 0 PER.: T.Danh

REV. DESCRIP: -

**TYPICAL MOTOR PERFORMANCE DATA**

Model: 2002SDSB41B-P3

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
200	150	2	3575	S447T	460	60	3	221
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	54	F	1.15	CONT	95.4	B		40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	200.00	149.1	221	95.9	88.3
¾ Load	150.00	111.9	168	95.1	87.7
½ Load	100.00	74.6	117	93.3	85.1
¼ Load	50.00	37.3	72	87.7	74.0
No Load			53.5		7.2
Locked Rotor			1405		21.8

Torque				Rotor wk <sup>2</sup>
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	Inertia (lb-ft <sup>2</sup> )
294	140	105	270	52.93

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
27	11	87	6313C3	6313C3	

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

**Motor Options:**  
Product Family:EQP Global Top Mount  
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.**

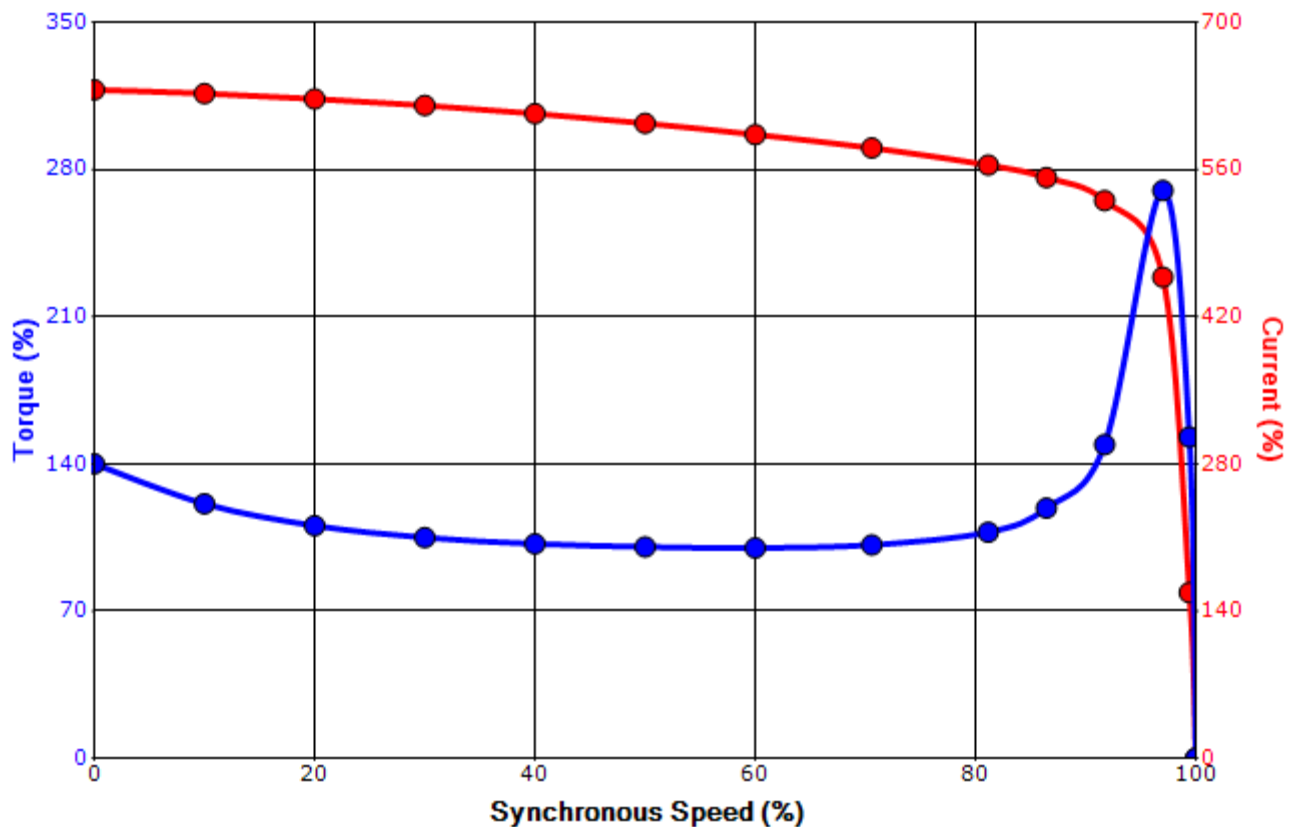
Engineering	mccampbell	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	11/8/2018	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

**SPEED TORQUE/CURRENT CURVE**

Model: 2002SDSB41B-P3

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
200	150	2	3575	S447T	460	60	3	221
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	54	F	1.15	CONT	95.4	B		40 C
Locked Rotor Amps	Rotor wk <sup>2</sup> Inertia (lb-ft <sup>2</sup> )	Torque						Break Down (%)
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)				
1405	52.93	294	140	105			270	

**Design Values**



Customer		wk <sup>2</sup> Load Inertia (lb-ft <sup>2</sup> )	-
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

## 12 Leads

### Single Voltage



Switch L1 and L2 to reverse rotation