

JNITS: INCHES		NOTES:	
ROTATION FROM NDE		1. MAIN CONDUIT BOX MAY BE ROTATED IN 90° I	NCREMENTS
		2. STANDARD PRODUCT USES BI-DIRECTIONAL FAN. OPPO AVAILABLE ONLY BY CONNECTION CHANGE.	SITE ROTATION
		3. KEY DIMENSIONS EQUAL 0.50x0.50x2.75	(MOTOR SUPPLIED WITH KEY)
TOSHIBA RESERVES THE RIGHT TO MAKE CHANGES OF TECH	NICAL IMPROVEMENT AND THE DATA MAY CHANGE V	WITHOUT NOTICE	PRELIMINARY
DO NOT USE FOR CONSTRUCTION, INSTALLATION, OR APPLICA	TION PURPOSES UNLESS THE DRAWING IS MARKED AS	SCERTIFIED	X CERTIFIED
	TOTALLY ENCLOSED FAN COOLED	DRAWING #: MDSLV002-08	
TOSHIBA	HORIZONTAL FOOT MOUNT	REV. DATE: 05/21/21 REV. #: 4	PER.: J. HOCK
www.toshiba.com/tic	3 PHASE INDUCTION MOTOR	REV. DESCRIP .: ADDED SECTION CUT 1	TO AIR
TOSHIBA INTERNATIONAL CORPORATION	404TS/405TS F1 ASSEMBLY	DEFLECTOR	



Leading Innovation >>>

TYPICAL MOTOR PERFORMANCE DATA

Issued Date

Issued By

6/19/2025

dschoeck

Transmit #

Issued Rev

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
100	75	2	3560	405TS	230/460	60	3	224/112
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.15	CONT	94.1	В		40 C
oad	HP	kW	Ampe		Efficienc	y (%)		actor (%)
ull Load	100.00	74.6 55.9	11		94.6 93.9		88 86	
Load	75.00 50.00	37.3	6		93.9			2.2
2 Load	25.00	18.6	4		85.8		66	
lo Load	20.00	10.0	27		00.0		8	
ocked Rotor			71				31	
Full Lo (Ib-ft) 148)	(%	Torque d Rotor FLT) 95	Pı (%	ull Up 5 FLT) 125		ak Down % FLT) 245	Rotor wk ² Inertia (Ib-ft ²) 17.36
Safe Stall T Cold	Hot	Sound Pressure dB(A) @ 1M	Bearings* DE NDE			Approx. Motor Weight (lbs)		
15	6						dl)	is)
15	6	85	6313		6313C		dl)	is)
15 Bearings are the only re Motor Options: Product Family:EQP Mounting:Footed,Sh	commended spare	85					(16	vs)
Bearings are the only re Notor Options: Product Family:EQP	commended spare	85					(16	·s)
Bearings are the only re Iotor Options: Product Family:EQP Nounting:Footed,Sh	commended spare	85						vs)
Bearings are the only re Iotor Options: Product Family:EQP Nounting:Footed,Sh	commended spare	85						is)
Bearings are the only re lotor Options: roduct Family:EQP lounting:Footed,Sh ustomer ustomer PO	commended spare	85						is)
learings are the only re lotor Options: roduct Family:EQP founting:Footed,Sh ustomer ustomer PO ales Order	commended spare	85						is)
iearings are the only re lotor Options: roduct Family:EQP founting:Footed,Sh ustomer ustomer PO ales Order roject #	commended spare	85						·s)
earings are the only re otor Options: roduct Family:EQP tounting:Footed,Sh ustomer ustomer PO ales Order roject #	commended spare	85						·s)
earings are the only re otor Options: roduct Family:EQP lounting:Footed,Sh ustomer ustomer PO ales Order roject #	commended spare	85	6313	3C3	6313C	3		·s)
earings are the only re otor Options: roduct Family:EQP lounting:Footed,Sh ustomer ustomer PO ales Order roject # ag: characteristics are ave	commended spare	ues. TOSHIBA INTEF	6313	BRPORATION ·	6313C			
Bearings are the only re Iotor Options: Product Family:EQP	commended spare	85	6313	3C3	6313C	3 (AS U.S.A.	(IE	MPCF-1119 / 0 6/8/2011



TYPICAL MOTOR PERFORMANCE DA	ΤA
------------------------------	----

Issued Date

Issued By

6/19/2025

dschoeck

Transmit #

Issued Rev

HP 75		Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
	kW 55	2	2960	405TS	190/380	50	3	204/102
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient
TEFC	55	F	1.15	CONT	94.3	B		(° C) 40 C
TEFC		F	1.15	CONT	94.5	В		40 C
bad	HP	kW	Ampe	eres	Efficiency	/ (%)	Power Fa	actor (%)
ull Load	75.00	55.9	10		94.5		87	
Load	56.25	41.9	79)	93.6		86	6.1
2 Load	37.50	28.0	57	7	91.3		81	.2
Load	18.75	14.0	38	3	84.2		65	5.2
o Load			26	.4			7.	.4
ocked Rotor			69	7			28	8.6
(lb-ft) 133		(% F 18	-		5 FLT) 135	(%	% FLT) 280	(lb-ft²) 17.36
Safe Stall T	īme(s)	Sound Pressure		Bearir	ıgs*		Approx. Mo	otor Weight
Cold	Hot	dB(A) @ 1M	DE		NDE		(lb	s)
21	13	85	6313	SC3	6313C	3		
Bearings are the only re-								
fotor Options: Product Family:EQP Mounting:Footed,Sh	Global SD aft:TS Shaft							
Iotor Options: Product Family:EQP Mounting:Footed,Sh	' Global SD aft:TS Shaft							
Iotor Options: Product Family:EQP Aounting:Footed,Sh	' Global SD aft:TS Shaft							
Totor Options: Product Family:EQP Aounting:Footed,Sh Aounting:Footed,Sh Sustomer Sustomer PO Fales Order	Global SD aft:TS Shaft							
Iotor Options: Product Family:EQP Mounting:Footed,Sh Mounting:Footed,Sh Mounting:Tooted,S	Global SD aft:TS Shaft							
ustomer ustomer PO ales Order roject # ag:	aft:TS Shaft							
ustomer ustomer PO ales Order roject # ag:	aft:TS Shaft							
Iotor Options: Product Family:EQP Aounting:Footed,Sh	aft:TS Shaft	Ilues. TOSHIBA INTER ammen	NATIONAL CO	RPORATION - Doc. Written By	· ·		Doc.#/Rev	MPCF-1119 /



HP

100

Enclosure TEFC

Locked Rotor

Amps

711

SHI				Issued Date	6/19/20	25	Transmit #	
	IBA			Issued By	dschoe	ck	Issued Rev	
	1002SDSR41B-		PEED TORQ	UE/CURREN	CURVE			
	kW	Pole	FL RPM	Frame	Valtaga	Hz	Phase	
	75	2	3560	405TS	Voltage 230/460	60	3	FL Amps 224/112
e	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
	55	F	1.15	CONT	94.1	В		40 C
tor	Rotor wk ²				Torque			
	Inertia	Full Load	Locked		Pull U	р	Break [
-+	(lb-ft²) 17.36	(lb-ft) 148	(% 19		(%) 125		(%) 245	
	17.50	140	10	10	125		240	5
240						-	5	50
120 120 60		20 nt	40 Synch	60 ronous Speed		80	-20	20 Current (%) 80
120 60 0						80	20	Current (%)
120 60 0					(%)	80 Rertia (Ib-ft²)	20	Current (%)
120 60 0 Torq					(%)	nertia (Ib-ft²) Load Type	14	Current (%)
120 60					(%)	nertia (Ib-ft²)	28 14 100	40

Tag:

Customer Customer PO Sales Order Project #

All characteristics are average expected values.

TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.									
Engineering	bmammen	Doc. Written By	D. Suarez	Doc.#/Rev	MPCF-1121 / 0				
Engr. Date	10/17/2018	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011				



HP

75

Enclosure

TEFC

Locked Rotor

Amps

697

350

280

(%) anbjog 140

70

ᅆ

Model: 1002SDSR41B-P

kW

55 IP

55 Rotor wk²

Inertia

(lb-ft²)

17.36

		Issued Date	6/19/202	5	Transmit #	
		Issued By	dschoec	k	Issued Rev	
S	PEED TORG	QUE/CURREN	T CURVE			
Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
2	2960	405TS	190/380	50	3	204/102
ns. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
F	1.15	CONT	94.3	В		40 C
			Torque			<u> </u>
Full Load		d Rotor	Pull Up		Break	
(lb-ft) 133		%) 80	(%) 135		(% 28	
+	•		• •			40
						⁸⁰ 0
						Current (%)
		•				
						60
20	40	6	i0	80	100	

Synchronous Speed (%)

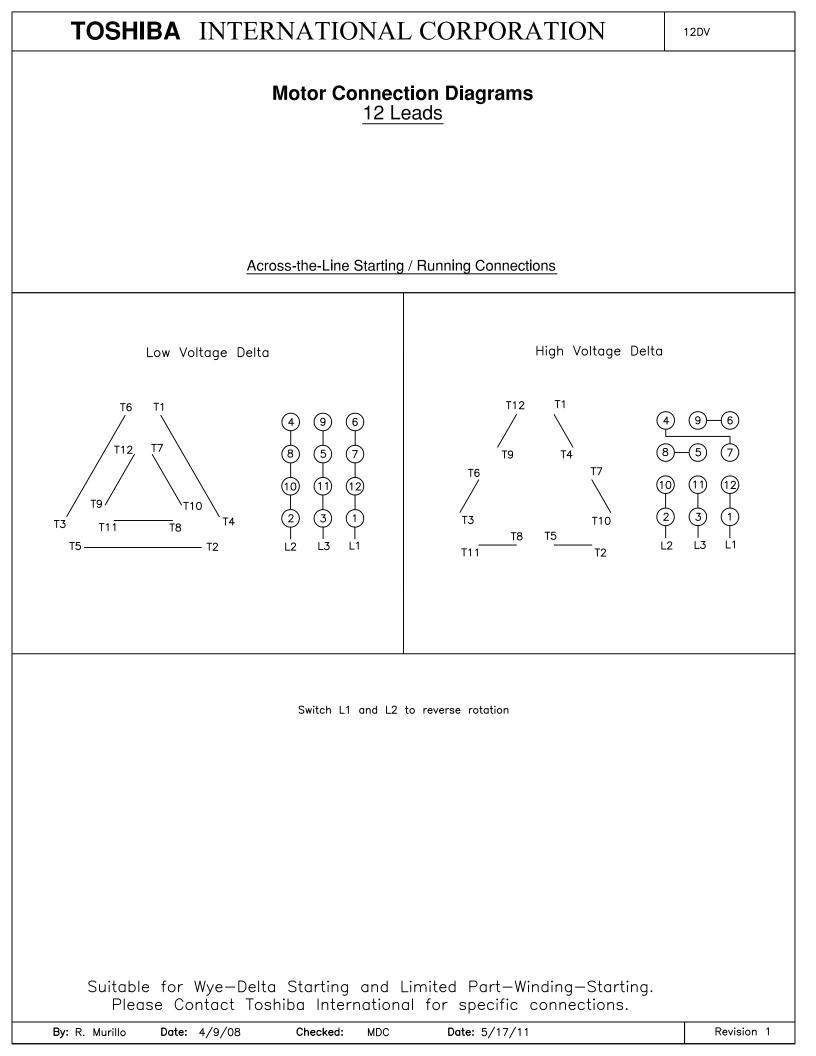
Torque Current

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

All characteristics are av	An characteristics are average expected values.									
	TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.									
Engineering	bmammen	Doc. Written By	D. Suarez	Doc.#/Rev	MPCF-1121 / 0					
Engr. Date	10/31/2018	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011					



				Issued Date:	6/19/20)25	Transmit #:		
TOSH	TOSHIBA			Issued By:	dschoe	eck	Issued Rev:	<u> </u>	
Leading In	novation >>>	•	SPAR	E PARTS LIST	F *				
Model	: 1002SDSR41	B-P							
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps	
100	75	2	3560	405TS	230/460	60	3	224/112	
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)	
TEFC	55	F	1.15	CONT	94.1	В		40 C	
earings DE	6313C3 / 65E	313C3 / 65BC03J3OX							
earings NDE	6313C3 / 65E	C03J3OX							

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

Other than the grease used for regreasable bearings and the oil used for oil-lubricated bearings, Toshiba advises that there are no "use" parts. The only insurance spares that Toshiba suggests for these squirrel-cage induction motors are industry-standard and commercially available off-the-shelf bearings as noted above.

Motor components such as terminal boxes, fan covers and other machined parts are available on special request. In these cases, please advise our order entry department of the model and serial numbers found on the motor nameplate and a description of the needed components. With this information they will be able to furnish the current part number, price and availability.

Note: Our internal part numbers are subject to change without notice and are not published.

Customer					
Customer PO					
Sales Order					
Project #					
Tag:					
All characteristics are averag	e expected values.				
	TOSHIBA INTE	RNATIONAL CORPORATION · HO	OUSTON, TEXAS U.S.A.		
Engineering	bmammen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1125 / 0
Engr Date	10/17/2018	Doc. Approved By	M Campbell	Doc. Issued	6/8/2011