



Leading Innovation >>>

TYPICAL MOTOR PERFORMANCE DATA

Issued Date

Issued By

6/19/2025

dschoeck

Transmit #

Issued Rev

HP 60 Enclosure		Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
	kW 45	2	3560	364TSC	230/460	60	3	136/68
Eliciosule	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA	kVA Code	Ambient
TEFC	55	F	1.15	CONT	93.6	Design B		(° C) 40 C
TEFC	55		1.15	CONT	93.0	В		40 C
oad	HP	kW	Ampe	eres	Efficiency	/ (%)	Power Fa	actor (%)
ull Load	60.00	44.7			94.2			7.3
Load	45.00	33.6	53	3	93.3		85	5.2
2 Load	30.00	22.4	38		90.9			9.6
Load	15.00	11.2	20		84.3		63	3.2
lo Load			19					.3
ocked Rotor			47	3			35	5.7
F -111-1		1	Torque				- Dawa	Rotor wk ²
Full Loa		Locked			ll Up FL T)		ak Down / ELT)	Inertia
(lb-ft) 88.5		(% F			FLT) 85	(*	% FLT) 270	(lb-ft²) 11.25
13	7	-	6312	ZC3	6312ZC	23	70	63
Motor Options: Product Family:EQP	Global SD	Shaft						
Product Family:EQP Mounting:C-Face Ro	und,Shaft: I S 3							
Nounting:C-Face Ro	und,Shaft: I S 3							
Nounting:C-Face Ro	und,Shaft: I S 3							
Nounting:C-Face Ro	und,Shaft: IS 3							
Customer Jounting:C-Face Ro Sustomer PO Sales Order Project #	und,Shaft: IS 3							
Iounting:C-Face Ro ustomer ustomer PO ales Order roject #	rage expected va	lues.						
ustomer ustomer PO ales Order roject # ag:	rage expected va		NATIONAL CO	RPORATION - Doc. Written By	HOUSTON, TEX D. Suarez		Doc:#/Rev	MPCF-1119 / 0



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
60	45	2	2935	364TSC	190/380	50	3	164/82
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.0	CONT	93.0	В		40 C
bad	HP	kW	Amp		Efficiency	/ (%)		actor (%)
ull Load	60.00	44.7	8		93.1			3.8
Load	45.00	33.6	6		92.7			7.5
2 Load	30.00	22.4		4	90.9			3.6
Load	15.00	11.2		8	85.3			9.8
lo Load			16 50	3.5 DE				.2 4.6
ocked Rotor								
		1	Torqu	e				Rotor wk ²
Full Lo			d Rotor		ull Up		ak Down	Inertia
(lb-ft 107		-	FLT) 95		5 FLT) 145	(%	% FLT) 250	(lb-ft²) 11.25
Cold	Hot	Pressure dB(A) @ 1M	D	Bearin E	NDE		 (Ik	otor Weight
19							1	,5,
Bearings are the only re	8 commended spare	- e part(s).	6312	ZC3	631220		-	63
Bearings are the only re Iotor Options: Product Family:EQF	commended spare	part(s).	6312	ZC3			-	-
iearings are the only re lotor Options: roduct Family:EQF lounting:C-Face Re ustomer ustomer PO ales Order	commended spare	part(s).	6312	2C3			-	-
ustomer ustomer PO ales Order roject # ag:	Commended spare	part(s). Shaft	6312	2C3			-	-
earings are the only re otor Options: roduct Family:EQF tounting:C-Face Re ustomer ustomer PO ales Order roject #	ecommended spare	part(s). Shaft			6312ZC	23	-	-
earings are the only re fotor Options: froduct Family:EQF founting:C-Face Re ustomer ustomer PO ales Order roject # ag:	ecommended spare	lues. TOSHIBA INTER		ORPORATION ·	6312ZC	C3	7	63
	ecommended spare	part(s). Shaft			6312ZC	C3	-	63



HP

60

Enclosure

TEFC

Locked Rotor

Amps

473

350

280

(%) enbrou 140

140

70

ᅆ

Model: 0602SDSR44B-P

kW

45

IP

55 Rotor wk²

Inertia

(lb-ft²)

11.25

Issued Date 6/19/2025 Transmit # Issued By dschoeck Issued Rev SPEED TORQUE/CURRENT CURVE 2 3560 364TSC 230/460 60 3 136/68 Ins. Class S.F. Duty NEMA Nom. Eff. NEMA Design KVA Code Ambient (°C) F 1.15 CONT 93.6 B 40.C Torque Full Load Locked Rotor Pull Up Break Down (%) (%) 88.5 245 185 270 Design Values 900 180 180 180 180 180 180 180 180 180 180 180 190 1.15 10 10 10							
Issued By dschoeck Issued Rev SPEED TORQUE/CURRENT CURVE Pole FL RPM Frame Voltage Hz Phase FL Amps 2 3560 364TSC 230/400 60 3 136/68 Ins. Class S.F. Duty NEMA Non. Eff. Design kVA Code (°C) F 1.15 CONT 930 (°C) 40 C F 1.15 CONT Pull Up Break Down (°C) 40 C F 1.15 CONT Pull Up Break Down (°C) 40 C F 1.15 CONT Pull Up Break Down (°C) (°C) B8.5 245 185 270 Design Values			Issued Date	6/19/202	5	Transmit #	
Pole FL RPM Frame Voltage Hz Phase FL Amps 2 3360 364TSC 230/460 60 3 136/68 Ins. Class S.F. Duty NEMA NEMA NEMA A Ambient F 1.15 CONT 93.6 B 40 C F 1.15 CONT 93.6 B 40 C FUIL Load Locked Rotor Pull Up Break Down (b-ft) (%) (%) (%) 88.5 245 185 270 Design Values				dschoed	k		
2 3560 364TSC 230/460 60 3 136/68 Ins. Class S.F. Duty NEMA Nom. Eff. NEMA Design KVA Code Ambient (°C) F 1.15 CONT 93.6 B 40 C Torque Full Load (b-ft) Locked Rotor (%) Pull Up (%) Break Down (%) 88.5 245 185 270	S		RQUE/CURREN	IT CURVE			
2 3560 364TSC 230/460 60 3 136/68 Ins. Class S.F. Duty NEMA Nom. Eff. NEMA Design KVA Code Ambient (°C) F 1.15 CONT 93.6 B U 40 C Torque Full Load Locked Rotor Pull Up Break Down (%) (Ib-rt) (%) (%) (%) (%) (%) (%) 88.5 245 185 270 Design Values Openation of the second of the secon	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
Ins. Class S.F. Duty Nom. Eff. Design kVA Code (°C) F 1.15 CONT 93.6 B 40 C Torque Full Load Locked Rotor Pull Up Break Down (%) (B-ft) (%) (%) (%) (%) (%) 88.5 245 185 270 Design Values	2	3560	364TSC		60	3	136/68
Full Load Locked Rotor Pull Up Break Down (tb-rt) (%) (%) (%) 88.5 245 185 270	Ins. Class	S.F.				kVA Code	
Full Load (lb-ft) Locked Rotor (%) Pull Up (%) Break Down (%) 88.5 245 185 270	F	1.15	CONT		В		40 C
(tb-ft) (%) (%) (%) 88.5 245 185 270 Design Values							
88.5 245 185 270 Design Values		Loc					
Design Values							
360 ^(K)	-	• •				7	20
360							⁴⁰ O
180		• •	•	• •		3	urrent (%)
						1	80
20 40 60 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.

TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.								
Engineering	bmammen	Doc. Written By	D. Suarez	Doc.#/Rev	MPCF-1121 / 0			
Engr. Date	7/17/2024	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011			



HP

60

Enclosure TEFC

Locked Rotor

Amps

505

300

240

(%) anbio 120

Model: 0602SDSR44B-P

kW

45

IP

55

Rotor wk²

Inertia

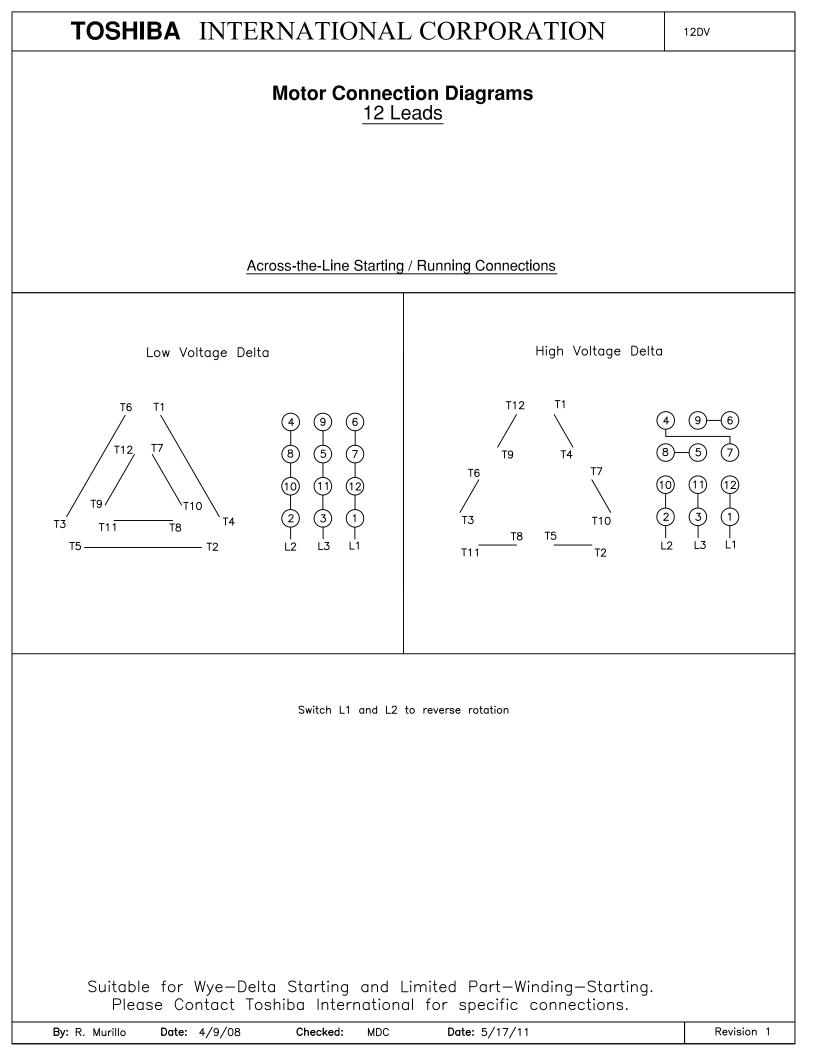
(lb-ft²)

11.25

		Issued Date	6/19/20		Transmit # Issued Rev	
		Issued By	uschoe	CK	Issued Rev	
SI	PEED TORQ	UE/CURREN	T CURVE			
Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
2	2935	364TSC	190/380	50	3	164/82
Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
F	1.0	CONT	93.0	В		40 C
			Torque			
Full Load	Locked	Rotor	Pull U	р	Break I	Down
(lb-ft)	(%	b)	(%)		(%)
107	19		145		25	
			es		7	00
	• •		• •			00 60
	•				5	60
					4	⁶⁰ Current (%
					4	60
					4	21

60)			140
C	0 20	40	60 80	108
		Synchronous Spe	ed (%)	
Customer		[wk ² Load Inertia (Ib-ft ²)	<u>-</u>
Customer PO		-	Load Type	-
Sales Order			Voltage (%)	100
Project #		7	Accel. Time	-
Tag:				
All characteristics are av		ERNATIONAL CORPORATION	HOUSTON TEXAS ILS A	
Engineering		Doc. Written E		Doc.# / Rev MPCF-1121 / 0

TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.									
Engineering	bmammen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0				
Engr. Date	7/17/2024	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011				



				Issued Date:	6/19/20)25	Transmit #:	
TOSHIBA				Issued By:	dschoe	eck	Issued Rev:	
	ovation >>>	•	SPARI	E PARTS LIS	ST*			
Model	0602SDSR44	B-P						
Model: HP	0602SDSR44	B-P Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
			FL RPM 3560	Frame 364TSC	Voltage 230/460	Hz 60	Phase 3	FL Amps 136/68
HP	kW	Pole						FL Amps 136/68 Ambient (°C)

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

Bearings NDE

6312ZC3 / 60BC03JP3OX

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 ave					
	TOSHIBA INTE	RNATIONAL CORPORATION · H	IOUSTON, TEXAS U.S.A.		
Engineering		Doc. Written By	D. Suarez	Doc.#/Rev	MPCF-1125 / 0
Engr. Date	7/17/2024	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011