



eadi	ng	Innovat	ion	>>>
------	----	---------	-----	-----

TYPICAL MOTOR PERFORMANCE DATA

Issued Date

Issued By

6/19/2025

dschoeck

Transmit #

Issued Rev

Model:								
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
20	15	6	1170	286TC	230/460	60	3	50/25
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.15	CONT	91.7	В		40 C
oad	HP	kW	Ampe		Efficiency	ı (%)		actor (%)
ull Load	20.00	14.9	2		91.7			9.9
4 Load	15.00	11.2	20		91.4			.4
2 Load	10.00	7.5	16		89.7			3.4
4 Load	5.00	3.7	13		83.0		41	
lo Load .ocked Rotor			11 14					.2
			Torque	e				Rotor wk ²
Full Lo	bad	Locke	d Rotor		ıll Up	Brea	ak Down	Inertia
(lb-ft	t)	(%	FLT)		FLT)	(%	6 FLT)	(lb-ft²)
89.8			55		225		275	6.10
Cold	Hot	Pressure dB(A) @ 1M	DI		NDE		Approx. Mo	os)
35	Hot 15		DI 6310	E	-	23	(Ib	_
35 Bearings are the only re Iotor Options: Product Family:EQF	15 ecommended spare	dB(A) @ 1M -		E	NDE	23	(Ib	os)
35 Bearings are the only re Notor Options: Product Family:EQF Mounting:C-Face Fo Mounting:C-Face Fo Sustomer PO Sales Order	15 ecommended spare	dB(A) @ 1M -		E	NDE	23	(Ib	os)
35 Bearings are the only re Iotor Options: Product Family:EQF Aounting:C-Face Fo Aounting:C-Face Fo Sustomer Sustomer PO ales Order roject #	15 ecommended spare	dB(A) @ 1M -		E	NDE	23	(Ib	os)
35 Bearings are the only re lotor Options: roduct Family:EQF founting:C-Face Fo dounting:C-Face Fo ustomer ustomer ustomer PO ales Order roject #	15 ecommended spare	dB(A) @ 1M -		E	NDE		(Ib	os)
35 Bearings are the only re roduct Family:EQF founting:C-Face Fo ustomer ustomer PO ales Order roject # ag:	15 ecommended spare	dB(A) @ 1M -		E	NDE	23	(Ib	os)
35 Bearings are the only re Product Family: EQF Aounting: C-Face For Mounting: C-Face For Sustomer ales Order roject # ag:	15 ecommended spare P Global SD CF ooted,Shaft:T S	dB(A) @ 1M -	6310	E ZC3	NDE 6310ZC		(Ib	os)
35 Bearings are the only re lotor Options: Product Family:EQF Jounting:C-Face Fo	15 ecommended spare P Global SD CF ooted,Shaft:T S	dB(A) @ 1M -	6310	E ZC3	NDE	AS U.S.A.	(Ib	os)



Leading Innovation >>>

TYPICAL MOTOR PERFORMANCE DATA

Issued Date

Issued By

6/19/2025

dschoeck

Transmit #

Issued Rev

HP 20	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
	15	6	960	286TC	190/380	50	3	64/32
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA	kVA Code	Ambient
TEFC	55	F	1.0	CONT	88.5	Design B		(° C) 40 C
TEFC	55		1.0	CONT	00.0	В		40 C
oad	HP	kW	Ampe	eres	Efficiency	/ (%)	Power Fa	actor (%)
ull Load	20.00	14.9	32		91.7		78	3.5
Load	15.00	11.2	23		92.4			1.8
2 Load	10.00	7.5	17		92.2			3.2
4 Load	5.00	3.7	13		84.5			.3
lo Load .ocked Rotor		-	11. 19					.2
		-	Torque			-		Rotor wk
Full Lo		Locked			ll Up		ak Down	Inertia
(lb-ft) 109		(% F 20			FLT) 95	(%	% FLT) 215	(lb-ft²) 6.10
Cold	Hot	Pressure dB(A) @ 1M	DE	Bearing	NDE		(Ib	otor Weight os)
29	14	-	6310	ZC3	6310ZC	23	43	32
Bearings are the only re Motor Options: Product Family:EQP Mounting:C-Face Fo	Global SD CF	ace Footed						
Customer								
ustomer PO								
Customer PO Cales Order								
Customer Customer PO Sales Order Project # ag:								
ustomer PO ales Order roject # ag:								
ustomer PO ales Order roject #		lues. TOSHIBA INTER	NATIONAL CO	RPORATION • 1	HOUSTON, TEX		Doc.#/Rev	MPCF-1119 / (

Theur	DA			Issued Date Issued By	6/19/20 dschoe		Transmit # Issued Rev	
тозні				Issued by	430100		Issued Rev	
Leading Innov	vation >>>	SI	PEED TORQ	UE/CURREN	F CURVE			
Model: _(0206SDSR42A-	P						
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
20	15	6	1170	286TC	230/460	60	3	50/25
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55 Rotor wk ²	F	1.15	CONT	91.7 Torque	В		40 C
ocked Rotor	Inertia	Full Load	Locked	Rotor	Pull U	n	Break	Down
Amps	(lb-ft ²)	(lb-ft)	(%		(%)	5	(%	
145	6.10	89.8	25		225		27	
280-								
(%) anbu								¹⁹⁰ Current (9
(%) anbio 140-								
%) anbıo 140-		20	40 Synch	for ronous Speed		80		⁹⁰ Current (%) 30
%) anbio L 140- 70-		_				80		⁹⁰ Current (%) 30
8 anbio 140 - 70 - 0 0 0		_			(%)			¹⁹⁰ Current (%) 30
%) anbio 140- 70- 0.0		_			(%)	80		¹⁹⁰ Current (%) 30

-

Accel. Time

Project # Tag:

All characteristics are average expected values.

TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.								
Engineering	zxie	Doc. Written By	D. Suarez	Doc.#/Rev	MPCF-1121 / 0			
Engr. Date	2/28/2020	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011			



ΗP

20

Enclosure

TEFC

Locked Rotor

Amps

191

250

Model: 0206SDSR42A-P

kW

15

IP

55

Rotor wk²

Inertia

(lb-ft²)

6.10

Pole

6

Ins. Class

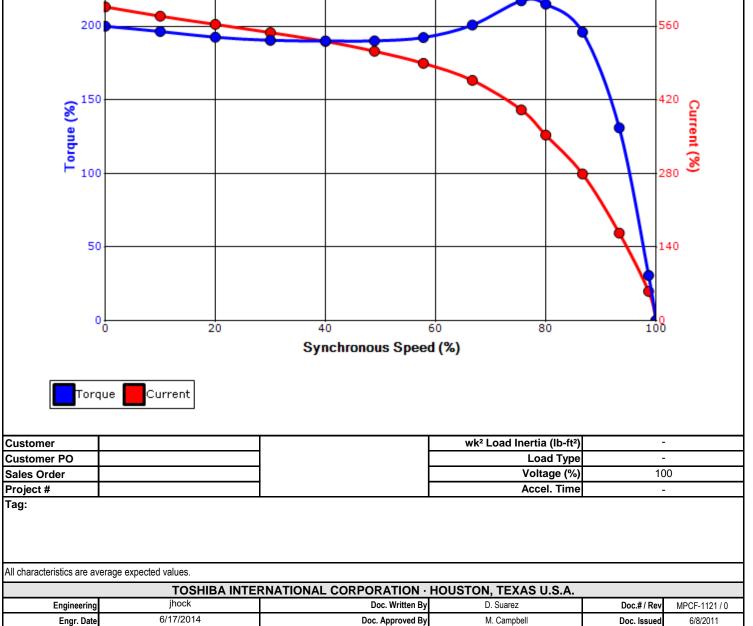
F

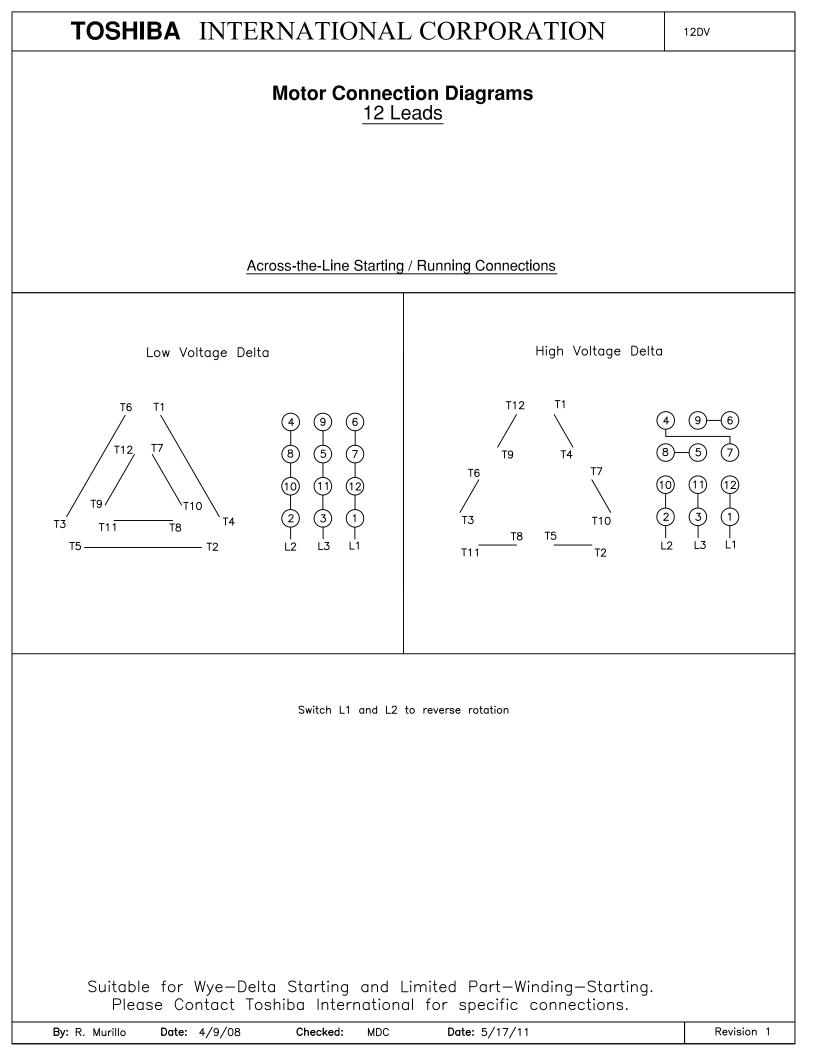
Full Load

(lb-ft)

109

	Issued Date	6/19/20	25	T	
			25	Transmit #	
	Issued By	dschoe	ck	Issued Rev	
PEED TORQ	UE/CURREN	T CURVE			
FL RPM	Frame	Voltage	Hz	Phase	FL Amps
960	286TC	190/380	50	3	64/32
S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
1.0	CONT	88.5	В		40 C
		Torque			
			р	Break Down	
		(%)		(%	
20	00	195		21	5
Des	sign Value	es			00 60
					20
	960 S.F. 1.0 Locked (% 20	960 286TC S.F. Duty 1.0 CONT Locked Rotor (%) 200 200	960 286TC 190/380 S.F. Duty NEMA Nom. Eff. 1.0 CONT 88.5 Torque Locked Rotor Pull U (%) (%)	960 286TC 190/380 50 S.F. Duty NEMA Nom. Eff. NEMA Design 1.0 CONT 88.5 B Torque Locked Rotor Pull Up (%) (%) 200 195	960 286TC 190/380 50 3 S.F. Duty NEMA Nom. Eff. NEMA Design KVA Code 1.0 CONT 88.5 B Image: Second sec





TOSHIBA Leading Innovation >>>

Model: 0206SDSR42A-P

kW

15

IP

55

Pole

6

Ins. Class

F

1.15

HP

20

Enclosure

TEFC

	Issued Date:	6/19/20	25	Transmit #:			
	Issued By: dschoeck Issued Rev:						
SPARE	E PARTS LIS	ST*					
FL RPM	Frame	Voltage	Hz	Phase	FL Amps		
FL RPM 1170	Frame 286TC		Hz 60	Phase 3	FL Amps 50/25		

В

40 C

91.7

 Bearings DE
 6310ZC3 / 50BC03JP3OX

 Bearings NDE
 6310ZC3 / 50BC03JP3OX

*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.

CONT

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 av	verage expected values.				
	TOSHIBA INTE	RNATIONAL CORPORATION · I	HOUSTON, TEXAS U.S.A.		
Engineering	zxie	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1125 / 0
Engr Date	2/28/2020	Doc. Approved By	M. Campbell	Doc Issued	6/8/2011