

.500 +.002

Ø 19.1



Leading Innovation >>>

## TYPICAL MOTOR PERFORMANCE DATA

Issued Date

Issued By

6/19/2025

dschoeck

Transmit #

Issued Rev

Full Load         60.00         44.7         68         94.2         8           ¼ Load         45.00         33.6         53         93.3         8           ½ Load         30.00         22.4         38         90.9         7           ¼ Load         15.00         11.2         26         84.3         6           No Load         19.9         7         7         7	FL Amps 136/68 Ambient (°C) 40 C actor (%)
Enclosure         IP         Ins. Class         S.F.         Duty         NEMA Nom. Eff.         NEMA Design         KVA Code           TEFC         55         F         1.15         CONT         93.6         B           oad         HP         KW         Amperes         Efficiency (%)         Power F           ull Load         60.00         44.7         68         94.2         8           Load         45.00         33.6         53         93.3         8           Load         45.00         32.6         84.3         6           load         15.00         11.2         26         84.3         6           load Rotor         473         3         3         3           Sate Stall Time(s)         Sound         Pressure         Pull Up         (% FLT)         (% FLT)           30         7         -         6312C3         6312C3         7           Sate Stall	Ambient (°C) 40 C actor (%)
TEFC         55         F         1.15         CONT         93.6         B           oad         HP         KW         Amperes         Efficiency (%)         Power ff           ull Load         60.00         44.7         68         94.2         68           Load         45.00         33.6         53         93.3         8           Load         45.00         33.6         53         90.9         7           Load         15.00         11.2         26         84.3         6           load         15.00         11.2         26         84.3         6           load         19.9         7         7         7         7           ocked Rotor         473         3         3         8           Viead         Iccked Rotor         Pull Up         Break Down         (% FLT)           (lb-ft)         (% FLT)         (% FLT)         (% FLT)         (% FLT)           0         Agency         Bearings*         Approx. M           Cold         Hot         Pressure         Approx. M           Ordor Daving-Colds SD CFace Fooled         Agency SD CFace Fooled         Approx. M           Matomer         Ap	40 C actor (%) .3
Oad         HP         KW         Amperes         Efficiency (%)         Power f           ull Load         60.00         44.7         68         94.2         8           Load         45.00         33.6         53         93.3         8           Load         30.00         22.4         38         90.9         7           Load         15.00         11.2         26         84.3         6           ocked Rotor         47.3         5         7         7           ocked Rotor         47.3         7         7         7           Safe Stall Time(s)         Pressure         Pressure         Rearings*         Approx. M           Cold         Hot         dB(A) @ 1M         DE         NDE         (t)           13         7         -         63122C3         63122C3         7	<b>actor (%)</b> .3
Uil Load         60.00         44.7         68         94.2         8           i Load         45.00         33.6         53         93.3         8           i Load         30.00         22.4         33         90.9         7           i Load         15.00         11.2         26         84.3         6           io Load         19.9	.3
UIL Load         60.00         44.7         68         94.2         8           i. Load         45.00         33.6         53         93.3         8           i. Load         30.00         22.4         38         90.9         7           i. Load         15.00         11.2         26         84.3         6           io Load         19.0	.3
Load         30.00         22.4         38         90.9         7           Load         15.00         11.2         26         84.3         6           lo Load         15.00         11.2         26         84.3         6           lo Load         19.9	<u>^</u>
Load         15.00         11.2         26         84.3         6           lo Load         19.9         7         7         7         7         3         3           Full Load         Locked Rotor         Pull Up         Break Down         Break Down         (% FLT)         (% FLT)<	5.2
Image: Source of Color     Image: Source	0.6
Torque       Torque       Full Load     Locked Rotor     Pull Up     Break Down       (lb-ft)     (% FLT)     (% FLT)     (% FLT)       88.5     245     185     270         Safe Stall Time(s)     Sound     Bearings*     Approx. M       Cold     Hot     dB(A) @ 1M     DE     NDE     ((       13     7     -     6312ZC3     6312ZC3     7   Bearings are the only recommended spare part(s). Moturel Family: EQP Global SD CFace Footed Wounting: C-Face Footed, Shaft: TS Shaft       Sustomer	5.2
Torque         Torque           Fuil Load         Locked Rotor         Pull Up         Break Down           (lb-ft)         (% FLT)         (% FLT)         (% FLT)           88.5         245         185         270           Safe Stall Time(s)         Sound Pressure dB(A) @ 1M         Bearings*         Approx. M           Cold         Hot         dB(A) @ 1M         DE         NDE         (l           13         7         -         63122C3         63122C3         7           Bearings are the only recommended spare part(s).         Motor Options:         Norduct Family: EQP Global SD CFace Footed Wounting; C-Face Footed, Shaft: TS Shaft	.3
Full Load (b-ft)         Locked Rotor (% FLT)         Pull Up (% FLT)         Break Down (% FLT)           88.5         245         185         270           Safe Stall Time(s)         Sound Pressure dB(A) @ 1M         Bearings*         Approx. M (u           13         7         -         63122C3         63122C3         7           Bearings are the only recommended spare part(s).         Interview of the only recommended spare part(s).         Interview of the only recommended spare part(s).         Interview of the only recommended spare part(s).           Interview of the only recommended spare part(s).         Interview of the only recommended spare part(s).         Interview of the only recommended spare part(s).           Interview of the only recommended spare part(s).         Interview of the only recommended spare part(s).         Interview of the only recommended spare part(s).           Interview of the only recommended spare part(s).         Interview of the only recommended spare part(s).         Interview of the only	5.7
Full Load (lb-ft)         Locked Rotor (% FLT)         Pull Up (% FLT)         Break Down (% FLT)           88.5         245         185         270           Safe Stall Time(s)         Sound Pressure dB(A) @ 1M         Bearings*         Approx. M           13         7         -         6312ZC3         6312ZC3         7           3earings are the only recommended spare part(s).         Motor Options: Product Family:EQP Global SD CFace Footed Wounting:C-Face Footed, Shaft:TS Shaft         Shaft         Shaft	
(Ib-ft)     (% FLT)     (% FLT)     (% FLT)       88.5     245     185     270         Safe Stall Time(s)     Sound Pressure dB(A) @ 1M     Bearings*     Approx. M       Cold     Hot     dB(A) @ 1M     DE     NDE     (I       13     7     -     6312ZC3     6312ZC3     7   Bearings are the only recommended spare part(s). Sound spare family:EQP Global SD CFace Footed wounting:C-Face Footed, Shaft:TS Shaft       Statemer     Statemer     Statemer	Rotor wk
Safe Stall Time(s)     Sound Pressure dB(A) @ 1M     Bearings*     Approx. M       13     7     -     6312ZC3     6312ZC3     7       Gearings are the only recommended spare part(s).       Motor Options: Product Family:EQP Global SD CFace Footed Wounting:C-Face Footed,Shaft:TS Shaft	Inertia
Safe Stall Time(s)       Sound Pressure dB(A) @ 1M       Bearings*       Approx. M         13       7       -       6312ZC3       6312ZC3       7         3earings are the only recommended spare part(s).       6312ZC3       6312ZC3       7         Otor Options: Product Family:EQP Global SD CFace Footed Wounting:C-Face Footed, Shaft:TS Shaft       9         Sustomer       2       2       2	(lb-ft²)
Cold         Hot         Pressure dB(A) @ 1M         Bearings*         Approx. M           13         7         -         6312ZC3         6312ZC3         7           3earings are the only recommended spare part(s).         -         6312ZC3         6312ZC3         7           Abprox. M         -         6312ZC3         6312ZC3         7         7           3earings are the only recommended spare part(s).         -         6312ZC3         7         7	11.25
Iotor Options:         Product Family:EQP Global SD CFace Footed         Mounting:C-Face Footed,Shaft:TS Shaft         Sustomer         Sustomer PO	98
Customer PO	
Customer PO	
Customer PO	
ales Urder	
Project #	
-y.	
I characteristics are average expected values.	
TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.	
Engineering         bmammen         Doc. Written By         D. Suarez         Doc.# / Rev           Engr. Date         7/17/2024         Doc. Approved By         M. Campbell         Doc. Issued	MPCF-1119 /



Leading Innovation >>>

## TYPICAL MOTOR PERFORMANCE DATA

Issued Date

Issued By

6/19/2025

dschoeck

Transmit #

Issued Rev

-	0602SDSR42E				•			
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
oad	HP	kW	Amp		Efficiency	/ (%)	Power Fa	
ull Load	60.00	44.7	8		93.1			3.8
4 Load	45.00	33.6	6		92.7			7.5
<sup>1</sup> 2 Load	30.00	22.4	4		90.9			3.6
4 Load	15.00	11.2	2		85.3			9.8
No Load Locked Rotor			16 50				34	.2
			Torqu					Rotor wk
Full Lo	ad		d Rotor		ull Up		ak Down	Inertia
(lb-ft			FLT)		5 FLT)	(%	% FLT)	(lb-ft²)
107		1	95		145		250	11.25
Cold	Hot	dB(A) @ 1M	D	E	NDE		(Ib	os)
Cold 19	8	dB(A) @ 1M -	D 6312		NDE 6312ZC	23		98
	8 ecommended spare	- part(s). ace Footed				23		-
19 Bearings are the only re Motor Options: Product Family:EQF	8 ecommended spare	- part(s). ace Footed				23		-
19 Bearings are the only re <b>Aotor Options:</b> Product Family:EQF Mounting:C-Face Fo	8 ecommended spare	- part(s). ace Footed				23		-
19 Bearings are the only re <b>Motor Options:</b> Product Family:EQF Mounting:C-Face Fo	8 ecommended spare	- part(s). ace Footed				23		-
19 Bearings are the only re <b>Notor Options:</b> Product Family:EQF Mounting:C-Face Fo Mounting:C-Face Fo	8 ecommended spare	- part(s). ace Footed				23		-
19 Bearings are the only re <b>Notor Options:</b> Product Family:EQF Mounting:C-Face Fo Mounting:C-Face Fo Sustomer PO Sales Order	8 ecommended spare	- part(s). ace Footed				23		-
19 Bearings are the only re <b>Notor Options:</b> Product Family:EQF Mounting:C-Face Fo Mounting:C-Face Fo Sustomer Sustomer PO Sales Order Project #	8 ecommended spare	- part(s). ace Footed				23		-
19 Bearings are the only re <b>Notor Options:</b> Product Family:EQF Mounting:C-Face Fo Mounting:C-Face Fo Sustomer Sustomer PO Sales Order Project #	8 ecommended spare	- part(s). ace Footed				23		-
19 Bearings are the only re Product Family:EQF Aounting:C-Face For Aounting:C-Face For Sustomer Sustomer PO iales Order Project # ag:	8 ecommended spare P Global SD CF: boted,Shaft:TS :	- part(s). ace Footed Shaft				23		-
19 Bearings are the only re Product Family:EQF Aounting:C-Face For Aounting:C-Face For Sustomer Sustomer PO iales Order Project # ag:	8 ecommended spare P Global SD CFa boted,Shaft:TS a	e part(s). ace Footed Shaft	6312	ZC3				-
19 Bearings are the only re <b>Notor Options:</b> Product Family:EQF	8 ecommended spare P Global SD CFa boted,Shaft:TS a erage expected val	e part(s). ace Footed Shaft	6312	ZC3	6312ZC	AS U.S.A.		-



HP

60

Enclosure

TEFC

Locked Rotor

Amps

473

350

280

(%) enbrought 140

140

70

ᅆ

Torque

Customer

Customer PO

Sales Order

Project #

Tag:

Current

			Issued Date	6/19/202	25	Transmit #	
			Issued By	dschoed	ck	Issued Rev	
	S	PEED TOI	RQUE/CURREN	IT CURVE			
Po	le	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
2		3560	364TSC	230/460	60	3	136/68
Ins. C	lass	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
F		1.15	CONT	93.6	В		40 C
				Torque			
Full L		Loc	ked Rotor	Pull U	o	Break	
<b>(lb-</b> 88			<b>(%)</b> 245	<b>(%)</b> 185		<b>(%</b> 27	
- 00	.0		<i>L</i> -1∪	105		21	•
		•					20 40 O
		• •	••	• •		3	Current (%)
						1	80
20		4(	)	50	80	100	

Model: 0602SDSR42B-P

kW

45

IP

55 Rotor wk<sup>2</sup>

Inertia

(lb-ft<sup>2</sup>)

11.25

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	Engr. Date 7/17/2024 Doc. Approved By M. Campbell Doc. Issued 6/8/2011								

Synchronous Speed (%)

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

Load Type

Voltage (%)

Accel. Time

-

-100

-



HP

60

Enclosure

TEFC

Locked Rotor

Amps

505

300

240

Model: 0602SDSR42B-P

kW

45

IP

55

Rotor wk<sup>2</sup>

Inertia

(lb-ft<sup>2</sup>)

11.25

bmammen

7/17/2024

Engineering

Engr. Date

		Issued Date	6/19/20	25	Transmit #	
		Issued By	dschoe	-	Issued Rev	
		Issued by			133000 1107	
S	PEED TORQ	UE/CURREN	IT 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		Pull U	р	Break	
(lb-ft)	(%		(%)		(%	»)
107	19	5	145		25	0
					7	00
						00 60
					5	60
					5	60 20 Current (%
					4	60

180			•		420
(%) nbuo 120		••			280 Current (%)
60 0 0	20 4 Syr	o o		80	100
Torque Current					
Customer			wk <sup>2</sup> Load Inert		-
Customer PO				bad Type	-
Sales Order Project #				Itage (%) cel. Time	- 100
Tag:					
All characteristics are average expected values. TOSH	IBA INTERNATIONAL	CORPORATION	HOUSTON, TEXAS	U.S.A.	

Doc. Written By

Doc. Approved By

D. Suarez

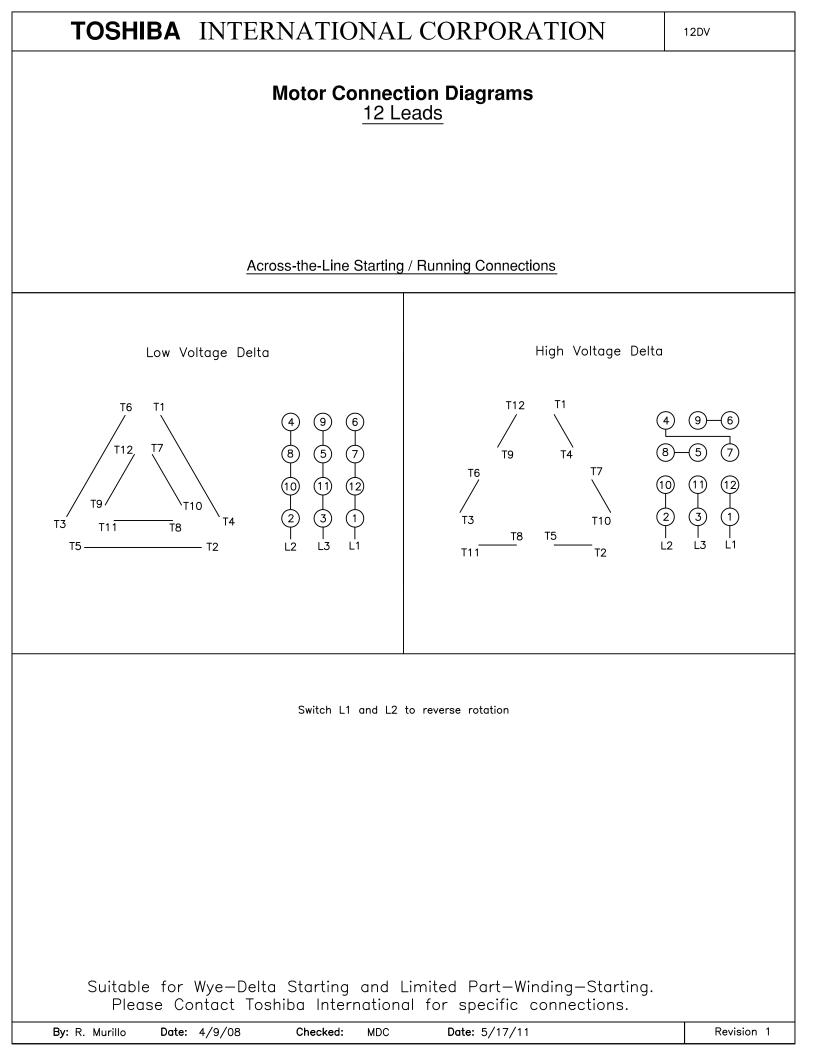
M. Campbell

Doc.# / Rev

Doc. Issued

MPCF-1121 / 0

6/8/2011



				Issued Date:	6/19/20	)25	Transmit #:	
TOSHIBA				Issued By:	dschoe	eck	Issued Rev:	
Leading Inn			SPAR	E PARTS LIS	T*			
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
<b>HP</b> 60	<b>kW</b> 45	Pole 2	<b>FL RPM</b> 3560	Frame 364TSC	<b>Voltage</b> 230/460	<b>Hz</b> 60	Phase 3	FL Amps 136/68
					0			

Bearings DE	6312ZC3 / 60BC03JP3OX
Bearings NDE	6312ZC3 / 60BC03JP3OX

\*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 aver	age expected values.				
	TOSHIBA INTE	RNATIONAL CORPORATION · H	OUSTON, TEXAS U.S.A.		
Engineering	bmammen	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