

DO NOT USE FOR CONSTRUCTION, INSTALLATION, OR APPLICATION PURPOSES UNLESS THE DRAWING IS MARKED AS CERTIFIED

X CERTIFIED



FOSHIBA	INTERNATIONAL	CORPORATION
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TOTALLY ENCLO	SED FAN COOLED	DRAWING #:	MDSLV001-	-07			
HORIZONTAL F	OOT MOUNTED	REV. DATE:	07/11/18	REV. #:	2	PER.: M. O'DOWD	
3 PHASE INDU	ICTION MOTOR	REV. DESCRIP.:					
364T-365T	F1 ASSEMBLY	_					



HP

60

Enclosure

TEFC

Load

Full Load

3/4 Load

1/2 Load

1/4 Load

No Load

Locked Rotor

Model: 0604SDSR41A-P

kW

45

IP

55

ΗP

60.00

45.00

30.00

15.00

Innovation	>> >	
		TVDIC

Pole

4

Ins. Class

F

kW

44.7

33.6

22.4

11.2

S.F.

1.15

6/19/2025 **Issued Date** Transmit # dschoeck Issued By **Issued Rev** TYPICAL MOTOR PERFORMANCE DATA FL RPM Frame Voltage Hz Phase FL Amps 136/68 1775 364T 230/460 60 3 NEMA NEMA Ambient kVA Code Duty Nom. Eff. Design (°C) CONT 95.0 В 40 C Efficiency (%) Power Factor (%) Amperes 95.3 87.1 67 52 94.8 85.2 93.2 79.4 37 26 87.9 61.0 19.5 4.9 473 26.5

	Torque						
Full Load	Locked Rotor	Pull Up	Break Down	Inertia			
(lb-ft)	(% FLT)	(% FLT)	(% FLT)	(lb-ft²)			
178	175	125	270	16.80			

Safe Stall	Time(s)	Sound	Bearin	ac*	Approx. Motor Weight
Cold	Hot	Pressure	Dealin		
oold	not	dB(A) @ 1M	DE	NDE	(lbs)
35	15	-	6314ZC3	6312ZC3	819

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

Motor Options: Product Family:EQP Global SD

Mounting:Footed,Shaft:T Shaft Full Load Amps at 208: 150

Customer **Customer PO** Sales Order Project #

Tag:

All characteristics are average expected values.

TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.							
Engineering	Jrodrigu	Doc. Written By	D. Suarez	Doc.#/Rev	MPCF-1119 / 0		
Engr. Date	7/25/2024	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011		



Leading Innovation >>>

TYPICAL MOTOR PERFORMANCE DATA

Issued Date

Issued By

6/19/2025

dschoeck

Transmit #

Issued Rev

60 45 4 1470 364T 190/380 50 3 164 Enclosure IP Ins. Class S.F. Duty Non. Eff. NEMA Non. Eff. NEMA Posign KVA Code Amb (Y TEFC 55 F 1.0 CONT 93.1 B 40 .oad HP MW Amperes Efficiency (%) Power Factor (%) .iad 4500 33.6 62 94.1 87.9 .iad 4500 33.6 62 94.0 87.2 .iad 15.00 11.2 28 88.7 6.9 .iad 15.00 11.2 28 88.7 6.9 .iad 15.00 11.2 20.8 66.7 6.9 .iad 16.00 16.2 16.0 16.0 16.0 .iadd Rotor KPLT) (% FLT) (% FLT) (% FLT) (% Power Macron Weight) .idkly @ 1M DE NDE (Bas) 31.2<			116			ANCE DATA			
60 45 4 1470 394T 190380 50 3 164 Enclosure IP Inc. Class S.F. Duty Nom. Eff. Design kVA Code Amb TEFC 55 F 1.0 CONT 93.1 B 40 add HP MW Amperes Efficiency (%) Power Factor (%) uil Load 40.00 44.7 32 94.1 87.9 1 Load 40.00 44.7 32 94.1 87.9 1 Load 40.00 22.4 43 93.0 87.2 1 Load 10.00 11.2 28 88.7 67.9 1 Load 15.00 11.2 28 88.7 6.9 1 Load 10.6 17.6 23.0 16 21.4 145 105 23.0 16 Safe Stall Time(s) Sound Pressure Bearings* Approx. Motor Weig 35 15 - 63	Model:	0604SDSR41	A-P						
00 45 4 1470 364T 190/380 50 3 164 Enclosure IP Ins. Class S.F. Duty Nom. Eff. NEMA Nom. Eff. NEMA Pesign KVA Code Amb Program oad HP IN. Class S.F. Duty Nom. Eff. Design KVA Code Amb Pesign oad HP HW Amperes Efficiency (%) Power Factor (%) viii Load 45.00 33.6 62 94.1 87.2 1 Load 45.00 32.6 88.7 67.9 10.0d 10 Load 17.6 4.9 4.9 20.8 20.8 20.8 i Load 10.0d Locked Rotor 7.16 2.30 16. Via Load Locked Rotor 14.6 106 2.30 16. Safe Stall Time(s) Sound GRA(s) Bearings* Approx. Motor Weig Approx. Motor Weig 35 15 - 63142C3 6312C3 819	НР	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
Enclosure IP Ins. Class S.P. Duty Nom. Eff. Design KVA Code (* TEFC 55 F 1.0 CONT 93.1 B 40 oad HP KW Amperes Efficiency (%) Power Factor (%) uit Load 60.00 447 62 94.1 87.9 Load 30.00 22.4 43 90.0 68.3 Load 15.00 11.2 28 88.7 67.9 Load 15.00 11.2 28 88.7 67.9 Load 15.00 11.2 28 88.7 67.9 Load Do Load 516 26.8 77.9 93.1 Safe Stall Time(s) Event Own (b-1) (b-1) 76.9 10.5 230 16.1 Safe Stall Time(s) Sound Pressure Bearings* Approx. Motor Weig (b-1) Cold Hot dB(A) @ 1M DE NDE (b-1)									164/82
TEPC 55 F 1.0 CONT 93.1 B 40 cad HP HW Amperes Efficiency (%) Power Factor (%)	Enclosure	IP	Ins. Class	S.F.	Duty			kVA Code	Ambient (°C)
oad HP KW Amperes Efficiency (%) Power Factor (%) uil Load 45:00 33:6 62 94:1 67:9 Load 45:00 33:6 62 94:0 67:9 Load 30:00 22:4 43 83:0 63:1 Load 15:00 11:2 28 88.7 67:9 Load 15:00 11:2 28 88.7 67:9 Jacked Rotor 516 26:8 88.7 67:9 9 scked Rotor 516 26:8 88.7 67:9 9 Kbrop (b-td) (r/r, b-tc) (r/r, b-tc) 9 9 9 9 9 16 Safe Stall Time(s) Sound Bearings* Approx. Motor Weig (b-d) (b) 16 Safe Stall Time(s) Sound DE NDE (b) 16 Safe Stall Time(s) Sound DE NDE (b) 16 Safe Stall Time(s)	TEFC	55	F	1.0	CONT				40 C
UIL Load 60.00 44.7 82 94.1 67.9 Load 45.00 33.6 62 94.0 67.2 Load 15.00 11.2 28 93.0 67.9 Load 15.00 11.2 28 88.7 67.9 ocked Rotor 516 26.8 7 4.9 26.8 Colod Colod 15.0 11.2 28 88.7 67.9 4.9 ocked Rotor 516 26.8 7 4.9 26.8 7 67.9 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 2.6.8 7 1.0	1210				00111				100
UIL Load 60.00 44.7 82 94.1 67.9 Load 45.00 33.6 62 94.0 67.2 Load 15.00 11.2 28 93.0 67.9 Load 15.00 11.2 28 88.7 67.9 ocked Rotor 516 26.8 7 4.9 26.8 Colod Colod 15.0 11.2 28 88.7 67.9 4.9 ocked Rotor 516 26.8 7 4.9 26.8 7 67.9 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 2.6.8 7 1.0	oad	HP	kW	Amp	eres	Efficiency	v (%)	Power F	actor (%)
Load 45.00 33.6 62 94.0 67.2 Load 30.00 22.4 43 93.0 68.3 Load 15.00 11.2 28 88.7 67.9 o Load 17.6 4.9 26.8 76.7 9 o Load 17.6 26.8 76.7 9 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 26.8 76.0 75.0 76.0 72.0 10.0							/ (- /		
Load 30.00 22.4 43 93.0 93.3 Load 15.00 11.2 28 88.7 67.9 o Load 15.00 11.2 28 88.7 67.9 ocked Rotor 516 28.8 4.9 26.8 Torque Presk Down Intervention (b-H) Locked Rotor Pull Up Break Down Intervention (b-H) (V, FLT) (V, FLT) (V, FLT) (V, FLT) (b-H) (V, FLT) (V, FLT) (V, FLT) (V, FLT) 214 145 105 230 16 Safe Stall Time(s) Sound Pressure d8(A) @ 1M DE NDE (Ibs) 35 15 - 63142C3 63122C3 819 Value Amily EOP Global SD NDE NDE Mode Amily EOP Global SD Nound Family EOP Global SD Value Amily EOP Global SD									



		Issued Date	6/19/202	25	Transmit #	
		Issued By	dschoec	k	Issued Rev	
S	PEED TORQ	UE/CURREN	IT CURVE			
Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
4	1775	364T	230/460	60	3	136/68
Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
F	1.15	CONT	95.0	В		40 C
			Torque			
Full Load	Locked		Pull Up		Break	
(lb-ft) 178	(% 17		(%) 125		(% 27	
					8	00
					- A C	40
					4	40

(%) anbio 140		• •		480 Current 320 %
Torc	0 20	40 Synchronous Spee	60 80 d (%)	100
Customer			wk ² Load Inertia (lb-ft ²)	-
Customer PO]	Load Type	-
Sales Order		4	Voltage (%)	
Project # Tag:		1	Accel. Time	-
All characteristics are av	erage expected values.			
		RNATIONAL CORPORATION ·	HOUSTON, TEXAS U.S.A.	
Engineering	Jrodrigu	Doc. Written By		Doc.# / Rev MPCF-1121 / 0
Engr. Date	7/25/2024	Doc. Approved By	M. Campbell	Doc. Issued 6/8/2011

HP kW

350

280

45

IP

55

Rotor wk²

Inertia

(lb-ft²)

16.80

60

Enclosure

TEFC

Locked Rotor

Amps

473

Model: 0604SDSR41A-P



HP

60

Enclosure

TEFC

Locked Rotor

Amps

516

Model: 0604SDSR41A-P

kW

45

IP

55

Rotor wk²

Inertia

(lb-ft²)

16.80

Pole

4

Ins. Class

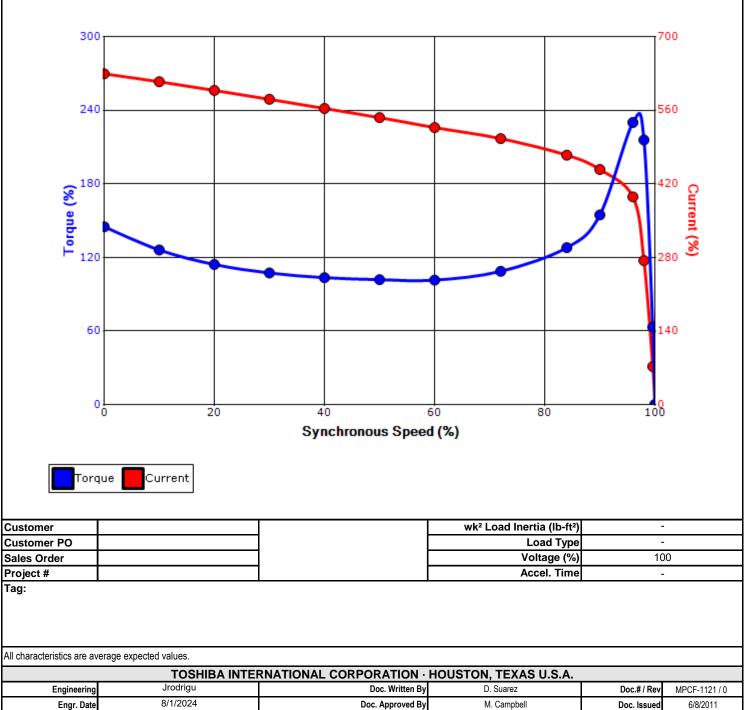
F

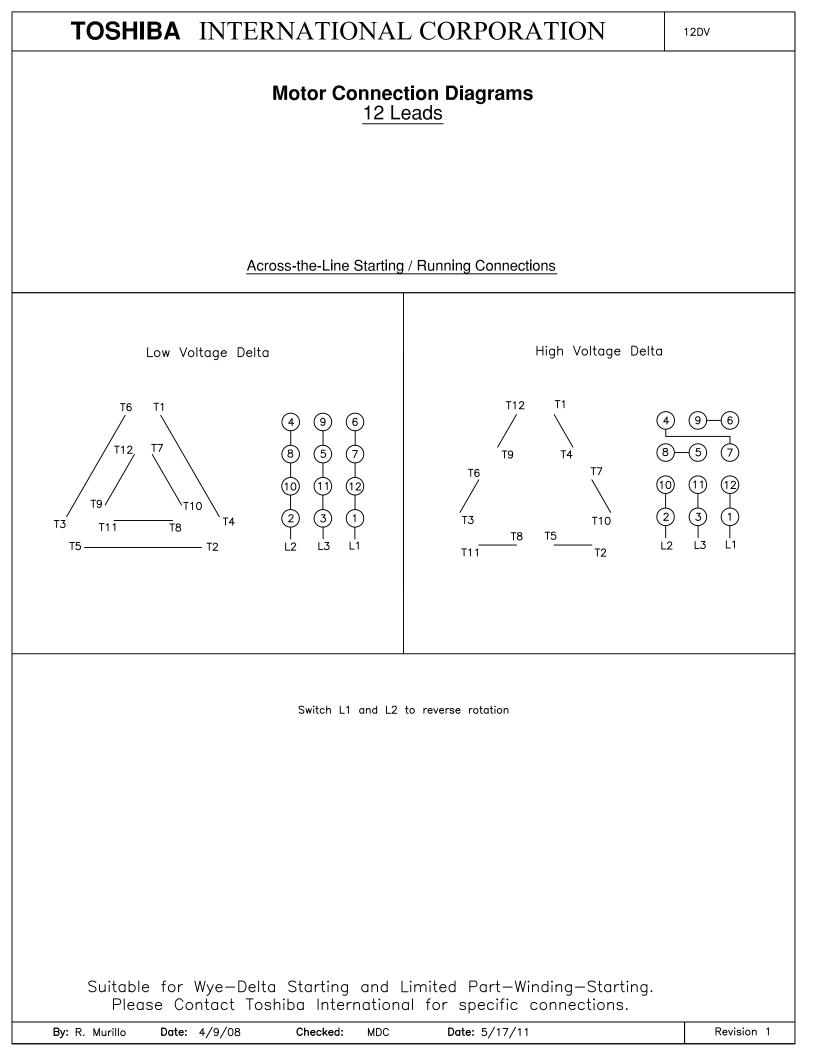
Full Load

(lb-ft)

214

		Issued Date	6/19/202	25	Transmit #	
		Issued By	dschoe	ck	Issued Rev	
SF	PEED TORQ	UE/CURREN	T CURVE			
	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
	1470	364T	190/380	50	3	164/82
	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
	1.0	CONT	93.1	В		40 C
			Torque			
	Locked	Rotor	Pull U	p	Break	Down
	(%	6)	(%)		(%	6)
	14	45	105		23	30
	De	sign Value	es		_	00





				Issued Date:	6/19/20)25	Transmit #:	
TOSH	IBA			Issued By:	dschoe	eck	Issued Rev:	
Leading Inn	ovation >>>	•	SPARI	E PARTS LIS	T *			
Model:	0604SDSR41	A-P						
Model:	0604SDSR41	A-P Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
			FL RPM 1775	Frame 364T	Voltage 230/460	Hz 60	Phase 3	FL Amps 136/68
HP	kW	Pole			<u> </u>			

*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 av					
		RNATIONAL CORPORATION	HOUSION, IEXAS U.S.A.		
Engineering		Doc. Written By	D. Suarez	Doc.#/Rev	MPCF-1125 / 0
Engr. Date	7/25/2024	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011