

TOSHIBA RESERVES THE RIGHT TO MAKE CHANGES OF TECHNICAL IMPROVEMENT AND THE DATA MAY CHANGE WITHOUT NOTICE

PRFI IMINARY

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

•	•	 	 		`	

X CERTIFIED



OSHIBA INTERNATIONAL CORPORATION

TOTALLY ENCLOS	SED FAN COOLED	DRAWING #:	MDSLV001-	-04			
HORIZONTAL F	OOT MOUNTED	REV. DATE:	06/29/18	REV. #:	3	PER.: M. O'DOWD	
3 PHASE INDU	CTION MOTOR	REV. DESCRIP.:					
254T-256T	F1 ASSEMBLY						



eading	Innovation	>>>
--------	------------	-----

TYPICAL MOTOR PERFORMANCE DATA

Issued Date

Issued By

6/19/2025

dschoeck

Transmit #

Issued Rev

	1.34/			F	M = 14 =		Disco	
HP 20	kW 15	Pole 4	FL RPM 1770	Frame 256T	Voltage 230/460	Hz 60	Phase 3	FL Amps 52/26
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA	NEMA	kVA Code	Ambient
TEEO				_	Nom. Eff.	Design		(°C) 40 C
TEFC	55	F	1.15	CONT	93.0	В		40 C
oad	HP	kW	Ampe	eres	Efficiency	/ (%)	Power F	actor (%)
ull Load	20.00	14.9	20		93.0			6.5
Load	15.00	11.2	2	1	92.2		72	2.1
Load	10.00	7.5	16		90.0			2.4
Load	5.00	3.7	13	.4	83.0		41	1.8
o Load			11					.6
ocked Rotor			15	57			39	9.3
		<u> </u>	Torque			-		Rotor wk ²
Full Lo			d Rotor		III Up		ak Down	Inertia
(lb-ft 59.3			FLT) 70		FLT) 190	(%	6 FLT) 295	(lb-ft ²) 3.17
Safe Stall 1		Sound Pressure		Bearin	gs*		Approx. Motor Weight	
Cold	Hot							
Cold	not	dB(A) @ 1M	DI	E	NDE		(Ik	os)
35	15	-	DI 63092		NDE 6309ZZ		-	55) 31
35 Bearings are the only re lotor Options: roduct Family:EQF	15 ecommended spare	-					-	-
35 Bearings are the only re Iotor Options: Product Family:EQF Nounting:Footed,Sh	15 ecommended spare	-					-	-
35 Bearings are the only re Iotor Options: Product Family:EQF Nounting:Footed,Sh	15 ecommended spare	-					-	-
35 Bearings are the only re lotor Options: roduct Family:EQF Aounting:Footed,Sh	15 ecommended spare	-					-	-
35 Bearings are the only re lotor Options: roduct Family:EQF founting:Footed,Sh dounting:Footed,Sh ustomer ustomer ustomer PO ales Order roject #	15 ecommended spare	-					-	-
35 Bearings are the only re lotor Options: roduct Family:EQF Mounting:Footed,Sh Mounting:Footed,Sh ustomer ustomer ustomer PO ales Order roject #	15 ecommended spare	-					-	-
35 Bearings are the only re lotor Options: rroduct Family:EQF founting:Footed,Sh dounting:Footed,Sh ustomer ustomer ustomer PO ales Order roject # ag:	15 ecommended spare P Global SD haft:T Shaft		63092	22C3	6309ZZ	C3	-	-
35 Bearings are the only re Product Family:EQF Mounting:Footed,Sh ustomer ustomer PO ales Order roject # ag:	15 ecommended spare P Global SD haft:T Shaft	part(s).	63092	RPORATION ·	6309ZZ	C3	3	31
	15 ecommended spare P Global SD haft:T Shaft		63092	22C3	6309ZZ	C3	-	-



eading lı	nnovat	ion >>>
-----------	--------	---------

TYPICAL MOTOR PERFORMANCE DATA

Issued Date

Issued By

6/19/2025

dschoeck

Transmit #

Issued Rev

HP	kW	Pole	FL RPM	Frame	Valtaga	Hz	Phase	
20	15	4	1460	256T	Voltage 190/380	Hz 50	3	FL Amps 62/31
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA	NEMA	kVA Code	Ambient
TEEO			1.0	-	Nom. Eff.	Design		(°C) 40 C
TEFC	55	F	1.0	CONT	90.6	В		40 C
oad	HP	kW	Ampe	eres	Efficiency	/ (%)	Power F	actor (%)
ull Load	20.00	14.9	3		91.2		80	0.2
4 Load	15.00	11.2	24	4	91.0			7.3
2 Load	10.00	7.5	18		89.6			9.4
4 Load	5.00	3.7	13	.7	83.9		49	9.3
lo Load			12					.2
ocked Rotor			15	9			40	0.1
			T					
Full L	aad		Torque d Rotor		ıll Up	Dro	ak Down	Rotor wk ² Inertia
					ווו Up ה FLT)			
(lb-f 71.)	-		FLT) 20		155	(%	% FLT) 220	(lb-ft ²) 3.17
	15		63007	6309ZZC3 6309ZZC3		C3		os)
35	15	-	6309Z	ZC3	6309ZZ	C3		31
35 Bearings are the only m Motor Options: Product Family:EQ Mounting:Footed,S	ecommended spare		63092	2ZC3	6309ZZ	C3		-
Bearings are the only re Notor Options: Product Family:EQ	ecommended spare		63092	² ZC3	6309ZZ	C3		-
Bearings are the only re Motor Options: Product Family:EQ Mounting:Footed,S Customer	ecommended spare		63092	² ZC3	6309ZZ	C3		-
Bearings are the only re Motor Options: Product Family:EQ Mounting:Footed,S Customer Customer PO	ecommended spare		63092	² ZC3	6309ZZ	C3		-
Bearings are the only re Totor Options: Product Family:EQ Mounting:Footed,S Customer Customer PO Sales Order	ecommended spare		63092	² ZC3	6309ZZ	C3		-
Bearings are the only re Notor Options: Product Family:EQ Mounting:Footed,S Customer Customer PO Sales Order Project #	ecommended spare		63092	² ZC3	6309ZZ	C3		-
Bearings are the only re Totor Options: Product Family:EQ Nounting:Footed,S Sustomer Sustomer PO Sales Order Project # Tag:	ecommended spare	e part(s).						-
Bearings are the only re Totor Options: Product Family:EQ Aounting:Footed,S Sustomer Sustomer PO Sales Order Project # ag: Il characteristics are av	ecommended spare	lues.		RPORATION ·	HOUSTON, TEX		3	31
Bearings are the only re Notor Options: Product Family:EQ	ecommended spare	e part(s).			HOUSTON, TEX	AS U.S.A.		31 91 91 91 91 91 91 91 91 91 91 91 91 91



HP

20

Enclosure

TEFC

Locked Rotor

Amps

157

350

280

(%) enbrought 140

140

Model: 0204SDSR41A-P

kW

15

IP

55

Rotor wk²

Inertia

(lb-ft²)

3.17

Pole

4

Ins. Class

F

Full Load

(lb-ft)

59.3

	Issued Date	6/19/202	25	Transmit #	
	Issued By	dschoed	ck	Issued Rev	
PEED TORQ	UE/CURREN	T CURVE			
FL RPM	Frame	Voltage	Hz	Phase	FL Amps
1770	256T	230/460	60	3	52/26
S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
1.15	CONT	93.0	В		40 C
		Torque			
		totor Pull Up		Break I	
		(%)		(%	
27	0	190		29	5
					00 60
I					
	FL RPM 1770 S.F. 1.15 Locked (% 27	FL RPM Frame 1770 256T S.F. Duty 1.15 CONT Locked Rotor (%) 270 270	1770 256T 230/460 S.F. Duty NEMA Nom. Eff. 1.15 CONT 93.0 Torque Locked Rotor Pull Ug (%)	FL RPM Frame Voltage Hz 1770 256T 230/460 60 S.F. Duty NEMA NEMA 1.15 CONT 93.0 B Torque Locked Rotor Pull Up (%) (%) 190	FL RPM Frame Voltage Hz Phase 1770 256T 230/460 60 3 S.F. Duty NEMA Nom. Eff. NEMA Design kVA Code 1.15 CONT 93.0 B 1 Torque Locked Rotor Pull Up Break I (%) (%) (%) (%) 270 190 29 Design Values Image: State Sta

140

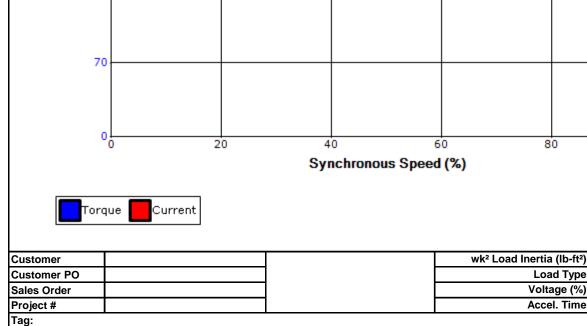
108

-

-

100

-



All characteristics are average expected values.

	TOSHIBA INTEI	RNATIONAL CORPORATION ·	HOUSTON, TEXAS U.S.A.		
Engineering	Jrodrigu	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0
Engr. Date	9/4/2024	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011



HP

20

Enclosure

TEFC

Locked Rotor

Amps

159

Tag:

250

200

Model: 0204SDSR41A-P

kW

15

IP

55

Rotor wk²

Inertia

(lb-ft²)

3.17

		Issued Date	6/19/20 dschoe		Transmit # Issued Rev	
		Issued By	dschoe	CK	Issued Rev	
SI	PEED TORQ	UE/CURREN	T CURVE			
Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
4	1460	256T	190/380	50	3	62/31
ns. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
F	1.0	CONT	90.6	В		40 C
			Torque	·		
ull Load	Locked	Rotor	Pull U	р	Break	Down
(lb-ft)	(%)		(%)		(%	b)
71.9	22	0	155		22	20
		sign Value				00
						00
						80
						80
						80
						80

120

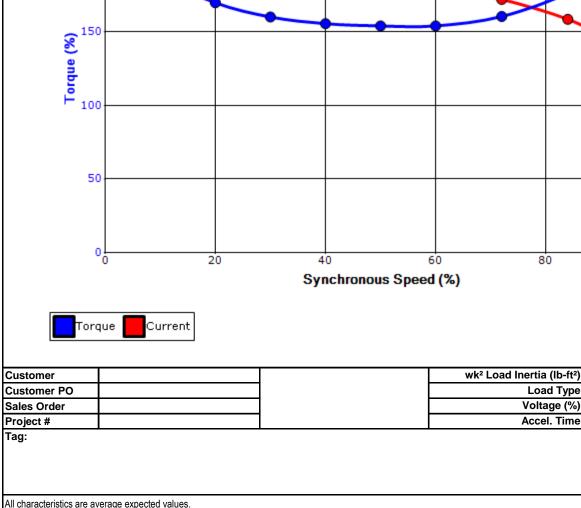
108

-

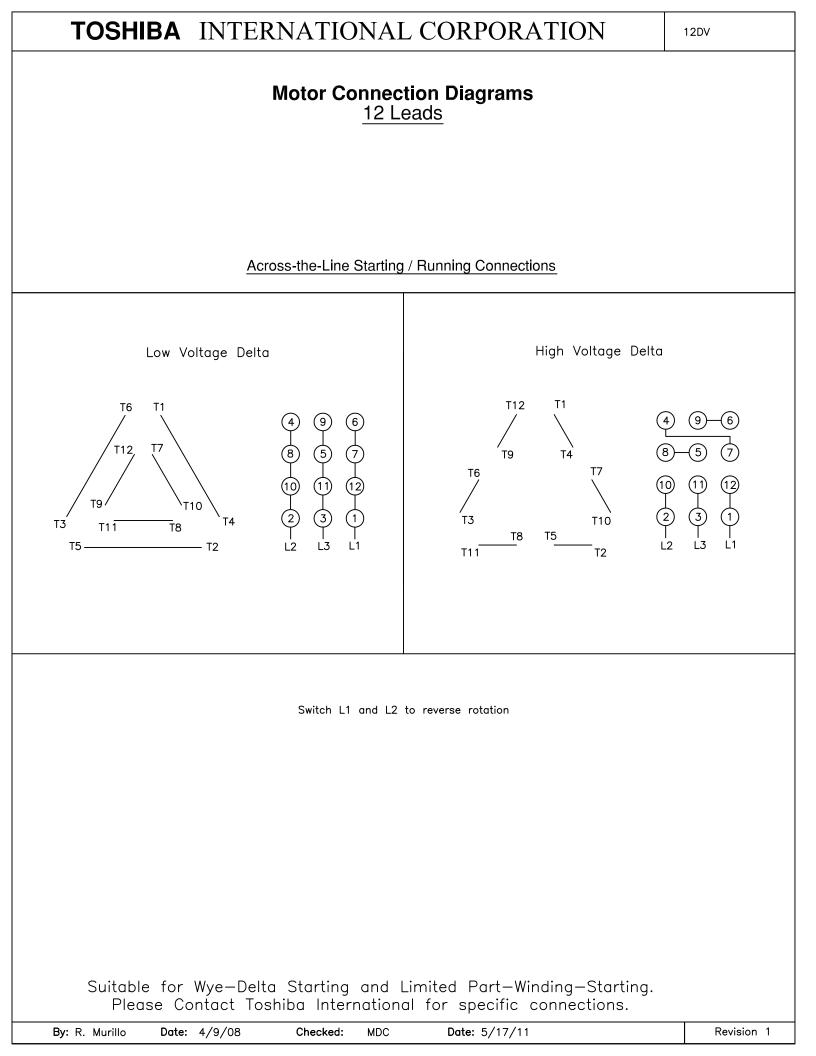
-

100

-



in characteristics are average expected values.									
TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.									
Engineering	Jrodrigu	Doc. Written By	D. Suarez	Doc.#/Rev	MPCF-1121 / 0				
Engr. Date	8/1/2024	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011				



TOSHIBA	Issued Date: Issued By:	6/19/2025 dschoeck
Leading Innovation >>>	SPARE PARTS LIST*	
Model: 0204SDSR41A-P		

	1									
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps		
20	15	4	1770	256T	230/460	60	3	52/26		
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)		
TEFC	55	F	1.15	CONT	93.0	В		40 C		
Bearings DE	earings DE 6309ZZC3 / 45BC03JPP3OX									
Bearings NDE	6309ZZC3 / 45BC03JPP3OX									

Transmit #: Issued Rev:

*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 av	erage expected values.								
TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.									
Engineering	Jrodrigu	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1125 / 0				
Engr. Date	9/4/2024	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011				