



HP

0.75

Enclosure

TEFC

Load

Full Load 3/4 Load

1/2 Load

1/4 Load No Load

Locked Rotor

Model: 3/42SDSR34H-P

kW

0.55

IP

55

HP

0.75

0.56

0.37

0.19

Pole

2

Ins. Class

F

kW

0.6

0.4

0.3

0.1

		Issued Date	6/19/20	25	Transmit #	
		Issued By	dschoeck		Issued Rev	
TYP	ICAL MOTO	R PERFORM	ANCE DATA			
е	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
	3510	56C	230/460	60	3	2.2/1.1
lass	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
	1.25	CONT	84.0	-		40 C
1	Amp	eres	Efficiency	/ (%)	Power Fa	actor (%)
6	1.	.1	84.8		78.7	
ł	0.	.8	82.9		72.4	
3	0.	.7	77.7		61	.3
Í	0.	.6	63.3		43	.0
	0.5				10	0

54.7

	Torque			Rotor wk ²
Full Load	Locked Rotor	Pull Up	Break Down	Inertia
(lb-ft)	(% FLT)	(% FLT)	(% FLT)	(lb-ft²)
1.12	220	170	275	0.04

7.4

Safe Stall	Time(s)	Sound	Bearings*		Approx. Motor Weight
Cold	Hot	Pressure	Dealin	95	Approx. Motor Weight
0010	not	dB(A) @ 1M	DE	NDE	(lbs)
35	15		6305ZZ	6305ZZ	48

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

Motor Options: Product Family:EQP Global SD Mounting:C-Face Round,Shaft:56

Customer Customer PO Sales Order Project # Tag:

All characteristics are av	rerage expected values.				
	TOSHIBA INTEI	RNATIONAL CORPORATION ·	HOUSTON, TEXAS U.S.A.		
Engineering	SPinzon	Doc. Written By	D. Suarez	Doc.#/Rev	MPCF-1119 / 0
Engr. Date	6/23/2022	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011



eading	Innovation	>>>
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TYPICAL MOTOR PERFORMANCE DATA

Issued Date

Issued By

6/19/2025

dschoeck

Transmit #

Issued Rev

	1.34/			F	Maltana		Disco	
HP 0.50	kW 0.37	Pole 2	FL RPM 2925	Frame 56C	Voltage 190/380	Hz 50	Phase 3	FL Amps 1.8/0.9
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA	NEMA	kVA Code	Ambient
		_		_	Nom. Eff.	Design		(°C)
TEFC	55	F	1.0	CONT	81.5	-		40 C
oad	HP	kW	Ampe	eres	Efficiency	y (%)	Power F	actor (%)
ull Load	0.50	0.4	0.		82.1			5.3
Load	0.37	0.3	0.		79.2			3.1
Load	0.25	0.2	0.		72.6			7.1
Load	0.12	0.1	0.		56.4).5
o Load ocked Rotor		-	0. 6.					1.9 3.9
	_		Torque					Rotor wk ²
Full Lo			d Rotor		ull Up		ak Down	Inertia
(lb-ft) 0.90			F LT) 65		200	(%	<mark>% FLT)</mark> 300	(lb-ft ²) 0.04
Safe Stall T		Sound Pressure		Bearin	ıgs*		Approx. Mo	otor Weight
Cold 35	Hot 15		DI 6305	E	ngs* NDE 6305Z		(lk	otor Weight os) ¹⁸
Cold 35 Bearings are the only re Notor Options: Product Family:EQP	Hot 15 commended spare	Pressure dB(A) @ 1M		E	NDE		(lk	os)
Cold 35	Hot 15 commended spare	Pressure dB(A) @ 1M		E	NDE		(lk	os)
Cold 35 earings are the only re- otor Options: roduct Family:EQP	Hot 15 commended spare	Pressure dB(A) @ 1M		E	NDE		(lk	os)
Cold 35 earings are the only re- otor Options: roduct Family:EQP lounting:C-Face Ro lounting:C-Face Ro	Hot 15 commended spare	Pressure dB(A) @ 1M		E	NDE		(lk	os)
Cold 35 earings are the only re- otor Options: roduct Family:EQP lounting:C-Face Ro lounting:C-Face Ro ustomer ustomer PO ales Order	Hot 15 commended spare	Pressure dB(A) @ 1M		E	NDE		(lk	os)
Cold 35 earings are the only re- otor Options: roduct Family:EQP lounting:C-Face Ro lounting:C-Face Ro ustomer ustomer ustomer PO ales Order roject #	Hot 15 commended spare	Pressure dB(A) @ 1M		E	NDE		(lk	os)
Cold 35 earings are the only re- otor Options: roduct Family:EQP lounting:C-Face Ro lounting:C-Face Ro ustomer ustomer PO ales Order roject #	Hot 15 commended spare	Pressure dB(A) @ 1M		E	NDE		(lk	os)
Cold 35 earings are the only re- otor Options: roduct Family:EQP lounting:C-Face Ro ustomer ustomer PO ales Order roject # ag:	Hot 15 commended spare P Global SD ound,Shaft:56	Pressure dB(A) @ 1M	6305	E	NDE 6305Z	Z	(lk	os)
Cold 35 earings are the only re- otor Options: roduct Family:EQP lounting:C-Face Ro lounting:C-Face Ro	Hot 15 commended spare 2 Global SD bund,Shaft:56	Pressure dB(A) @ 1M	6305	E	NDE 6305Z	Z 	(lk	os)



HP

0.75

Enclosure TEFC

Locked Rotor

Amps

7.4

				Issued Date	6/19/202	25	Transmit #	
SHI	BA			Issued By	dschoe		Issued Rev	
	ovation >>>	SI	PEED TORQ					
odel: _	3/42SDSR34H-I	P						
	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
	0.55	2	3510	56C	230/460	60	3	2.2/1.1
e	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
	55	F	1.25	CONT	84.0	-		40 C
tor	Rotor wk ²			_	Torque			
	Inertia	Full Load	Locked		Pull U	C	Break I	
$ \rightarrow $	(lb-ft²)	(lb-ft)	(%		(%)		(%	
	0.04	1.12	22	0	170		27	5
280 210							4	50 Current (%)
140 70								50 8
		20	40	6	50	80	108	
0			Synch	ronous Speed	l (%)			
0 Torq			Synch	ronous Speed		nertia (Ib-ft²)		

Customer	wk ² Load Inertia (lb-ft ²)	-
Customer PO	Load Type	-
Sales Order	Voltage (%)	100
Project #	Accel. Time	-
Tog		

Tag:

All characteristics are average expected values.

TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.								
Engineering	SPinzon	Doc. Written By	D. Suarez	Doc.#/Rev	MPCF-1121 / 0			
Engr. Date	6/23/2022	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011			



HP

0.50

Enclosure

TEFC

Locked Rotor

Amps

6.6

350

280

(%) anb_oL 140

140

70

ᅆ

20

		Issued Date	6/19/202		Transmit #	
		Issued By	dschoed	ck	Issued Rev	
SI	PEED TORQ	UE/CURREN	T CURVE			
Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
2	2925	56C	190/380	50	3	1.8/0.9
Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
F	1.0	CONT	81.5	-		40 C
			Torque			
Full Load	Locked		Pull U	D	Break	
(lb-ft)	(%		(%)		(%	
0.90	26	5	200		30	0
						80
				>	5	10
						Current (%)
					*	

170

100

-

-

100

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MPCF-1121 / 0

6/8/2011

80

Model: 3/42SDSR34H-P

kW

0.37

IP

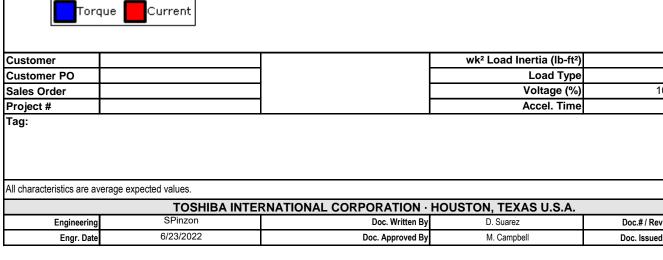
55

Rotor wk²

Inertia

(lb-ft²)

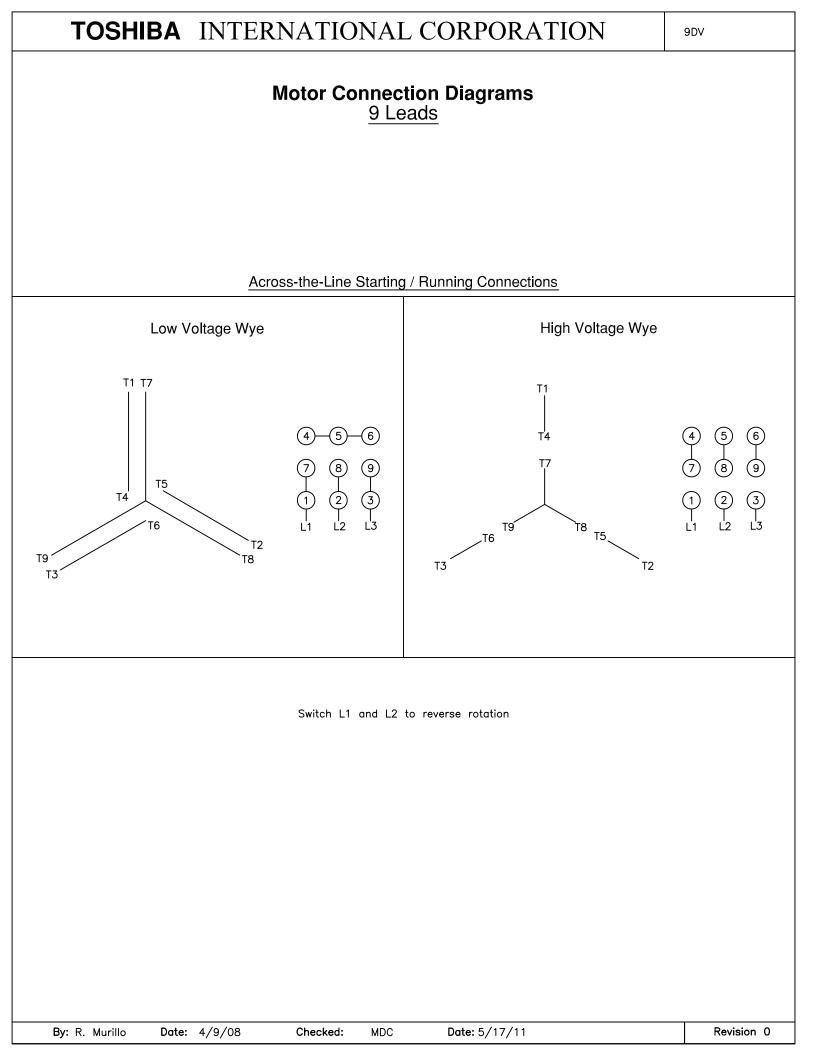
0.04



40

60

Synchronous Speed (%)



тозн	IRA			Issued Date: Issued By:	6/19/20 dschoe	-	Transmit #: Issued Rev:	
Leading Inn		•	SPARI	E PARTS LIS	ST*			
Model:	3/42SDSR34H	I-P						
Model:	3/42SDSR34H	I-P Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
			FL RPM 3510	Frame 56C	Voltage 230/460	Hz 60	Phase 3	FL Amps 2.2/1.1
HP	kW	Pole						

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

Bearings NDE

6305ZZ / 25BC03JPPOX

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		RNATIONAL CORPORATION · I	JOUGTON TEVAS ILS A		
r				r	
Engineering	SPinzon	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1125 / 0
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