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PRFI IMINARY

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

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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						



Model: 0058SDSR41A-P

kW

3.7

IP

55

ΗP

5.00

3.75

2.50

1.25

Pole

8

Ins. Class

F

kW

3.7

2.8

1.9

0.9

ΗP

5

Enclosure

TEFC

Load

Full Load

3/4 Load

1/2 Load

1/4 Load No Load Locked Rotor

		6/19/20	25	Transmit #	
'	Issued By	dschoe	ck	Issued Rev	
AL MOTOF		ANCE DATA			
FL RPM	Frame	Voltage	Hz	Phase	FL Amps
870	254T	230/460	60	3	15.0/7.5
S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
1.15	CONT	86.5	В		40 C
			/ (%)	Power Fa	
7. 6.	÷				
h		87.8 85.7		64 53	-
		00.7			. I
5.		77.5		33	6
	5	77.5		33 5.	
	870 S.F. 1.15 Ampe	870 254T S.F. Duty	870 254T 230/460 S.F. Duty NEMA Nom. Eff. 1.15 CONT 86.5	870 254T 230/460 60 S.F. Duty NEMA Nom. Eff. NEMA Design 1.15 CONT 86.5 B Amperes Efficiency (%)	870 254T 230/460 60 3 S.F. Duty NEMA Nom. Eff. NEMA Design KVA Code 1.15 CONT 86.5 B Image: Constraint of the second

	Torque	e		Rotor wk ²
Full Load	Locked Rotor	Pull Up	Break Down	Inertia
(lb-ft)	(% FLT)	(% FLT)	(% FLT)	(lb-ft²)
30.2	175	160	215	2.10

Safe Stall	Time(s)	Sound	Bearin	une*	Approx. Motor Weight
Cold	Hot	Pressure	Dealin	95	Approx. Motor Weight
Colu	not	dB(A) @ 1M	DE	NDE	(lbs)
35	15	-	6309ZZC3	6309ZZC3	

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

Motor Options: Product Family:EQP Global SD Mounting:Footed,Shaft:T Shaft

Customer PO Sales Order Project #

Tag:

Customer

All characteristics are average expected values.

	TOSHIBA INTE	RNATIONAL CORPORATION ·	HOUSTON, TEXAS U.S.A.		
Engineering	aguerrettaz	Doc. Written By	D. Suarez	Doc.#/Rev	MPCF-1119 / 0
Engr. Date	4/4/2019	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011



Model: 0058SDSR41A-P

kW

2.2

IP

55

ΗP

3.00

2.25

1.50

0.75

Pole

8

Ins. Class

F

kW

2.2

1.7

1.1

0.6

Locked Rotor

(% FLT) 225

ΗP

3

Enclosure

TEFC

Load

Full Load 3/4 Load

1⁄₂ Load

1/4 Load No Load Locked Rotor

	Issued Date	6/19/202	25	Transmit #	
	Issued By	dschoed	:k	Issued Rev	
	R PERFORM	ANCE DATA			
FL RPM	Frame	Voltage	Hz	Phase	FL Amps
725	254T	190/380	50	3	12.0/6.0
S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
1.0	CONT	81.9	В		40 C
	0011	01.0	U	I	40.0
Amp	eres	Efficiency		Power Fa	ctor (%)
6	eres	Efficiency 86.9		64.	ictor (%) .8
6 5	eres	Efficiency 86.9 85.7		64. 56.	ctor (%) 8 5
6 5 4	eres	Efficiency 86.9		64.	ctor (%) 8 5 3
6 5 4 2	eres	Efficiency 86.9 85.7 82.0		64. 56. 44.	sctor (%) 8 5 3 6
6 5 4 2 3	eres	Efficiency 86.9 85.7 82.0		64. 56. 44. 38. 5.	ctor (%) .8 .5 .3 .6 7
6 5 4 2 3	eres	Efficiency 86.9 85.7 82.0		64. 56. 44. 38.	ctor (%) 8 5 3 6 7
6 5 4 2 3 3 3	eres	Efficiency 86.9 85.7 82.0		64. 56. 44. 38. 5.	ctor (%) 8 5 3 6 7 0
6 5 4 2 3	eres	Efficiency 86.9 85.7 82.0	(%)	64. 56. 44. 38. 5.	ctor (%) 8 5 3 6 7
6 5 4 2 3 3 3 7 7 0rqu	eres	Efficiency 86.9 85.7 82.0 78.0	(%)	64. 56. 44. 38. 5. 41.	ctor (%) 8 5 3 6 7 .0 Rotor wk

Safe Stall	Time(s)	Sound	Bearin	NG6*	Approx. Motor Weight
Cold	Hot	Pressure	Dealin	95	Approx. Motor Weight
Cold	100	dB(A) @ 1M	DE	NDE	(lbs)
35	15	-	6309ZZC3	6309ZZC3	

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

Full Load

(lb-ft)

21.7

Motor Options: Product Family:EQP Global SD Mounting:Footed,Shaft:T Shaft

Customer Customer PO Sales Order Project #

Tag:

All characteristics are average expected values.

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Engineering	aguerrettaz	Doc. Written By	D. Suarez	Doc.#/Rev	MPCF-1119 / 0
Engr. Date	4/4/2019	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011



HP

5

Enclosure

TEFC

Locked Rotor

Amps

34

250

200

Pole FL 8 8 Ins. Class S	Issued Dat Issued B O TORQUE/CURRI . RPM Frame 870 254T	y dschoeck ENT CURVE 		Transmit # Issued Rev	
PoleFL88Ins. ClassSF1Full Load (lb-ft)	O TORQUE/CURRI	ENT CURVE			
PoleFL88Ins. ClassSF1Full Load (lb-ft)1	. RPM Frame	Voltage	Hz		
8 8 Ins. Class S F 1 Full Load (lb-ft)			Hz		
8 8 Ins. Class S F 1 Full Load (lb-ft)				Phase	FL Amps
F 1 Full Load (Ib-ft)		230/460	60	3	15.0/7.5
Full Load (Ib-ft)	S.F. Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
(lb-ft)	1.15 CONT	86.5	В		40 C
(lb-ft)		Torque			
	Locked Rotor	Pull Up		Break I	
30.2	(%)	(%)		(%	
	175	160		21	5
				~	00
-					00 0
	•				Current (%)

Model: 0058SDSR41A-P

kW

3.7

IP

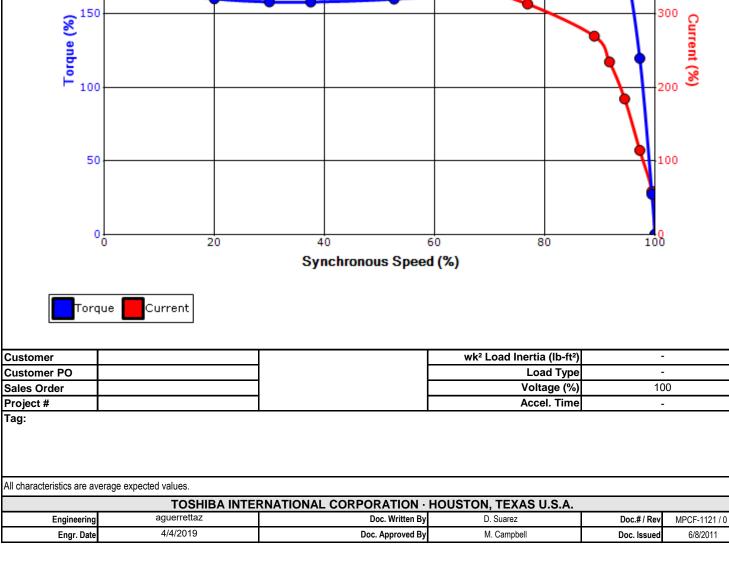
55

Rotor wk²

Inertia

(lb-ft²)

2.10





HP

3

Enclosure TEFC

Locked Rotor

Amps

31

300

240

(%) anbjog 120

60

Model: 0058SDSR41A-P

kW

2.2 IP

55

Rotor wk²

Inertia

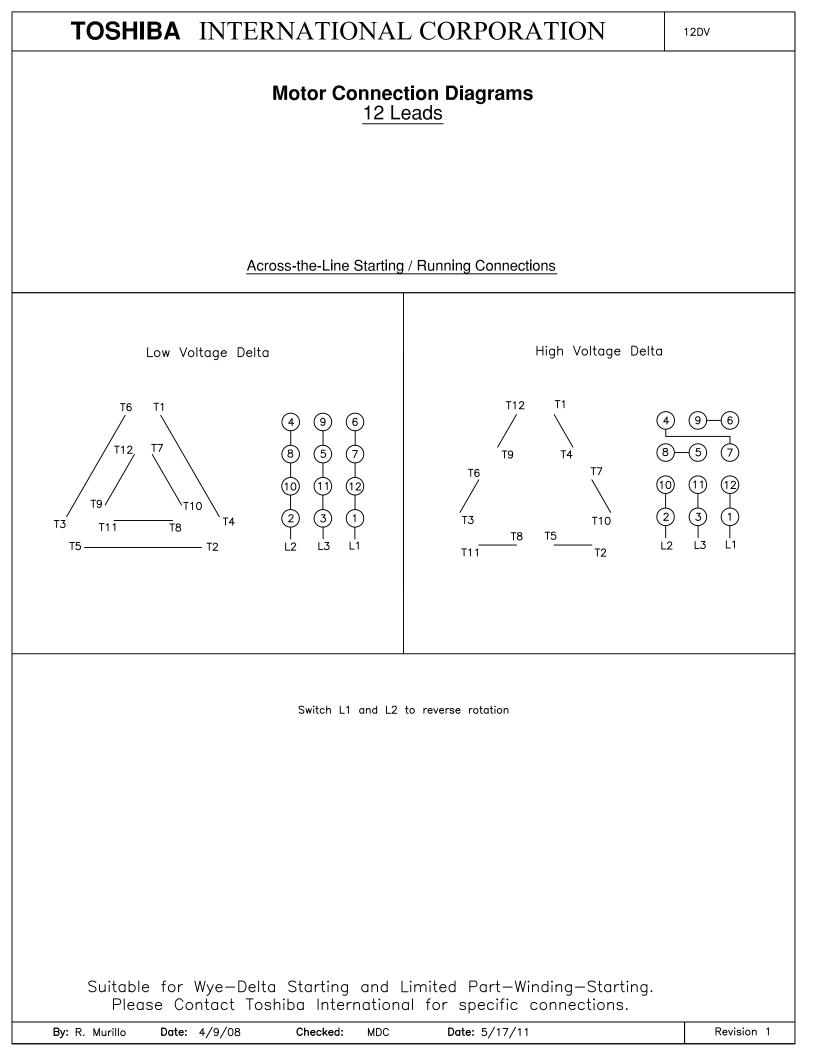
(lb-ft²)

2.10

		Issued Date	6/19/202	25	Transmit #	
		Issued By	dschoed	:k	Issued Rev	
S	PEED TORQ	UE/CURREN	IT CURVE			
Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
8	725	254T	190/380	50	3	12.0/6.0
Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
F	1.0	CONT	81.9	В		40 C
			Torque			
Full Load	Locked		Pull Up)	Break	
(lb-ft)	(%		(%)		(%	
21.7	22	5	210		26	65
	Des	sign Valu	es			00
	Des	sign Valu	es		•	00 80 Current (%)

0					
0	20	40	60	80	100
		Synchronou	ıs Speed (%)		
Torque	Current				
Customer			wk² l	_oad Inertia (Ib-ft ²)	-
Customer PO				Load Type	-
Sales Order				Voltage (%)	100
Project #				Accel. Time	-
Гад:					
All characteristics are average expe		NATIONAL CORPOR		ΤΕΥΛΩΙΙΟΛ	
1				, ILAS 0.3.A.	

TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.							
Engineering	aguerrettaz	Doc. Written By	D. Suarez	Doc.#/Rev	MPCF-1121 / 0		
Engr. Date	4/4/2019	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011		



				Issued Date:	6/19/2025		Transmit #:	
TOSHIBA				Issued By:	dschoeck		Issued Rev:	
	novation >>>	•	SPAR	E PARTS LIS	T*			
Model	: 0058SDSR41	A-P						
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
5	3.7	8	870	254T	230/460	60	3	15.0/7.5
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.15	CONT	86.5	В		40 C
Bearings DE	6309ZZC3 / 4	15BC03JPP3OX						
Bearings NDE	6309ZZC3 / 45BC03JPP3OX							

*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	verage expected values.						
TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.							
Engineering	aguerrettaz	Doc. Written By	D. Suarez	Doc.#/Rev	MPCF-1125 / 0		
Engr. Date	4/4/2019	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011		