

UNITS: INCHES		NOTES:	
ROTATION FROM NDE		1. MAIN CONDUIT BOX MAY BE ROTATED IN 90° INCR	REMENTS
		2. STANDARD PRODUCT USES BI-DIRECTIONAL FAN. OPPOSITE AVAILABLE ONLY BY CONNECTION CHANGE.	ROTATION
		3. KEY DIMENSIONS EQUAL 0.75x0.75x5.62	(MOTOR SUPPLIED WITH KEY)
TOSHIBA RESERVES THE RIGHT TO MAKE CHANGES OF TECHI	NICAL IMPROVEMENT AND THE DATA MAY CHANGE V	WITHOUT NOTICE	PRELIMINARY
DO NOT USE FOR CONSTRUCTION, INSTALLATION, OR APPLICAT	ION PURPOSES UNLESS THE DRAWING IS MARKED AS	SCERTIFIED	X CERTIFIED
	TOTALLY ENCLOSED FAN COOLED	DRAWING #: MDSLV001-08	
TOSHIBA FOR D.	HORIZONTAL FOOT MOUNT	REV. DATE: 05/25/21 REV. #: 4	PER.: J. HOCK
www.toshiba.com/tic	3 PHASE INDUCTION MOTOR	REV. DESCRIP.: REMOVED MOT2 FROM MO	ODEL
TOSHIBA INTERNATIONAL CORPORATION	404T/405T F1 ASSEMBLY		



TYPICAL MOTOR PERFORMANCE DATA

Issued Date

Issued By

6/19/2025

dschoeck

Transmit #

Issued Rev

100 75 4 1780 405T 230/460 60 3 226/11 Enclosure IP Ins. Class S.F. Duty NEMA Non. Eff. Design N/A Code Ambien (C) TEPC 55 F 1.15 CONT 95.4 B 40 C add 100.00 74.5 118 95.5 83.1 70.5 Load 100.00 74.5 118 95.5 83.1 70.5 Load 50.00 37.3 70 93.7 70.5 10.40 Load 25.00 18.6 44.3 30.0 46.2 10.ad Load 25.00 17.5 30.0 25.5 36.3 36.3 Mercel Refor Locked Rotor Pull Up Break Down Mertal (b-th) Quert Refor Sound Pessure Approx. Motor Weight Bearings* Approx. Motor Weight Quert Policians: To 6317C3 6313C3 55.5 <tr< th=""><th></th><th>kW</th><th>Pole</th><th>FL RPM</th><th>Frame</th><th>Valtara</th><th>Hz</th><th>Phase</th><th>FL Amps</th></tr<>		kW	Pole	FL RPM	Frame	Valtara	Hz	Phase	FL Amps
Enclosure IP Ins. Class S.F. Duty NEMA. NEMA. Design N/A Code Ambinistication TEFC 55 F 1.15 CONT 95.4 B 40 C oad HP KW Ampares Efficiency (%) Power Factor (%) olad 100.00 74.5 118 95.5 83.1 iLoad 75.00 55.9 9.2 95.1 79.5 iLoad 70.00 37.3 70 93.7 70.8 Load 25.00 18.6 44.3 9.0 3.7 olad Cole Rotor 789 36.3 49.2 olad Cole Rotor (% FLT) (% FLT) (% FLT) (U-tr) (% FLT) (% FLT) (% FLT) (% Her) 265 250 175 300 25.95 24 15 75 6317C3 6313C3 4000 24 15 75 6317C3 6313C3									236/118
TEPC 55 F 1.15 CONT 95.4 B 40 C act HP KW Amperes Efficiency (%) Power Factor (%) Load 175.00 55.9 92 95.1 79.5 Load 75.00 55.9 92 95.1 79.5 Load 25.00 18.8 53 89.0 49.2 Load 25.00 18.8 53 89.0 49.2 Load 25.00 18.8 78.9 3.7 70.8 Load Cold 44.3 3.7 70.8 3.7 Scked Rotor Pull Up Break Down (b-H) (b-H) (b-H) (b-H) 295 250 175 300 25.95 Safe Stall Time(s) Sound DE NDE (b-H) 24 15 75 6317C3 6313C3 49.2 earings are the only recommended spare part(s). earings** Approx. Motor Weight Sound Stattttttttttttttt	Enclosure		Ins. Class		Duty	NEMA		kVA Code	Ambient
Safe Stall Time(s) Sound (b-rt) Power Factor (%) (%) Power Factor (%) (%) Safe Stall Time(s) 75.00 55.9 92 93.1 79.5 Load 25.00 18.6 63.3 99.0 49.2 0 cload Cold Cold 64.43 3.7 70.0 19.7 check Rotor Torque Pull Up Break Down Network Network Network 10.44.3 296 250 175 300 25.95 25	TEEC	55	F	1 15	CONT				
UII Load 100.00 74.6 118 99.5 83.1 Load 75.00 55.9 92 96.1 77.6 Load 20.00 37.3 70 93.7 77.8 Load 25.00 18.8 53 89.0 449.2 Load 25.00 18.8 53 89.0 449.2 Load 25.00 18.8 78.9 35.3 35.3 cload Colod Colod 44.3 37.7 35.3 cload Locked Rotor 789 35.3 35.3 35.3 Torque Torque Rotor with Inertia (Ib-ft) (V/r FLT) (V/r FLT) (V/r FLT) (Ib-ft) (Ib-ft) <t< th=""><th></th><th></th><th><u> </u></th><th>1.10</th><th>CONT</th><th></th><th>U</th><th></th><th>40.0</th></t<>			<u> </u>	1.10	CONT		U		40.0
Load 75 00 55 9 92 95 1 77 6 Load 50 00 37 3 70 93 7 70 8 Load 25 00 18.6 63 89.0 49.2 o Load 25 00 18.6 63 89.0 49.2 o Load 25 0 789 35.3 37 ceked Rotor Torque Pull Up Break Down Inertia (Ib-tt) (% FLT) (% FLT) (% FLT) (% FLT) (Ib-tt) (% FLT) (% FLT) (% FLT) (% FLT) (Ib-tt) (% FLT) (% FLT) (% FLT) (% FLT) 205 250 175 300 25.95 Safe Stall Time(s) Sound Pressure 6317C3 6313C3 Approx. Motor Weight 24 15 75 6317C3 6313C3 5 5 searings are the only recommended spare part(s). Torque International spare	oad						/ (%)		
Load 50.00 37.3 70 93.7 70.8 Load 25.00 18.8 53 89.0 44.2 ocked Rotor 789 35.3 35.3 35.3 Full Load Locked Rotor Torque Retor W Retor W full Load Locked Rotor 789 35.3 35.3 Safe Stall Time(s) Sound (B-ft) Pull Up (% FLT) Break Down (% FLT) Retor W 205 250 175 300 25.95 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>									
Load 25.00 18.6 53 89.0 49.2 lo Load 3.7 35.3 37.3 35.3 cocked Rotor Torque Rotor w Rotor w Inertial 10.0 <th10.0< th=""> <th10.0< th=""> <th10.0< th=""></th10.0<></th10.0<></th10.0<>									
io Load 44.3 3.7 ocked Rotor 789 35.3 Torque Full Load Locked Rotor Pull Up Break Down (lb-ft) (% FLT) (% FLT) (% FLT) 295 250 175 300 25.95 Safe Stall Time(s) Pressure Bearings* Approx. Motor Weight Cold Hot 75 6317C3 6313C3 6313C3 Safe Stall Time(s) 24 15 75 6317C3 6313C3 6313C3 Safe Stall SD rotock Shaft T Shaft NDE Ibs Torque Journal Panily ECP Clobal SD rotock Shaft T Shaft Sustomer PO Listomer PO Idea Panily ECP Clobal SD rotock Shaft T Shaft Sustomer PO Journal Panily ECP Clobal SD rotock Shaft T Shaft Idea Panily ECP Clobal SD Journal Panily ECP Clobal SD rotock J Rev MCC T19 Journal Panily ECP Clobal SD rotock J Rev MCC T19 Journal Panily									
Safe Stall Time(s) Sound (% FLT) Full Up (% FLT) Break Down (% FLT) Rotor with Itertial (% FLT) 295 295 250 175 300 25.95 Safe Stall Time(s) Sound Pressure dB(A) @ 1M Bearings* Approx. Motor Weight (bs) 24 15 75 6317C3 6313C3 (bs) 3earings are the only recommended spare part(s). To fooduct Family EQP Global SD Wounting Footed ,Shaft T Shaft Note Weight (bs)		25.00	18.6			89.0			
Safe Stall Time(s) Sound (% FLT) Torque Rotor with Inertia (% FLT) Rotor with (% FLT) 295 250 175 300 25.95 Safe Stall Time(s) Sound Pressure dB(A) @ 1M Bearings* Approx. Motor Weight (bs) 24 15 75 6317C3 6313C3 (bs) 3earings are the only recommended spare part(s). Image: Color of the only recommended spare part(s). Image: Color of the only recommended spare part(s). Votion Family rECOP Global 3D Acounting Footed, Shaft T Shaft Vastomer PO Laston or PO Laston or PO Laston or Col TOSHIBA INTERNATIONAL CORPORATION - HOUSTON, TEXAS U.S.A. Engineering Doc.#/Rev MCC-11(9			-						
295 250 175 300 25.95 Safe Stall Time(s) Sound Pressure dB(A) @ tM DE NDE Approx. Motor Weight (lbs) 24 15 75 6317C3 6313C3 (lbs) 24 15 75 6317C3 6313C3 (lbs) bearings are the only recommended spare part(s). torduct Family/EOP Global SD Acounting: Footed, Shaft: T Shaft ustomer ustomer PO ales Order ales Order ToSHIBA INTERNATIONAL CORPORATION - HOUSTON, TEXAS U.S.A. TOSHIBA INTERNATIONAL CORPORATION - HOUSTON, TEXAS U.S.A. TOSHIBA INTERNATIONAL CORPORATION - HOUSTON, TEXAS U.S.A. Engineering Jordrigu Doc. Write By D. Sarez				Rotor	Pul	-			Rotor wk Inertia
Safe Stall Time(s) Sound Pressure dB(A) @ 1M Bearings* Approx. Motor Weight (bs) 24 15 75 6317C3 6313C3 Searings are the only recommended spare part(s). Motor Options: Product Family:EQP Global SD Acuuting, Footed, Shaft: T Shaft Sustomer PO lates Order Togict # International Corporation - HOUSTON, TEXAS U.S.A. TOSHIBA INTERNATIONAL CORPORATION - HOUSTON, TEXAS U.S.A. Engineering							(%		
Bearings are the only recommended spare part(s).			dB(A) @ 1M					dl)	s)
Customer PO	5	oon and op an	e part(s).						
Project # 'ag: Il characteristics are average expected values. Il characteristics are average expected values. TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A. Doc. Written By D. Suarez Doc.# / Rev MPCF-1119.	Motor Options: Product Family:EQI	P Global SD	e part(s).						
Il characteristics are average expected values. TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A. Doc. Written By D. Suarez Doc.# / Rev MPCF-1119.	Motor Options: Product Family:EQI	P Global SD							
Il characteristics are average expected values. TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A. Engineering Jrodrigu Doc. Written By D. Suarez Doc.# / Rev MPCF-1119.	Notor Options: Product Family:EQI Mounting:Footed,Si Mounting:Footed,Si Mounting:Tooted,Si	P Global SD	= part(s).						
TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A. Engineering Jrodrigu Doc. Written By D. Suarez Doc.# / Rev MPCF-1119.	Actor Options: Product Family:EQI Mounting:Footed,Si Mounting:Footed,S	P Global SD	s part(s).						
Engineering Jrodrigu Doc. Written By D. Suarez Doc.# / Rev MPCF-1119.	Actor Options: Product Family:EQI Mounting:Footed,Si Mounting:Footed,Si Customer Customer PO Sales Order Project # Tag:	P Global SD haft:T Shaft							
	Actor Options: Product Family:EQI Mounting:Footed,Si Mounting:Footed,Si Customer Customer PO Sales Order Project # Tag:	P Global SD haft:T Shaft	lues.						
Engr. Date 1/9/2025 Doc. Approved By M. Campbell Doc. Issued 6/8/2011	Aotor Options: Product Family:EQI Mounting:Footed,Si Mounting:Footed,Si Customer Customer PO Sales Order Project # Tag:	P Global SD haft:T Shaft	lues. TOSHIBA INTER	NATIONAL CO					



Model: 1004SDSR41A-P

kW

55

IP

55

ΗP

75.00

56.25

37.50

18.75

Pole

4

Ins. Class

F

kW

55.9

41.9

28.0

14.0

HP

75

Enclosure

TEFC

Load

Full Load

3/4 Load

1⁄₂ Load

1/4 Load No Load Locked Rotor

		Issued Date	6/19/20	25	Transmit #	
		Issued By	dschoeck		Issued Rev	
ΤΥΡΙ	ICAL MOTO	R PERFORM	ANCE DATA			
	FL RPM	Frame	Voltage	Hz	Phase	FL Amp
	1475	405T	190/380	50	3	214/107
ISS	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambien (°C)
	1.15	CONT	94.6	В		40 C
	Amp		Efficienc		Power Fa	
	10	-	94.4		84	
	8	-	93.9		80	
)	6	-	92.4		70	
	5		87.1		47	
	39	.3			3.	
	72				32	

Full Load Locked Rotor	Pull Up	Break Down	Inertia
			mortia
(lb-ft) (% FLT)	(% FLT)	(% FLT)	(lb-ft²)
267 225	170	310	25.95

Safe Stall	Time(s)	Sound	Bearin	NA6*	Approx. Motor Weight
Cold	Hot	Pressure	Dealin	95	Approx. Motor Weight
Cold	not	dB(A) @ 1M	DE	NDE	(lbs)
20	11	75	6317C3	6313C3	

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

Customer **Customer PO** Sales Order Project #

All characteristics are average expected values. TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A. Engineering bmammen Doc. Written By D. Suarez Doc.# / Rev MPCF-1119/0 10/31/2018 Engr. Date Doc. Approved By M. Campbell Doc. Issued 6/8/2011

Motor Options: Product Family:EQP Global SD

Mounting:Footed,Shaft:T Shaft

Tag:



HP

100

Enclosure

TEFC

Locked Rotor

Amps

789

				Issued Date	6/19/202	25	Transmit #	
				Issued Date Issued By	dschoed		I ransmit # Issued Rev	
	IBA			issueu by	4301060		ISSUEU KEV	
	1004SDSR41A-			UE/CURREN	T CURVE			
	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
	75	4	1780	405T	230/460	60	3	236/118
re	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
	55	F	1.15	CONT	95.4	В		40 C
	Rotor wk ²			• •	Torque	_		
otor	Inertia	Full Load	Locked	Rotor	Pull U	0	Break	Down
	(lb-ft ²)	(lb-ft)	(%		(%)	I.	(%	
	25.95	295	25		175		30	
e ²¹⁰								50 6
(%) anbio 140	1						3	Current (%)
70								50
70								50
0	0	20	40	6	0	80	108	
			Synchi	onous Speed	(%)			
	_	_						
Torq	jue Curre	nt						

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

Tag:

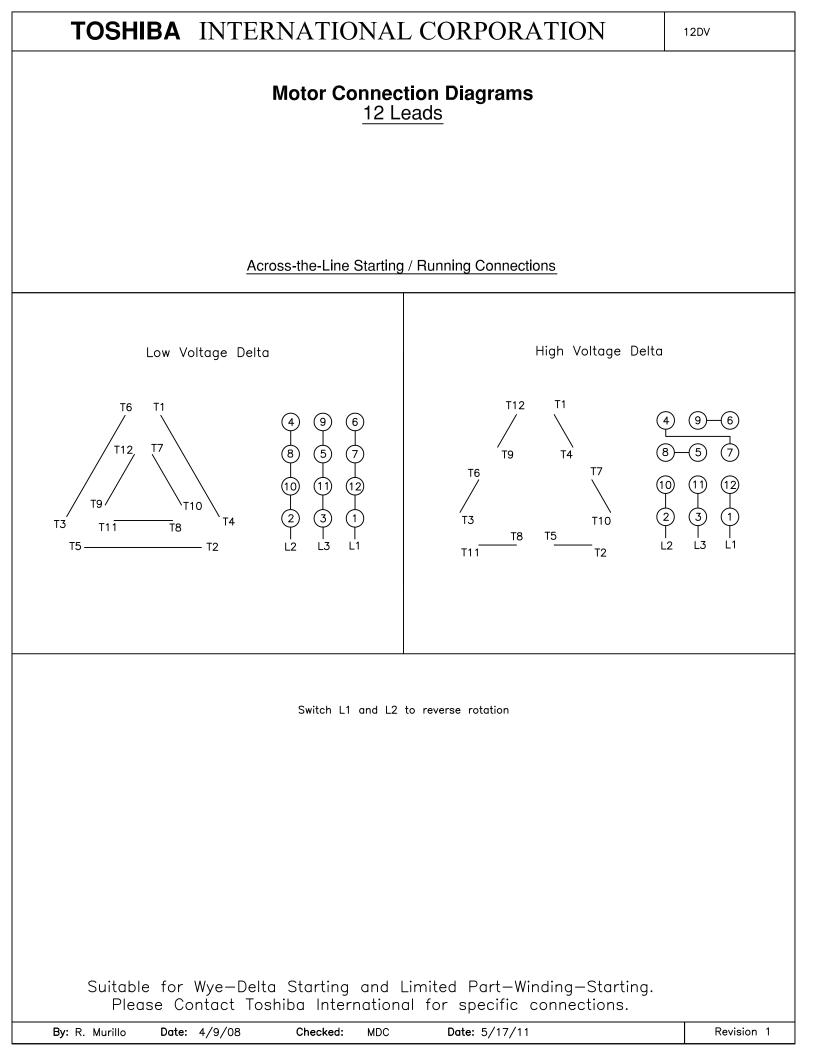
All characteristics are average expected values.

TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.						
Engineering	Jrodrigu	Doc. Written By	D. Suarez	Doc.#/Rev	MPCF-1121 / 0	
Engr. Date	1/9/2025	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011	



					6/19/202	25	T	
TOCH				Issued Date Issued By	dschoe		Transmit # Issued Rev	
TOSH				issued by	430106		133060 NEV	
Leading Inn	ovation >>>	6		UE/CURREN				
		3		UE/CURREN	ICORVE			
Model:	1004SDSR41A	·P						
HP 75	kW 55	Pole 4	FL RPM 1475	Frame 405T	Voltage 190/380	Hz 50	Phase 3	FL Amps 214/107
				4031	NEMA	NEMA		Ambient
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Design	kVA Code	(°C)
TEFC	55	F	1.15	CONT	94.6	В		40 C
Locked Rotor	Rotor wk ²			1	Torque			_
Amps	Inertia	Full Load	Locked		Pull U	ρ	Break	
722	(lb-ft ²) 25.95	(lb-ft) 267	(% 22		(%) 170		(% 3 ⁻	
122	20.00	201			110		0	
350 280 9 140 70 0		20	40 Synch	6 ronous Speed		80		 ¹⁵⁰ Current (%) ¹⁴⁰ (%) ⁷⁷⁰
								
	que C urre	inc inc						
Customer		[wk ² Load I	nertia (Ib-ft ²)		
Customer PO				Ē		Load Type		-
Sales Order						Voltage (%)	10	00
Project #						Accel. Time		
Tag:								
All characteristics are as	Arana avanatad valu	95						
All characteristics are av								

	TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.					
Engineering	bmammen	Doc. Written By	D. Suarez	Doc.#/Rev	MPCF-1121 / 0	
Engr. Date	10/31/2018	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011	



				Issued Date:	6/19/20	25	Transmit #:	
TOSH	IBA			Issued By:	dschoe	eck	Issued Rev:	
Leading Inno	ovation >>>	•	SPARE	E PARTS LIS	ST*			
Model:	1004SDSR41	A-P						
Model:	1004SDSR41	A-P Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
			FL RPM 1780	Frame 405T	Voltage 230/460	Hz 60	Phase 3	FL Amps 236/118
HP	kW	Pole						

Bearings DE	6317C3 / 85BC03J3OX
Bearings NDE	6313C3 / 65BC03J3OX

*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	rerage expected values.				
TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.					
Engineering	Jrodrigu	Doc. Written By	D. Suarez	Doc.#/Rev	MPCF-1125 / 0
Engr Date	1/9/2025	Doc. Approved By	M Campbell	Doc. Issued	6/8/2011