	TOSHIBA INTERNATIONAL CORPORATION TOSHIBA INTERNATIONAL CORPORATION TOSHIBA INTERNATIONAL CORPORATION	DO NOT USE FOR CONSTRUCTION, INSTALLATION, OR APPLICATION PURPOSES UNLESS	TOSHIBA RESERVES THE RIGHT TO MAKE CHANGES OF TECHNICAL IMPROVEMENT AND	PER: DATE:	MIUM EFFICIENCY Q	FRAME         MOUNTING         SHAFT         EXTENSION         KEY         SEAT         BEARINGS           SIZE         E         2F         H         BA         N-W         V         U         R         S         ES         LS         ROLLER         OS         4~61           S447T/S449T         9.00         20.00/25.00         0.82         7.50         8.50         8.25         3.375         2.880         0.875         6.91         NU322C3         6318C3	MOTOR DIMENSIONS         FRAME       MOTOR DIMENSIONS         SIZE       A       B       C       D       G       J       K       M       O       P       T       M[NPT]       AB         S447T/S449T       22.0       34.0       55.5       11.00       1.4       4.5       15.3       20.8       25.0       27.9       1.3       4.00       26.5	HOLES ARE
MDSL0171-60 R00	VISIT OUR WEBSITE AT: www.toshiba.com/ind	DRAWING IS MARKED AS CERTIFIED CERTIFIED	DATA MAY CHANGE WITHOUT NOTICE X PRELIMINARY		AG NO'S:: X STANDARD (NO AUX. BOXES) RTD AUX. BOX SPACE HEATER AUX. BOX BEARING RTD'S	6. STANDARD PRODUCT USE BI-DIRECTIONAL FAN. OPPOSITE ROTATION AVAILABLE ONLY WEIGHT 7. FRAME GROUND BOLT STANDARD 7. FRAME GROUND BOLT STANDARD	1. DIMENSION V REPRESENTS LENGTH         0.F. STRAGHT PART OF SHAFT         2. MAIN CONDUIT BOX MAY BE ROTATED         1. DIMENSION V REPRESENTS LENGTH         2. MAIN CONDUIT BOX MAY BE ROTATED         1. DIMENSIONS EQUAL S × S × 6.88         3. "T" KEY DIMENSIONS EQUAL S × S × 6.88         3. "T" KEY DIMENSIONS EQUAL S × S × 6.88         AF       XL         7.6       18.5         17.1       5. THIS DIMENSION EQUALS 2F FOR S447T         MOUNTING       MOUNTING	C M M SEE NOTE 5 B P NOTES: C M M N M N M N C C M C M M N M N C C C M C C M C C C M C C C C



Leading Innovation >>>

## TYPICAL MOTOR PERFORMANCE DATA

Issued Date

Issued By

7/23/2021

dschoeck

Transmit #

Issued Rev

	2504QDSB41A	\-R						
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
250	186	4	1785	S449T	460	60	3	295
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA	kVA Code	Ambient
TEFC	55	F	1.15	CONT	96.2	Design	Н	(° <b>C)</b> 40 C
IEFC	55		1.15	CONT	90.2	A	п	40 C
oad	HP	kW	Amp	eres	Efficiency	/ (%)	Power Fa	actor (%)
Full Load	250.00	186.4	29		95.4			3.1
4 Load	187.50	139.8	22	29	94.6		81	1.0
2 Load	125.00	93.2	16	68	92.7		75	5.1
4 Load	62.50	46.6	11	7	87.2		57	7.2
No Load			10	5.7			5	.5
_ocked Rotor			20					3.3
Full Lo (lb-ft 736	t)	(%	Torqu d Rotor FLT) 220	Pu (%	ull Up 5 FLT) 185		ak Down % FLT) 270	Rotor wk <sup>2</sup> Inertia (Ib-ft <sup>2</sup> ) 128.84
Cold Hot Pressure dB(A) @ 1M			DE NDE					
oolu	TIOL	dB(A) @ 1M	D	E	NDE		(Ib	os)
28	13	79.6	DI NU32		NDE 6318C		(Ib	os)
28 Bearings are the only re Motor Options: Product Family:Qua	13 ecommended spare	79.6					. (II:	os)
28 *Bearings are the only re Motor Options: Product Family:Qua Mounting:Footed,St Mounting:Footed,St	13 ecommended spare	79.6					. (	DS)
28 Bearings are the only re Motor Options: Product Family:Qua Mounting:Footed,Sh Mounting:Footed,Sh Customer Customer Customer PO Sales Order Project #	13 ecommended spare	79.6					. (	95)
28 Bearings are the only re Motor Options: Product Family:Qua Mounting:Footed,Sh Mounting:Footed,Sh Customer Customer Customer PO Sales Order Project #	13 ecommended spare	79.6					. (  :	DS)
28 Bearings are the only re Motor Options: Product Family:Qua Mounting:Footed,Sh Mounting:Footed,Sh Customer Customer PO Sales Order Project # Fag:	13 ecommended spare	79.6 e part(s).	NU32	22C3	6318C	3	. (	DS)
28 Bearings are the only re Motor Options: Product Family:Qua Mounting:Footed,Sh Mounting:Footed,Sh Customer Customer PO Sales Order Project # Fag:	13 ecommended spare	79.6 e part(s). ues. TOSHIBA INTEF	NU32		6318C	3 		
28 'Bearings are the only re <b>Motor Options:</b> Product Family:Qua Mounting:Footed,Sh Customer Customer Customer PO	13 ecommended spare arry haft:T Shaft erage expected val	79.6 e part(s).	NU32	22C3	6318C	3 	(	DS)



HP

250

Enclosure TEFC

Locked Rotor

Amps

2071

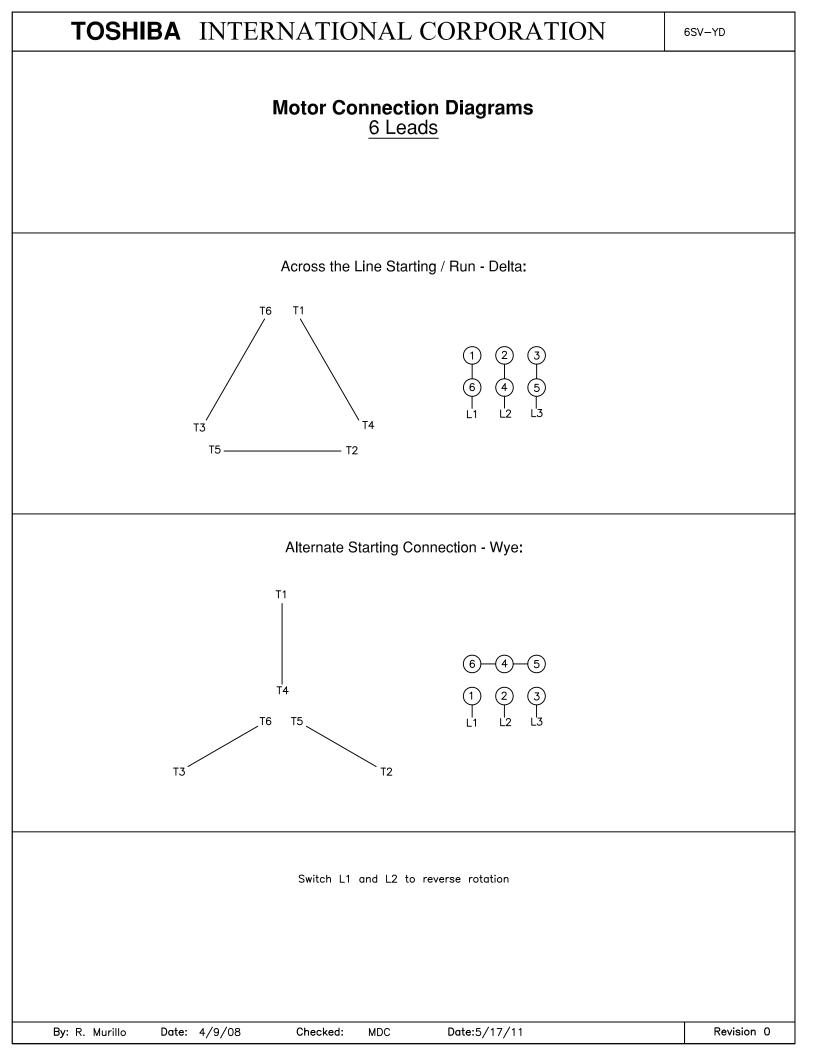
				Issued Date	7/23/20	21	Transmit #	
5 H I	BA			Issued By	dschoe	ck	Issued Rev	
Inno	2504QDSB41A		PEED TORQ	UE/CURREN <sup>.</sup>	T CURVE			
	<b>kW</b> 186	Pole 4	FL RPM 1785	Frame S449T	Voltage 460	<b>Hz</b> 60	Phase 3	FL Amps 295
	100	4	1765	34491	NEMA	NEMA	-	Ambient
e	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Design	kVA Code	(°C)
	55	F	1.15	CONT	96.2	A	Н	40 C
or	Rotor wk <sup>2</sup>				Torque			
	Inertia	Full Load	Locked		Pull U	р	Break I	
	(lb-ft²) 128.84	(lb-ft) 736	<b>(%</b> 22		<b>(%)</b> 185		<b>(%</b> 27	
	120.04	730		0	105		21	0
280			• •	•				<sup>40</sup> Current (%) <sub>20</sub>
70								60
140		20	40	6	0	80	100	60
70		20		6 ronous Speed		80		60
70	0 0					80		60
70 70	0 0				(%)	nertia (Ib-ft²)	108	60
70 <sup>-</sup>	0 0				(%)		108	60

Tag:

Customer Customer PO Sales Order Project #

All characteristics are average expected values.

TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.								
Engineering	SSuryani	Doc. Written By	D. Suarez	Doc.#/Rev	MPCF-1121 / 0			
Engr. Date	7/22/2021	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011			



тозн	IBA			Issued Date: Issued By:			Transmit #: Issued Rev:	÷
Leading Inr	2504QDSB41A-	-R	SPARI	E PARTS LIS	\$T*			
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	Ī
250	186	4	1785	S449T	460	60	3	ľ

250	186	4	1/85	S4491	460	60	3	295
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.15	CONT	96.2	А	Н	40 C
Bearings DE	NU322C3 / 110	RU03M3OX						
Bearings NDE	6318C3 / 90BC	:03J3OX						

FL Amps

\*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	All characteristics are average expected values.									
TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.										
Engineering	SSuryani	Doc. Written By	D. Suarez	Doc.#/Rev	MPCF-1125 / 0					
Engr. Date	7/22/2021	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011					