

	OFFIC	E USE ONLY
CERTIFICATION PREAPPROVAL (OSP)	APPLICATION #:	OSP – 0415
OSHPD Special Seismic Certification Preapproval (OSP)		
Type: 🗌 New 🛛 Renewal		
Manufacturer Information		
Manufacturer: <b>Toshiba International Corporation</b>		
Manufacturer's Technical Representative: Jhonny Cardenas		
Mailing Address: 13131 West Little York Rd., Houston, Texas 77041		
Telephone: 713-466-0277 Ext.3618	RIVE.SEISMICS@TIC.1	TOSHIBA.COM
Product Information	MA	
Product Name: YORK OptiSpeed Drives; Toshiba T300MVi Drives	s & 7	
Product Type: Medium Voltage Adjustable Speed Drives 0415	R	
Product Model Number:       See Attachment 1, Table 1         (List all unique product identification numbers and/or part numbers)       Operation         General Description:       Medium Voltage Adjustable Speed Drives for enhancements made to the test units and modifications required to a shall be incorporated into the production units.	nd the control of AC induct ddress the anomalies o	ion motors. Seismic bserved during the tests
Mounting Description: Rigid Base mount.	616	
	N.	
Applicant Information	2012	
Applicant Company Name: EASE		
Contact Person: Jonathan Roberson, S.E.		
Mailing Address: _ 5877 Pine Ave, Suite 210, Chino Hills, CA. 91709		
Telephone: (909) 606-7622 Email: j.rober	son@easeco.com	
I hereby agree to reimburse the Office of Statewide Health I accordance with the California Administrative Code, 2016. Signature of Applicant:	Planning and Devel	opment review fees in e: <u>7/2/2019</u>
Title: Principal Structural Engineer Company Name: EASE		
"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"	All All Ann	OSHPD
STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY OSH-FD-759 (REV 12/16/15)	<b>ANKIANA</b>	Page 1 of 3



California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)
Company Name: EASE
Name: _Jonathan Roberson, S.E. California License Number: _S4197
Mailing Address: _ 5877 Pine Ave, Suite 210, Chino Hills, CA. 91709
Telephone: (909) 606-7622 Email: j.roberson@easeco.com
Supports and Attachments Preapproval
<ul> <li>Supports and attachments are preapproved under OPM- (Separate application for OSHPD Preapproval of Manufacturer's Certification (OPM) of Supports and attachments is required)</li> <li>Supports and attachments are not preapproved RCODE CODE</li> </ul>
Certification Method
<ul> <li>☑ Testing in accordance with:</li> <li>☑ Other (Please Specify):</li> <li>☑ OSP-0415</li> </ul>
BY:Timothy J Piland
Testing Laboratory DATE: 08/18/2021
Company Name: Environmental Testing Laboratory, Inc.
Contact Name: Brady Richard
Mailing Address: 11034 Indian Trail, Dallas, TX. 75229-3513
Telephone: (972) 247-9657 Email: brady@etIdallas.com



Page 2 of 3

OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

Design in accordance with ASCE 7-10 Chapter 13: Xes No
Design Basis of Equipment or Components $(F_p/W_p) = 1.17 (z/n = 1); 1.13 (z/n = 0);$
$S_{DS}$ (Design spectral response acceleration at short period, g) = <b>1.56</b> (z/h = 1); 2.50 (z/h = 0)
$a_p$ (In-structure equipment or component amplification factor) = $2\frac{1}{2}$
$R_p$ (Equipment or component response modification factor) = <b>6</b>
$\Omega_0$ (System overstrength factor) =
$I_p$ (Importance factor) = 1.5
z/h (Height factor ratio) = <u>1 (S<sub>DS</sub> = 1.56); 0 (S<sub>DS</sub> = 2.50)</u>
Equipment or Component Natural Frequencies (Hz) = <u>See Attachment 2</u>
Overall dimensions and weight (or range thereof) = See Attachment 1, Table 1
Equipment or Components @ grade designed in accordance with ASCE 7-10 Chapter 15: 🗌 Yes 🛛 No
Design Basis of Equipment or Components (V/W) =
S <sub>DS</sub> (Design spectral response acceleration at short period, g) =
S <sub>D1</sub> (Design spectral response acceleration at 1 second period, g) =
R (Response modification coefficient) =
$\Omega_0$ (System overstrength factor) = $R_V$ . Timothy, I Piland
C₄ (Deflection amplification factor) =
$I_p$ (Importance factor) = 1.5
Height to Center of Gravity above base =
Equipment or Component Natural Frequencies (Hz) =
Overall dimensions and weight (or range thereof) =
Tank(s) designed in accordance with ASME BPVC, 2015: 🔲 Yes 🛛 No
List of Attachments Supporting Special Seismic Certification
Test Report(s) Drawings Calculations Manufacturer's Catalog
Other(s) (Please Specify): Attachments 1 & 2
OSHED Approval (For Office Use Oply) Approval Expires on December 31, 2025
Com D'Approval (1 of Office Ose Office) - Approval Expires on December 31, 2023
Signature: Date: August 18, 2021
Print Name: Timothy J. Piland Title: SSE
Special Seismic Certification Valid Up to: S <sub>DS</sub> (g) = See Above z/h = See Above
Condition of Approval (if applicable):
"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"
STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY OSH-FD-759 (REV 12/16/15) Page 3 of 3



#### TABLE 1:

Manufacturer	TOSHIBA INTERNATIONAL COF	RPORATION						
Product Line	YORK Optispeed Medium Voltag Toshiba T300MVi Medium Volta Toshiba T300MV2 Medium Volta	ge Adjustable Speed Dr ge Adjustable Speed Dr ge Adjustable Speed D	ives rives prives					
			DIM	ENSIONS	(IN.)	APPROX.		
COMPONEN	r	MODEL NO.	w	D	H	WT. (LB.)	MOUNT	BASIS [1]
YORK, OptiS	peed 4160V,1000HP, YK OIL PUMP	TX-024-39341-313	122.0	43.4	103.7	9,200	Rigid Base	INT
YORK, OptiS	peed 4160V,1000HP, YK OIL, OSHPD	024-41456-313, MVVSD10002K-84 SI	122.0	43.4	103.7	9,200	Rigid Base	INT
YORK, OptiS	peed 4160V,1250HP, YK OIL PUMP	TX-024-39341-314	122.0	43.4	103.7	10,400	Rigid Base	INT
YORK, OptiS	beed 4160V,1250HP, YK OIL, OSHPD	024-41456-314, MVVSD12502K-84 SI	122.0	43.4	103.7	10,400	Rigid Base	INT
YORK, OptiS	peed 4160V,1500HP, YK OIL PUMP	TX-024-39341-315	122.0	43.4	103.7	11,200	Rigid Base	INT
YORK, OptiS	beed 4160V,1500HP, YK OIL, OSHPD	024-41456-315, MVVSD15002K-84 SI	122.0	43.4	103.7	11,200	Rigid Base	INT
YORK, OptiS	beed 4160V,1750HP, YK OIL PUMP	TX-024-39341-316	122.0	43.4	103.7	12,100	Rigid Base	INT
YORK, OptiS	beed 4160V,1750HP, YK OIL, OSHPD	024-41456-316, MVVSD17502K-84 SI	122.0	43.4	103.7	12,100	Rigid Base	INT
YORK, OptiS	peed 4160V,2000HP, YK OIL PUMP	TX-024-39341-317	122.0	43.4	103.7	12,700	Rigid Base	UUT-1
YORK, OptiS	beed 4160V,2000HP, YK OIL, OSHPD	024-41456-317, MVVSD20002K-84 SI	5122.0	43.4	103.7	12,700	Rigid Base	INT
Taskika Tooo				10.1	100 7	0.000	Divid Dates	
Toshiba T300	MVI,4160V,1000HP,124A,INT	BV M3A441005AA5	122.0	43.4	103.7	9,000	Rigid Base	
Toshiba T300	MVI,4160V,1250HP,155A,INT	M3A44125SAAS	122.0	43.4	103.7	11,200	Rigid Base	
Toshiba T300	MVI,4160V,1300HP,188A,INT	M3A44150SAAS	122.0	43.4	103.7	11,000	Rigid Base	
Toshiba T300	MVi 4160V 2000HP 248A INT	M3A44200SAAS	122.0	43.4	103.7	12 500	Rigid Base	INT
Toshiba T300	MVi 4160V 1000HP 124A FXT	M3A44100SABS	122.0	43.4	103.7	8,900	Rigid Base	INT
Toshiba T300	MVi,4160V,1250HP,155A.EXT	M3A44125SABS	122.0	43.4	103.7	10.100	Rigid Base	INT
Toshiba T300	MVi.4160V.1500HP.186A.EXT	M3A44150SABS	122.0	43.4	103.7	10,900	Rigid Base	INT
Toshiba T300	MVi,4160V,1750HP,217A,EXT	M3A44175SABS	122.0	43.4	103.7	11,800	Rigid Base	INT
Toshiba T300	MVi,4160V,2000HP,248A,EXT	M3A44200SABS	122.0	43.4	103.7	12,400	Rigid Base	INT
Toshiba T300	MVi,4160V,2250HP,279A,INT	M3A44225SAAS	164.0	49.5	103.7	15,700	Rigid Base	INT
Toshiba T300	MVi,4160V,2500HP,310A,INT	M3A44250SAAS	164.0	49.5	103.7	16,500	Rigid Base	INT
Toshiba T300	MVi,4160V,2250HP,279A,EXT	M3A44225SABS	164.0	49.5	103.7	15,600	Rigid Base	INT
Toshiba T300	MVi,4160V,2500HP,310A,EXT	M3A44250SABS	164.0	49.5	103.7	16,400	Rigid Base	INT
Toshiba T300 OSHPD	MV2,Fr1,4160V,1000HP,124A,INT,	M41AN44100AAA0S	122.0	43.4	103.7	9,000	Rigid Base	INT
Toshiba T300 OSHPD	MV2,Fr1,4160V,1250HP,155A,INT,	M41AN44125AAA0S	122.0	43.4	103.7	10,200	Rigid Base	INT
Toshiba T300 OSHPD	MV2,Fr1,4160V,1500HP,186A,INT,	M41AN44150AAA0S	122.0	43.4	103.7	11,000	Rigid Base	INT
Toshiba T300 OSHPD	MV2,Fr1,4160V,1750HP,217A,INT,	M41AN44175AAA0S	122.0	43.4	103.7	11,900	Rigid Base	INT
Toshiba T300 OSHPD	MV2, Fr1, 4160V, 2000HP, 248A, INT,	M41AN44200AAA0S	122.0	43.4	103.7	12,500	Rigid Base	INT
Toshiba T300 OSHPD	MV2,Fr1,4160V,1000HP,124A,EXT,	M41AN44100BAA0S	122.0	43.4	103.7	8,900	Rigid Base	INT
Toshiba T300 OSHPD	MV2,Fr1,4160V,1250HP,155A,EXT,	M41AN44125BAA0S	122.0	43.4	103.7	10,100	Rigid Base	INT

Table continues next page



TOSHIBA

#### TABLE 1:

Manufacturer	TOSHIBA INTERNATIONAL COF	PORATION						-
Product Line	YORK Optispeed Medium Voltag Toshiba T300MVi Medium Voltag Toshiba T300MV2 Medium Volta	je Adjustable Speed Dr ge Adjustable Speed Dr ge Adjustable Speed D	ives rives )rives					
		·,	DIM	ENSIONS	(IN.)	APPROX.		
COMPONEN	Г	MODEL NO.	W	D	Н	WT. (LB.)	MOUNT	BASIS <sup>[1]</sup>
Toshiba T300 OSHPD	MV2,Fr1,4160V,1500HP,186A,EXT,	M41AN44150BAA0S	122.0	43.4	103.7	10,900	Rigid Base	INT
Toshiba T300 OSHPD	MV2,Fr1,4160V,1750HP,217A,EXT,	M41AN44175BAA0S	122.0	43.4	103.7	11,800	Rigid Base	INT
Toshiba T300 OSHPD	MV2,Fr1,4160V,2000HP,248A,EXT,	M41AN44200BAA0S	122.0	43.4	103.7	12,400	Rigid Base	INT
Toshiba T300 OSHPD	/MV2,Fr2,4160V,2250HP,279A,INT,	M42AN44225AAA0S	164.0	49.5	103.7	15,700	Rigid Base	INT
Toshiba T300 OSHPD	/MV2,Fr2,4160V,2500HP,310A,INT,	M42AN44250AAA0S	164.0	49.5	103.7	16,500	Rigid Base	INT
Toshiba T300 OSHPD	/MV2,Fr2,4160V,2250HP,279A,EXT,	M42AN44225BAA0S	164.0	49.5	103.7	15,600	Rigid Base	INT
Toshiba T300 OSHPD	MV2,Fr2,4160V,2500HP,310A,EXT,	M42AN44250BAA0S	164.0	49.5	103.7	16,400	Rigid Base	INT
		OSP-041	5		í.			
YORK, OptiS	peed 4160V,2250HP, YK OIL PUMP	TX-024-39341-318	164.0	49.5	103.7	15,900	Rigid Base	INT
YORK, OptiS	peed 4160V,2250HP, YK OIL, OSHPD	024-41456-318, MVVSD22502K-84 SI	164.0	49.5	103.7	15,900	Rigid Base	INT
YORK, OptiS	peed 4160V,2500HP, YK <mark>OIL, O</mark> SHPD	024-41456-319, MVVSD25002K-84 SI	164.0	49.5	103.7	16,700	Rigid Base	INT
YORK, OptiS	peed 4160V,2250HP, YK OIL, OSHPD	DATX-024-39341-31920	2164.0	49.5	103.7	16,700	Rigid Base	UUT-2
Mounting	RIGID BASE (FLOOR): a free-standin lateral support above the base.	g, base mounted condition	with the c	component	rigidly att	ached to a s	upporting struc	ture and no
Enclosure	Powder coated carbon steel. NEMA 1	Ventilated, & IP20 Per IEC-	-60529; Ga	asket & Fil <sup>1</sup>	ter; Free-S	Standing; From	nt-Access Only	
Notes	<ol> <li>BASIS:         <ul> <li>UUT#: Indicates that a test sp</li> <li>INT (Interpolate/Extrapolate): established through evaluatio</li> </ul> </li> <li>Special Seismic Certification is li</li> </ol>	pecimen matching these cha indicates a model that was on of testing of other, similar mited to subcomponents lis	nacteristic not specifi models in ted in Tab	s was teste ically teste the produ le 2 and th	ed as part d, and by ct line. lose meeti	of this testing which seismi	g program. c certification is s of CBC §170!	; 5A.13.3.1.



ATTACHMENT PAGE | 3 OF 4

TOSHIBA

#### TABLE 2: SEISMICALLY CERTIFIED SUBCOMPONENTS

SUBCOMPONENT	DESCRIPTION/RATING	MANUFACTURER	MODEL/PART NO.	BASIS
Primary Fuses	FUSE E/200E 5.5KV 12D	Mersen	PC16101P663	INT
	FUSE E/250E 5.5KV 12DD	Mersen	PC16101P671	INT
	FUSE E/300E 5.5KV 12DD	Mersen	PC16101P672	INT
	FUSE E/350E 5.5KV 12DD	Mersen	PC16101P673	UUT-1
	FUSE E/400E 5.5KV 12DD	Mersen	PC16101P674	UUT-2
Input Controller	ASSY, INPUT CONTROLLER, 7.2kV, 360A	Toshiba Int'l Corp	GCI6721G100SE-YRK	UUT-1
	ASSY, INPUT CONTROLLER, 7.2kV, 360A	Toshiba Int'l Corp	GCI6721G100SE	SAME
	ASSY, INPUT CONTROLLER, 7.2kV, 360A	Toshiba Int'l Corp	GCI6722G100SEYRK	SAME
	ASSY, INPUT CONTROLLER, 7.2kV, 360A	Toshiba Int'l Corp	GCI6722G100SE	UUT-2
	FORCODEC	011		
Precharge Contactor	VACUUM CONTACTOR 7.2 KV, 400A	Toshiba Int'l Corp	HCV-5HA	UUT-1 UUT-2
	SHPD	N.Y.		
	4	16		
Precharge Reactor	PRE-CHARGE REACTOR,4160V,1695kVAP-0415	Neeltran	PC34740P001	UUT-1
	PRE-CHRGE REACTR,4160V,2119kVA	Neeltran	PC34740P002	UUT-2
	BY:Timothy J Pila	and 🕅 👝		
Primary Transformer	XFMR,24 Pulse,4160V,1000HP, W/AUX, F1 SEISMIC	Hammond	PC32741P100S	INT
	XFMR,24 Pulse,4160V,1250HP, W/AUX SEISMIC	Hammond	PC32741P125S	INT
	XFMR,24 Pulse,4160V,1500HP, W/AUX SEISMIC	Hammond	PC32741P150S	INT
	XFMR,24 Pulse,4160V,1750HP, W/AUX SEISMIC	Hammond	PC32741P175S	INT
	XFMR,24 Pulse,4160V,2000HP, W/AUX SEISMIC	Hammond	PC32741P200S	UUT-1
	XFMR,24 Pulse,4160V,1000HP, F1 SEISMIC	Hammond	PC32740P100S	INT
	XFMR,24 Pulse,4160V,1250HP SEISMIC	Hammond	PC32740P125S	INT
	XFMR,24 Pulse,4160V,1500HP SEISMIC	Hammond	PC32740P150S	INT
	XFMR,24 Pulse,4160V,1750HP SEISMIC	Hammond	PC32740P175S	INT
	XFMR,24 Pulse,4160V,2000HP SEISMIC	Hammond	PC32740P200S	INT
	XFMR,24 Pulse,4160V,2250HP,W/AUX SEISMIC	Hammond	PC32741P225S	INT
	XFMR,24 Pulse,4160V,2500HP,W/AUX SEISMIC	Hammond	PC32741P250S	UUT-2
	XFMR,24 Pulse,4160V,2250HP SEISMIC	Hammond	PC32740P225S	INT
	XFMR,24 Pulse,4160V,2500HP SEISMIC	Hammond	PC32740P250S	INT
Rectifier Assembly	ASSY,RECTIFIERS W/ 200A FUSE PC15373P201	Toshiba Int'l Corp	GCI6721G060	INT
	ASSY, RECTIFIERS W/ 250A FUSE PC15373P250	Toshiba Int'l Corp	GCI6721G060	UUT-1
	ASSY,RECTIFIERS	Toshiba Int'l Corp	GCI6722G060	UUT-2
Power Module	ASSY,POWER MODULES,2000HP,4.16kV,BF,248A	Toshiba Int'l Corp	GCI6721G050BSE	UUT-1
	ASSY,Power Module,372A,4.16kV,HD	Toshiba Int'l Corp	GCI6722G050A	UUT-2
Fan Assembly	ASSY,FAN,SINGLE,3700CFM	Toshiba Int'l Corp	GCI6721G195-YRK	SAME



ATTACHMENT PAGE | 4 OF 4

TOSHIBA

#### TABLE 2: SEISMICALLY CERTIFIED SUBCOMPONENTS

SUBCOMPONENT	DESCRIPTION/RATING	MANUFACTURER	MODEL/PART NO.	BASIS
	ASSY,FAN,SINGLE,3700CFM	Toshiba Int'l Corp	GCI6721G195	UUT-1
	ASSY,FAN,3700CFM,SINGLE	Toshiba Int'l Corp	GCI6722G190	SAME
	ASSY,FAN,3700CFM,SINGLE	Toshiba Int'l Corp	GCI6722G190-YRK	UUT-2
Low Voltage Component Assembly	PWB/CNN/CTR,T300MVi	Toshiba Int'l Corp	GCI6721G280I-YRK	UUT-1
	PWB/CNN/CTR,T300MVi	Toshiba Int'l Corp	GCI6721G280I	INT
	PWB/CNN/CTR,YORK,2400,4.16k	Toshiba Int'l Corp	GCI6722G280I	INT
	PWB/CNN/CTR,YORK,MV2,4.16k	Toshiba Int'l Corp	GCI6721G280E-YRK	INT
	PWB/CNN/CTR,T300MV2,FR1,4.16k	Toshiba Int'l Corp	GCI6721G280E	INT
	PWB/CNN/CTR,T300MV2,FR2,4.16kV	Toshiba Int'l Corp	GCI6722G280E	INT
	PWB/CNN/CTR,YORK,MV2,4.16k OR CODE C	Toshiba Int'l Corp	GCI6722G280E-YRK	INT
	PWB/CNN/CTR,YORK,2400,4.16k	Toshiba Int'l Corp	GCI6722G280I-YRK	UUT-2
	CAL OCHOD			
Output Reactor	ACL,4160V,260/195A,0.1mH,300MV	Hitran	PC34741P101	UUT-1
	ACL,4160V,380A,0.10mH,T300MV	Hitran	PC34741P102	UUT-2
York CPT	CPT 4160:460/115 3/2KVA 5K' YK	Hitran	PC33260P103	UUT-1
	CPT 4160:460/115 3/2KVA 5K' YK	Hitran	PC33260P103	UUT-2
	0.00/10/202			
York CPT Fuses	FU E/3E 4.8KV 5.63 DATE: U0/10/202	Mersen	PC16109P903	UUT-1
	FU E/3E 4.8KV 5.63	Mersen	PC16109P903	UUT-2
		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		
Notes	<ol> <li>BASIS:         <ul> <li>UUT#: Indicates that a test specimen matching the</li> <li>INT (Interpolate/Extrapolate): indicates a model th established through evaluation of testing of other,</li> </ul> </li> <li>Special Seismic Certification is limited to identified su the components defined in Table 1.</li> </ol>	ese characteristics was at was not specifically tr similar models in the pr bcomponents when inst	tested as part of this testing ested, and by which seismic oduct line alled as part of a complete a	program. certification is



## EASE EQUIPMENT ANCHORAGE

# TOSHIBA

ATTACHMENT PAGE | 1 OF 1

## ATTACHMENT 2: TEST SPECIMEN SUMMARY

001	YORK OPTISPEED 2	000HP MEDIU	M VOL	TAGE [	DRIVE					
MANUFACTURER:	Toshiba International	Corporation								
IDENTIFICATION:	Model No.: MVVSD20	00RK-84					Y			
DESCRIPTION:	<ul> <li>2000 HP, 4160 V, Fra YORK OptiSpeed inte software. See Attachn Optional features press</li> <li>1. Seismic Configurati</li> <li>2. Interface, monitorin the Toshiba T300M Modifications to UUT of 1. Plastic cable ties are Control Section.</li> <li>2. Torque on vertical t support beam incress</li> <li>3. Plastic wire ties are fuses.</li> </ul>	me 1 Adjustabl rface, monitorin nent 1, Table 2. sent in UUT: ion Option. Ig devices and IVi brand produ made at Lab: dded around DI tie rods securin ase from 80 ft- bund FRP isolat	e Speed ng devic control uct line. IN rail n g Prima lb to 10 tion shie	d Drive ces and software nounted ary Tran 0 ft-lb. elds at p	control e unique to relay in sformers to primary		OptiSpr			
MOUNTING:	Rigid Base mount usir washers.	ng (11) – 5/8" d	ia. hex	head G	r.8 bolts w/			in . 12	1.0	
PROPERTIES:		ED.				Mp.				
	DIMENSIONS (in.)	N		CI		LOWE	EST RESONAN	NT FREQUE	NCY (H	Hz.)
Width	Depth	Height	U	D We	ight (lb.)	Side-Axis	From	nt-Axis	Ver	rtical-Axis
122	43	4 104		on 1	2,700	3.8		2.1		6.2
SHAKE TABLE TEST P	ARAMETERS	- / /	0	58-4	0415	///\\ <b>```</b>		<u>•</u>		
CODE	TEST CRITERIA	SDS	Z	/h	Ip	AFLX-H	ARIG-H	AFLX-\	/	ARIG-V
CBC 2016	ICC-ES AC15 <mark>6</mark>	1.56 <mark>BY:</mark> 2.00	Fime	othy	J Pilai	10 2.50 2.50	1.87 1.00	1.05 1.68		0.42 0.68
Unit maintained st	weather all instances its a second from									
	ructural integrity and fur	actionality after	the ICC	-ES AC	C 156 test					
		Ctionality after	the ICC	C-ES AC	2156 test		-			
	YORK OPTISPEED 2	500HP MEDIU	the ICC M VOL	C-ES AC	DRIVE					
UUT- 2 MANUFACTURER:	YORK OPTISPEED 2 Toshiba International	500HP MEDIU	the ICC	TAGE I	DRIVE					L
UUT- 2 MANUFACTURER: IDENTIFICATION:	YORK OPTISPEED 2 Toshiba International Model No.: MVVSD25	500HP MEDIU Corporation 00RK-84	M VOL	TAGE I	DRIVE				-	
UUT- 2 MANUFACTURER: IDENTIFICATION: DESCRIPTION:	YORK OPTISPEED 2 Toshiba International Model No.: MVVSD25 2500 HP, 4160 V, Fra YORK OptiSpeed inte software. See Attachm Optional features pres • Seismic Configurat • Interface, monitorin the Toshiba T300M Modifications to UUT I Plastic cable ties adde Control Section.	500HP MEDIU Corporation 00RK-84 me 2 Adjustabl rface, monitorin nent 1, Table 2. sent in UUT: ion Option. g devices and IVi brand produ made at Lab: ed around DIN	the ICC M VOL	c-ES AC TAGE I d Drive ces and UIL software unted re	control DING e unique to lay in		K OptiSpeed			
UUT- 2 MANUFACTURER: IDENTIFICATION: DESCRIPTION: MOUNTING:	YORK OPTISPEED 2 Toshiba International Model No.: MVVSD25 2500 HP, 4160 V, Fra YORK OptiSpeed inte software. See Attachm Optional features pres • Seismic Configurat • Interface, monitorin the Toshiba T300M Modifications to UUT I Plastic cable ties adde Control Section. Rigid Base mount usir washers	500HP MEDIU Corporation 00RK-84 me 2 Adjustabl rface, monitorir nent 1, Table 2. sent in UUT: ion Option. Ig devices and Vi brand produ made at Lab: ed around DIN mg (16) – 5/8" d	the ICC M VOL	c-ES AC TAGE I d Drive ces and ces and unted re head G	control DIVE		K OptiSpeed			
UUT- 2 MANUFACTURER: IDENTIFICATION: DESCRIPTION: MOUNTING: PROPERTIES:	YORK OPTISPEED 2 Toshiba International Model No.: MVVSD25 2500 HP, 4160 V, Fra YORK OptiSpeed inte software. See Attachn Optional features pres • Seismic Configurat • Interface, monitorin the Toshiba T300M Modifications to UUT I Plastic cable ties adde Control Section. Rigid Base mount usir washers	500HP MEDIU Corporation 00RK-84 me 2 Adjustabl rface, monitorin nent 1, Table 2. sent in UUT: ion Option. ig devices and o IVi brand produ made at Lab: ed around DIN n ng (16) – 5/8" d	the ICC M VOL	c-ES AC TAGE I d Drive ces and software unted re head G	control Contro		K OptiSpeed			
UUT- 2 MANUFACTURER: IDENTIFICATION: DESCRIPTION: MOUNTING: PROPERTIES:	YORK OPTISPEED 2 Toshiba International Model No.: MVVSD25 2500 HP, 4160 V, Fra YORK OptiSpeed inte software. See Attachn Optional features pres • Seismic Configurat • Interface, monitorin the Toshiba T300M Modifications to UUT I Plastic cable ties adde Control Section. Rigid Base mount usir washers	500HP MEDIU Corporation 00RK-84 me 2 Adjustabl rface, monitorin nent 1, Table 2. tent in UUT: ion Option. Ig devices and Vi brand produ made at Lab: ed around DIN for https://www.commonsci.com/ add/distribution/ reg (16) – 5/8" d	the ICC M VOL	c-ES AC TAGE I d Drive ces and unted re head G	control DIVE e unique to lay in r.8 bolts w/	LOWE	CoptiSpeed	NT FREQUE		ht.)
UUT- 2 MANUFACTURER: IDENTIFICATION: DESCRIPTION: MOUNTING: PROPERTIES: Width	YORK OPTISPEED 2 Toshiba International Model No.: MVVSD25 2500 HP, 4160 V, Fra YORK OptiSpeed inte software. See Attachm Optional features pres • Seismic Configurat • Interface, monitorin the Toshiba T300M Modifications to UUT Plastic cable ties adde Control Section. Rigid Base mount usir washers DIMENSIONS (in.)	Corporation 500HP MEDIU Corporation 500RK-84 me 2 Adjustabl rface, monitorin nent 1, Table 2. Sent in UUT: ion Option. Ig devices and review made at Lab: ad around DIN ad around DIN for (16) – 5/8" d	the ICC M VOL e Speen ng devic control uct line. rail mou ia. hex	c-ES AC TAGE I d Drive ces and software unted re head G	ight (lb.)	LOWE	OptiSpeed	NT FREQUE nt-Axis	INCY (H	Hz.)
UUT- 2 MANUFACTURER: IDENTIFICATION: DESCRIPTION: MOUNTING: PROPERTIES: Width 164	YORK OPTISPEED 2         Toshiba International         Model No.: MVVSD25         2500 HP, 4160 V, Fra         YORK OptiSpeed inte         software. See Attachn         Optional features press         • Seismic Configurati         • Interface, monitorin         the Toshiba T300M         Modifications to UUT I         Plastic cable ties added         Control Section.         Rigid Base mount usir         washers         DIMENSIONS (in.)         Depth         50	Corporation 500HP MEDIU Corporation 600RK-84 me 2 Adjustabl rface, monitorin nent 1, Table 2. ent in UUT: ion Option. Ig devices and Ni brand produ made at Lab: ed around DIN in ad around DIN in hg (16) – 5/8" d	the ICC M VOL	C-ES AC TAGE I d Drive ces and unted re head G	ight (lb.) 6,700	LOWE Side-Axis 2.5	CoptiSpeed	NT FREQUE nt-Axis 9.3	ENCY (H	Hz.) rtical-Axis 5.2
UUT- 2 MANUFACTURER: IDENTIFICATION: DESCRIPTION: MOUNTING: PROPERTIES: Width 164 SHAKE TABLE TEST P	YORK OPTISPEED 2         Toshiba International         Model No.: MVVSD25         2500 HP, 4160 V, Fra         YORK OptiSpeed inte         software. See Attachm         Optional features press         • Seismic Configurati         • Interface, monitorin         the Toshiba T300M         Modifications to UUT In         Plastic cable ties added         Control Section.         Rigid Base mount usin         washers         DIMENSIONS (in.)         Depth         50         ARAMETERS	Corporation 500HP MEDIU Corporation 600RK-84 me 2 Adjustabl rface, monitorir nent 1, Table 2. sent in UUT: ion Option. Ig devices and IVi brand produces made at Lab: ed around DIN indicate the second	the ICC M VOL e Speeng device control ict line. rail mou lia. hex	c-ES AC TAGE I d Drive ces and unted re head G	ight (lb.)	LOWE Side-Axis 2.5	CoptiSpeed	NT FREQUE nt-Axis 9.3	ENCY (H	Hz.) rtical-Axis 5.2
UUT- 2         MANUFACTURER:         IDENTIFICATION:         DESCRIPTION:         MOUNTING:         PROPERTIES:         Width         164         SHAKE TABLE TEST P         CODE	YORK OPTISPEED 2         Toshiba International         Model No.: MVVSD25         2500 HP, 4160 V, Fra         YORK OptiSpeed inte         software. See Attachm         Optional features press         • Seismic Configurati         • Interface, monitorin         the Toshiba T300M         Modifications to UUT I         Plastic cable ties added         Control Section.         Rigid Base mount usir         washers         DIMENSIONS (in.)         Depth         50         ARAMETERS         TEST CRITERIA	Corporation 500HP MEDIU Corporation 500RK-84 me 2 Adjustabl rface, monitorin nent 1, Table 2. sent in UUT: ion Option. Ig devices and Wi brand produ made at Lab: ad around DIN ad around DIN in fg (16) – 5/8" d Height 104	the ICC M VOL e Speeing device control act line. rail mou lia. hex	c-ES AC TAGE I d Drive ces and software unted re head G head G	ight (lb.) 6,700	LOWE Side-Axis 2.5	OptiSpeed	NT FREQUE nt-Axis 9.3 AFLX-V	INCY (H Ver	Hz.) rtical-Axis 5.2 A <sub>RIG-V</sub>
UUT- 2         MANUFACTURER:         IDENTIFICATION:         DESCRIPTION:         MOUNTING:         PROPERTIES:         Width         164         SHAKE TABLE TEST P         CODE         CBC 2016	YORK OPTISPEED 2         Toshiba International         Model No.: MVVSD25         2500 HP, 4160 V, Fra         YORK OptiSpeed inte         software. See Attachn         Optional features press         • Seismic Configuratt         • Interface, monitorin         the Toshiba T300M         Modifications to UUT 1         Plastic cable ties added         Control Section.         Rigid Base mount usir         washers         DIMENSIONS (in.)         Depth         50         ARAMETERS         TEST CRITERIA         ICC-ES AC156	Corporation 500HP MEDIU Corporation 600RK-84 me 2 Adjustabl rface, monitorir nent 1, Table 2 sent in UUT: ion Option. Ig devices and Vi brand produ made at Lab: ed around DIN og (16) – 5/8" d Height 104 S <sub>DS</sub> 1.56 2.00	the ICC M VOL e Speed ng devic control ict line. rail mou iia. hex	c-ES AC TAGE I d Drive ces and unted re head G head G	ight (lb.) 6,700	Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми Соми	EST RESONAN Fror S ARIG-H 1.87 1.00	NT FREQUE nt-Axis 9.3 AFLX-V 1.05 1.68	INCY (H	Hz.)           rtical-Axis           5.2           ARIG-V           0.42           0.68