

SAPPLICATION FOR OSHPD SPECIAL		SE UNLY
SEISMIC CERTIFICATION PREAPPROVAL		
(OSP)	APPLICATION #: 0	DSP – 0405
OSHPD Special Seismic Certification Preapproval (OSP)		
Type: 🗌 New 🛛 Renewal		
Manufacturer Information		
Manufacturer: Eaton Corporation		
Manufacturer's Technical Representative: <u>Nick Baileys</u>		
Mailing Address: 3301 Spring Forest Road, Raleigh, NC 27616		
Telephone: (919) 878-6081 Email: nickba	ileys@eaton.com	
Product Information OSHPD	L'AL	
Product Name: 93PM and 93PM-COSP-0405		
Product Type: Uninterruptible Power Supply (UPS)		
Product Model Number: <u>Varies, see attachment Mohammad Alia</u> (List all unique product identification numbers and/or part numbers)	ari o	
General Description: 50-400 kVA UPS. Seismic enhancements made	<mark>de to t</mark> he te <mark>st un</mark> its and mo	difications required to
address anomalies observed during the tests shall be incorporated in	to the production units.	
Mounting Description: <u>Rigid base mounted</u>	2	
	ODE'	
Applicant Information		
Applicant Company Name:	ssociates, Inc.	
Contact Person:Galen Reid		
Mailing Address: <u>5215 Hellyer Ave., Suite 210, San Jose, CA 95138</u>		
Telephone: 844-878-0200 Email: greid@	<u>structint.com</u>	
I hereby agree to reimburse the Office of Statewide Health I accordance with the California Administrative Code, 2016.	Planning and Develop	ment review fees in
Signature of Applicant:	Date:	07/03/2019
Title: Program Manager Company Name: TRU C	ompliance, by Structural I	ntegrity Associates, Inc.
"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"	MMM	OSHPD



STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY OSH-FD-759 (REV 12/16/15)

Page 2 of 3

California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)
Company Name:
Name: Andrew M. Coughlin California License Number: S6082
Mailing Address: 5215 Hellyer Ave., Suite 210, San Jose, CA 95138
Telephone: 844-878-0200 Email: <u>acoughlin@structint.com</u>
Supports and Attachments Preapproval
 Supports and attachments are preapproved under OPM- (Separate application for OSHPD Preapproval of Manufacturer's Certification (OPM) of Supports and attachments is required) Supports and attachments are not preapproved
Certification Method OSP-0405
 Testing in accordance with: X Other (Please Specify):
Testing Laboratory
Company Name: Clark Testing
Contact Name: Devon Lohr
Mailing Address: 1801 Route 51, Jefferson Hills, PA 15025
Telephone: (412) 387-1027 Email: <u>dlohr@clarktesting.com</u>
Company Name: <u>Areva Inc.</u>
Contact Name: James Wilcoski
Mailing Address: 1724 Mount Athos Rd.
Telephone: (217)373-6763 Email: james.wilcoski@usace.army.mil
Company Name:Wyle (now NTS- Huntsville)
Contact Name: Greg Mason
Mailing Address: 7800 Highway 20 West
Telephone: (256) 837-4411 Email: greg.mason@nts.com
"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"
06/16/2020 OSB 0405

OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY OSH-FD-759 (REV 12/16/15)

Pag	е	2	of	3

Seismic Parameters
Design in accordance with ASCE 7-10 Chapter 13: 🖂 Yes 🔲 No
Design Basis of Equipment or Components (Fp/Wp) = Varies, See Product Matrices
S _{DS} (Design spectral response acceleration at short period, g) = <u>Varies</u> , See Product Matrices
a _p (In-structure equipment or component amplification factor) = <u>1.0</u>
R _p (Equipment or component response modification factor) = <u>2.5</u>
Ω_0 (System overstrength factor) =
I _p (Importance factor) = 1.5
z/h (Height factor ratio) = _0 and 1
Equipment or Component Natural Frequencies (Hz) = See Product Matrices
Overall dimensions and weight (or range thereof) = <u>See Product Matrices</u>
Equipment or Components @ grade designed in accordance with ASCE 7-10 Chapter 15: 🔲 Yes 🛛 No
Design Basis of Equipment or Components (V/W) =
S _{DS} (Design spectral response acceleration at short period, g) =
S _{D1} (Design spectral res <mark>ponse</mark> acceleration at 1 second period, g) =
R (Response modification coefficient) =
Ω_0 (System overstrength factor) =
Cd (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) + DIMO
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): Product Matrices
OSHPD Approval (For Office Use Only) – Approval Expires on December 31, 2025
Signature: M. Aliani Date: June 16, 2020
Signature: M. Alian Date: June 16, 2020 Print Name: Mohammad Aliaari Title: SSE
Special Seismic Certification Valid Up to : SDS (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"

W



1800524-CR-001 R4

Model Line:

Manufacturer: Eaton 93 PM & 93 PM-L Uninterruptible Power Supply

TABLE 1

Certified Product Construction Summary:

50kVA - 400 kVA, carbon steel frame and enclosure.

Certified Options Summary:

See model line numbering pages for the significance of "X";

Dimensions are Maximum Without Seismic Mounting/Bracing Kit; Weights are maximum.

Mounting Configuration: Base mounted - rigid

FORCODE

Note: Installed mounting configuration must be of similar configuration and equivalent strength and stiffness to those tested.

Building Code:	CBC 2019	Seismic (Certificati	on Limits:	S _{DS} =	1.83 g z	/h=1.0 I	= 1.5
Madallina	A	Dimensions (in) 5		Weight Vertical				
Model Line	Model	Depth	Width	Height	(lb)	C.G. (in)	Notes	UUT
	9PA05D02 <mark>20 A0</mark> 1R1	By42Mo	bha 22 nm	ad A liaa	ri 686	40		1
	9PXXXXXX <mark>XX</mark> XXXXX		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			O		Interp.
	9PXXXXXXX <mark>XX</mark> XXXXX	DATE.	06/16	0000				Interp.
	9PA05D602 <mark>9 L00R</mark> 1	42	30	74	2178	35		4
	9PXXXXXXXX XXXXX					·/		Interp.
93PM UPS	9PXXXXXXXX XXXXX	42	37	74	1540	39		Interp.
	9PXXXXXXXX XXXXX	0	<i></i>	S				Interp.
	9PV20D0029 F20R1	42/	47	74 C	1774	38		2
	9PV20C0029 F20R2	42	BU47LI	74	1795	38		12
	9PXXXXXXXX XXXXX							Interp.
	9P640D0029A00R2	42	63.9	74	2628	35		15
	9GCXXXXXXX XXXXX	42	22	74	570	38.3		Interp.
	9GCXXXXXXX XXXXX							Interp.
	9GC312A700A02R0	42	22	74	1604	43.5		16
	9GCXXXXXXX XXXXX	42	30	74	742	37.1		Interp.
	9GCXXXXXXX XXXXX							Interp.
	9GCXXXXXXX XXXXX	42	30	74	1765	42.5		Interp.
93 PM - L UPS	9GCXXXXXXX XXXXX	42	34.5	74	892	37		Interp.
	9GCXXXXXXX XXXXX							Interp.
	9GCXXXXXXX XXXXX	42	34.5	74	1992	41.9		Interp.
	9GFXXXXXXX XXXXX	42	22	74	702	37.4		Interp.
	9GFXXXXXXX XXXXX							Interp.
	9GFXXXXXXX XXXXX	42	22	74	1047	43.9		Interp.
	9GFXXXXXXX XXXXX	42	34.5	74	940	36.9		Interp.

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844-TRU-0200 | info@trucompliance.com



1800524-CR-001 R4

Model Line:

Manufacturer: Eaton 93 PM & 93 PM-L Uninterruptible Power Supply

TABLE 1

Certified Product Construction Summary:

50kVA - 400 kVA, carbon steel frame and enclosure.

Certified Options Summary:

See model line numbering pages for the significance of "X";

Dimensions are Maximum Without Seismic Mounting/Bracing Kit; Weights are maximum.

Mounting Configuration: Base mounted - rigid

FORCODE

Note: Installed mounting configuration must be of similar configuration and equivalent strength and stiffness to those tested.

Building Code:	CBC 2019	Seismic (Certificati	on Limits:	S DS=	1.83 g z/	/h=1.0 I	= 1.5	
		8	Dir	nensions	(in))5	Weight	Vertical	Notos	
Model Line	Model	Depth	Width	Height	(lb)	C.G. (in)	Notes	UUT	
	9GFXXXXX <mark>XX XX</mark> XXX	ву…Мо	hamm	ad Aliaa	ari …			Interp	
	9GFXXXXX <mark>XX</mark> XXXXX	42	34.5	74	1577	<u>40.</u> 6		Interp	
	9GHXXXXX <mark>XX AX</mark> XXX	42	34.5	2074	<mark>9</mark> 33	36.4		Interp	
93 PM - L UPS	9GHXXXXXX <mark>X AXX</mark> XX	DATE:	00/10/	2020	/			Interp	
93 PM - L UPS	9GHXXXXXXX AXXXX	42	34.5	74	1416	40.7		Interp	
	9GKXXXXXXX AXXXX	42	43.3	74	1064	35.7		Inter	
	9GKXXXXXXX AXXXX	00		S				Inter	
	9GK040A000A02R0	42/	43.3	74 C	1722	38.1		17	
								_	

Page 5 of 47



Manufacturer:	Eaton		TABLE 1.1
Model Line:	93PM Uninterruptible	Power Supply (UPS)	
		9M = 93PM 0.8 pf	
Columns 1 & 2	Model Line	9N = 93PM 0.9 pf	
		9P = 93PM 1.0 pf	
		A = 93PM-50 Capacity Frame	
		B = 93PM-50 Redundant Frame, 1 UPM	
		C = 93PM-50 Redundant Frame, 2 UPM	
		D = 93PM-100 Capacity Frame, 1 UPM	
		E = 93PM-100 Capacity Frame, 2 UPM	
		F = 93PM-100 Redundant Frame, 1 UPM	
		G = 93PM-100 Redundant Frame, 2 UPM	
		H = 93PM-100 Redundant Frame, 3 UPM	
		J = 93PM-150 Capacity Frame, 1 UPM	
	REL	K = 93PM-150 Capacity Frame, 2 UPM	
	A	L = 93PM-150 Capacity Frame, 3 UPM	
Column 3 Base Model	M = 93PM-150 Redundant Frame, 1 UPM		
	N = 93PM-150 Redundant Frame, 2 UPM		
	P = 93PM-150 Redundant Frame, 3 UPM		
	R = 93PM-150 Redundant Frame, 4 UPM		
		S = 93PM-200 Capacity Frame, 1 UPM	
	S	T = 93PM-200 Capacity Frame, 2 UPM	
		U = 93PM-200 Capacity Frame, 3 UPM	
		V = 93PM-200 Capacity Frame, 4 UPM	
		Z = N/A, Used on P-110000112 93PM Accessories CT	ГО
		9 = No UPS (SideCar Only)	
		0 = 93PM-400 Capacity Frame, 2 UPM	
		1 = 93PM-400 Capacity Frame, 3 UPM	
		2 = 93PM-400 Capacity Frame, 4 UPM	
		3 = 93PM-400 Capacity Frame, 5 UPM	
		4 = 93PM-400 Capacity Frame, 6 UPM	
		5 = 93PM-400 Capacity Frame, 7 UPM	
		6 = 93PM-400 Capacity Frame, 8 UPM	
		02 = 20 kVA	
		03 = 30 kVA	
		04 = 40 kVA	
Columns 4 & 5	UPS kVA Rating	05 = 50 kVA	
		06 = 60 kVA	
		07 = 70 kVA	
		08 = 80 kVA	
		09 = 90 kVA	



1800524-CR-001 R4

Eaton		TABLE 1.1
93PM Uninterruptible		
	10 = 100 kVA	
	11 = 110 kVA	
	12 = 120 kVA	
	13 = 130 kVA	
	14 = 140 kVA	
	15 = 150 kVA	
	16 = 160 kVA	
UPS kVA Rating	17 = 170 kVA	
	18 = 180 kVA CODE	
	19 = 190 kVA	
	20 = 200 kVA	
	25 = 250 kVA	
L.	30 = 300 kVA	
A	35 = 350 kVASP-0405	
	40 = 400 kVA	
	A=400V, 4 wire Aliaari	
O CP	B = 400V, 3 wire	
	C = 480V, 4 wire	
	D = 480V, 3 wire	
	E = 380V, 4 wire	
Y	F = 380V, 3 wire	
Voltage	G = 360V, 4 wire	
Configuration	H = 360V, 3 wire	
		No Internal Batteries
Internal Batteries		
		,
	F = With Internal Batteries (4 strings), type 9Ah LL	
	93PM Uninterruptible	93PM Uninterruptible Power Supply (UPS) 10 = 100 kVA 11 = 110 kVA 12 = 120 kVA 13 = 130 kVA 14 = 140 kVA 15 = 150 kVA 16 = 160 kVA 17 = 170 kVA 18 = 180 kVA 25 = 250 kVA 20 = 200 kVA 25 = 250 kVA 30 = 300 kVA 35 = 350 kVA 40 = 400 kVA 35 = 350 kVA 40 = 400 kVA 40 = 400 kVA 40 = 400 kVA 5 = 380V, 4 wire E = 380V, 4 wire F = 380V, 3 wire C = 480V, 4 wire F = 380V, 3 wire J = 415V, 4 wire H = 360V, 3 wire J = 415V, 4 wire H = 360V, 3 wire J = 415V, 4 wire H = 360V, 3 wire J = 415V, 4 wire H = 360V, 3 wire J = 415V, 4 wire H = 360V, 3 wire J = 415V, 4 wire H = 360V, 3 wire J = 415V, 4 wire H = 360V, 3 wire D = No In

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⁸⁴⁴⁻TRU-0200 | info@trucompliance.com



1800524-CR-001 R4

Manufacturer:	Eaton		TABLE 1.1		
Model Line:	93PM Uninterruptible				
		G = With Internal Batteries (5 strings), type 9Ah LL			
		H = With Internal Batteries (6 strings), type 9Ah LL			
Column 7	Internal Batteries	J = With Internal Batteries (4 strings), type 9Ah LL			
Column	internat Datteries	K = With Internal Batteries And Thermal Sensor (3 s	strings), type 9Ah		
		L = With Internal Batteries And Thermal Sensor (4 s	trings), type 9Ah		
		M = With Internal Batteries And Thermal Sensor (4	strings), type 9Ah		
		0 = Single Feed, no Internal MBS			
Column 8	Input Options	1 = Single Feed, with Internal MBS			
Column 8	Input Options	2 = Dual Feed, no Internal MBS			
		3 = Dual Feed, with Internal MBS			
		0 = No ESS, no VMMS			
		1 = No ESS, with VMMS			
Column 9	Efficiency Options	2 = With ESS, no VMMS			
	A	3 = With ESS, with VMMS 5			
		0 = None (Empty)			
		5=PXGMShammad Aliaari			
Column 10	Communication	7 = PXGMS and EMP			
	Opti <mark>ons</mark>	8 = Industrial Relay			
		9 = PXGMS, Industrial Relay and EMP			
	2	A = No Sidecar			
		B = No Breakers, Left Mount			
		C = No Breakers, Right Mount			
		D = 2 Breaker, Left Mount (MBS)			
		E = 3 Breaker, Left Mount (MBS)			
		F = 4 Breaker, Left Mount (MBS)			
		G = 2 Breaker, Right Mount (MBS)			
		H = 3 Breaker, Right Mount (MBS)			
		J = 4 Breaker, Right Mount (MBS)			
Column 11	Sidecar / Top	K = 3 Breaker, Left Mount (Tie, External Capacity)			
	Entry Options	L = 4 Breaker, Left Mount (Tie w/ MBS, External Cap	pacity)		
		M = 3 Breaker, Right Mount (Tie, External Capacity)	•		
		N = 4 Breaker, Right Mount (Tie, w/ MBS, External C			
		P = 3 Breaker, Left Mount (Tie, External Redundant			
		R = 4 Breaker, Left Mount (Tie w/ MBS, External Rec			
		S = 3 Breaker, Right Mount (Tie, External Redundar			
		T = 4 Breaker, Right Mount (Tie w/ MBS, External Redundant			
		U = 2 Breaker, Left Mount (Tie, External Capacity / I			
		V = 2 Breaker, Right Mount (Tie, External Capacity /			
		2 Dicaker, Right Mount (ne, External capacity)	neaunaung		



1800524-CR-001 R4

Manufacturer:	Eaton		TABLE 1.1
Model Line:	93PM Uninterruptible		
		0 = no specification	
	Sidecar Breaker kAIC	1 = STD kAIC, all Breakers Aux	
Column 12	Rating	2 = STD kAIC, MBS Aux Only	
	i i i i i i i i i i i i i i i i i i i	3 = High kAIC, all Breakers Aux	
		4 = High kAIC, MBS Aux Only	
		0 = With Dress Skins, Top Air Exhaust	
		1 = With Dress Skins, Rear Air Exhaust	
Column 13	Cabinet	2 = No Dress Skins, Top Air Exhaust	
Column 15	Configuration ¹	3 = No Dress Skins, Rear Air Exhaust	
		4 = With Dress Skins, Top Air Exhaust, Sidecar Ship	Separate
		5 = With Dress Skins, Rear Air Exhaust, Sidecar Ship	Separate
	4	R = Raleigh, NC	
	L.	F = FAA	
	A	M = Healthcare -0405	
Column 14	Factory Location ²	L = UL 924	
		A-UL 924anammad Aliaari	
		P = Power Conditioner (RPO)	
		C = Frequency Converter (RPO)	
		0 = Initial Release	
		1 = ESS	
Column 15	Generation Code	2 = 50KW STS W/Contactors	
		3-9=Future Product Generation Codes	
		AVI DE COT	
		BUILDING	

¹Option 4 and 5 denotes whether the unit is built on site or at factory. Sidecar is attached at site if building doors will not accommodate size of fully constructed unit.

² Based on runtime only



Manufacturer:	Eaton		TABLE 1.2
Model Line:	93 PM -L Uninterruptik	ble Power Supply (UPS)	
Columns 1 & 2	Model Line	9G = 93PM-L (208V)	
		C1= 93PM-L 60 Capacity Frame, 1UPM	
		C2= 93PM-L 60 Capacity Frame, 2UPM	
		C3= 93PM-L 60 Capacity Frame, 3UPM	
		F1= 93PM-L 120 Capacity Frame, 1UPM	
		F2= 93PM-L 120 Capacity Frame, 2UPM	
		F3= 93PM-L 120 Capacity Frame, 3UPM	
		F4= 93PM-L 120 Capacity Frame, 4UPM	
		F5= 93PM-L 120 Capacity Frame, 5UPM	
		F6= 93PM-L 120 Capacity Frame, 6UPM	
		H1= 93PM-L 160 Capacity Frame, 1UPM	
		H2= 93PM-L 160 Capacity Frame, 2UPM	
	L.	H3= 93PM-L 160 Capacity Frame, 3UPM	
	REVI	H4= 93PM-L 160 Capacity Frame, 4UPM	
		H5= 93PM-L 160 Capacity Frame, 5UPM	
Column 3 &4 Model-UP <mark>M Co</mark> unt	H6=93PM-L160 Capacity Frame, 6UPM		
	H7= 93PM-L 160 Capacity Frame, 7UPM		
		H8= 93PM-L 160 Capacity Frame, 8UPM	
		K1= 93PM-L 200 Capacity Frame, 1UPM	
	2	K2= 93PM-L 200 Capacity Frame, 2UPM	
		K3= 93PM-L 200 Capacity Frame, 3UPM	
		K4= 93PM-L 200 Capacity Frame, 4UPM	
		K5= 93PM-L 200 Capacity Frame, 5UPM	
		K6= 93PM-L 200 Capacity Frame, 6UPM	
		K7= 93PM-L 200 Capacity Frame, 7UPM	
		K8= 93PM-L 200 Capacity Frame, 8UPM	
		K9= 93PM-L 200 Capacity Frame, 9UPM	
		K0= 93PM-L 200 Capacity Frame, 10UPM	
		9C= No UPS(sidecar only) 60kVA frame, CTO5/6=12	
		9K= No UPS(sidecar only) 120kVA frame, CTO5/6=2	4
		02 = 10 kVA	
		03 = 15 kVA	
		04 = 20 kVA	
		05 = 25 kVA	
Columns 5 & 6	UPS kVA Rating	06 = 30 kVA	
		07 = 35 kVA	
		08 = 40 kVA	
		09 = 45 kVA	
		10 = 50 kVA	



1800524-CR-001 R4

Manufacturer:	Eaton		TABLE 1.2
Model Line:	93 PM -L Uninterrupti	ble Power Supply (UPS)	
		11 = 55 kVA	
		12 = 60 kVA	
		13 = 65 kVA	
		14 = 70 kVA	
		15 = 75 kVA	
		16 = 80 kVA	
		17 = 85 kVA	
		18 = 90kVA	
		19 = 95 kVA2 CODE	
		20 = 100 kVA	
		21 = 105 kVA	
		22 = 110 kVA	
		23 = 115 kVA	
	B	24 = 120 kVASP-0405	
Columns 5 & 6		25 = 125 kVA	
(continued)	IIPS kV/A Pating	26=130 kVA ammad Aliaari	
0	27 = 135 kVA		
		28 = 140 kVA	
		29 = 145 kVA	
	C	30 = 150 kVA	
	y y	31 = 155 kVA	
		32 = 160 kVA	
		33 = 165 kVA	
		34 = 170 kVA ULDINO	
		35 = 175 kVA	
		36 = 180 kVA	
		37 = 185 kVA	
		38 = 190 kVA	
		39 = 195 kVA	
		40 = 200 kVA	
6.1	Voltage	A = Single Input 208/220V, 50/60 Hz; Output 208/22	20V, 1.0 p.f., 50/60Hz
Column 7	Configuration	B = Dual Input 208/220V, 50/60 Hz; Output 208/220	V, 1.0 p.f., 50/60Hz
		0 = No Internal Batteries; No Battery Breaker	
		2 = With Internal Batteries, 2 strings	
		3 = With Internal Batteries, 3 strings	
Column 8	Internal Batteries	4 = With Internal Batteries, 4 strings	
		5 = 2 Strings & Thermal Sensors	
		6 = 3 Strings & Thermal Sensors	
		7 = 4 Strings & Thermal Sensors	



Eaton		TABLE 1.2					
93 PM -L Uninterruptio							
Internal Dattarias							
Internal Batteries							
Efficiency Options							
	3 = EMP and IRC						
Connectivity Slots	4=						
connectivity stors	5 = Power Xpert Gateway Mini-Slot						
L.	6 =						
R	7 = PXGMS and EMP405						
	8 = Industrial Relay Card (IRC)						
	9=PXGMS, IRC and EMPAliaari						
Sidecar/Wireway	A = None						
	B = Left Top Entry Sidecar, No Breakers						
	C = Right Top Entry Sidecar, No Breakers						
	D = Left MBS, 2 Breakers, MIS/MBP						
	E = Left MBS, 3 Breakers, BIB/MIS/MBP						
Options							
Sidecar Breaker	· ·	onitored)					
Environmental							
Application Options	F = FAA						
	93 PM -L Uninterruptik Internal Batteries Efficiency Options Connectivity Slots Sidecar/Wireway Options Sidecar Breaker Environmental Options	33 PM - L Uninterruptible Power Supply (UPS) Internal Batteries 8 = 2 Strings (Batteries Not Supplied) A= 4 Strings (Batteries Not Supplied) A= 4 Strings (Batteries Not Supplied) D= No ESS Efficiency Options 1 = 2 = ESS 0 = None 1 = Environmental Monitoring Probe 2 = PXGMS and IRC 3 = EMP and IRC 4 = 5 = Power Xpert Gateway Mini-Slot 6 = 6 = 7 = PXGMS and EMP 8 = Industrial Relay Card (IRC) 9 = PXGMS, IRC, and EMP 8 = Industrial Relay Card (IRC) 9 = PXGMS, IRC, and EMP 8 = Left Top Entry Sidecar, No Breakers C = Right Top Entry Sidecar, No Breakers D = Left MBS, 2 Breakers, MIS/MBP E = Left MBS, 3 Breakers, BIB/BIS/MBP H = 3 Breaker, Right Mount (MBS) J = Right MBS, 4 Breakers, RIB/BIB/MIS/MBP G = Right MBS, 4 Breakers, RIB/BIB/MIS/MBP L = Wireway Ship Separate 0 = No Specification Sidecar Breaker 1 = Rear Exhaust 2 = Top Exhaust, CosHPD 2 = Top E					



1800524-CR-001 R4

Manufacturer: Model Line:	Eaton	ala Dawar Supply (UDS)	TABLE 1.2
model Line:		ole Power Supply (UPS) M = Healthcare	
		L = UL 924	
Column 14	Application Options	A = UL 924A	
(continued)		C = Frequency Converter	
		P = Power Converter	
		0 = Initial Release	
Column 15	Generation Code	1-9 = Future Product Generation Codes	
		OR CODE	
		S FURTHER ON	
		OSEPONT	
	E.		
	R	OSP-0405	
		BY: Mohammad Aliaari	
	0		
		DATE: 06/16/2020	
		BATE. CONTONEDED	
		Opt Soft	
		ARIMONG	
		SOILDIR	
		TDU Compliance by St	

Page 13 of 47



Manufacturer:	Eaton						ТАР	
Model Line:	93 PM IAC						TAB	
Certified Product Co	nstruction Summary:						•	
50 kVA- 200 kVA; carb	oon steel frame and enclos	sure.						
Certified Options Sur	-							
	ering pages for the signifi							
Dimensions are maxi	mum without seismic mo	unting/bra	acket kit; w	eights are	maximum	1.		
			0.01					
Mounting Configurat		EC	RCUI	DECO				
Base mounted - rigid	configuration must be of similar						at a d	
note: installed mounting (computation must be of similar	configuratio	anu equiva	aterit strengtr	and stimes	s to those te	sieu.	
Building Code:	CBC 2019	Seismic	Certificatio	on Limits:	S DS=	1.83 g	z/h=1.0	<i>I</i> _P = 1.5
	6	Di	mensions	(in)5	Weight	Vertical		
Model Line	Model	Depth	Width	Height	(lb)	C.G. (in)	Notes	UUT
	9PZMA A0 <mark>00000</mark> 010	BV42M0	ha ²⁰ m	ad Afiaa	4 04	36		5
	9PZMX XX <mark>XXXXX</mark> X1X					O.,		Interp.
	9PZMD F200000010	42	06 ²⁰ 16	74	726	<mark>3</mark> 6		6
	9PZMX XXXXXXXX1X	DATE:	00/10/	2020				Interp.
	9PZRX XXXXXXXXXX	42	20	74	1034	· /		Interp.
	9PZRA AXXXXXXXXX	42	31	74	674	33.7		Interp.
93PM IAC	9PZRX XXXXXXXXX1X	00						Interp.
	9PZRD CXXXXXXX1X	42/	31	74 C	1035	36.2		Interp.
	9PZSX XXXXXXXX1X	42	DG1L	74	722			Interp.
	9PZXX XXXXXXXX1X							Interp.
	9PZD1 H000000011	42	31	74	1105	34		10
	9PZXX XXXXXXXX1X							Interp.
	9PZG4 SBC0001011	42	31	74	2165	27		11



1800524-CR-001 R4

Manufacturer:	Eaton	IAC-T Model Line Numbering	TABLE 2.1
Model Line:	93PM Integrated Acces	sory Cabinet (IAC)	IADLE 2.1
Columns 1 - 3	Model Line	9PZ = 93PM Accessories	
Column 4	Accessory	M = IAC-T	
		A = 50 kW	
Column 5	Associated UPS Model	B = 100 kW	
Column 5	ASSOCIATED OF 5 MODEL	C = 150 kW	
		D = 200 kW	
		A = 1+1	
		B = 2+0	
Column C	LIDE Configuration	C=2+1 R CODE	
Column 6	UPS Configuration	D = 3+0	
		E=3+1	
		F = 4+0	
	L.	0 = No MIS, no MBP	
Column 7	MIS/MBP Breakers	1 = MIS, no MBP -0405	
		2 = MIS, MBP	
Column 0		0 = Top Exhaust mad Aliaari	
Column 8	Exhaust Configuration	1 = Rear Exhaust	
Column 9	Op <mark>en</mark>	0=Open	
Column 10	Open	0=Open	
Column 11	Open	0 = Open	
Column 12	Open	0 = Open	
Column 13	Open	0=Open	
Column 14	Structural	0 = Standard	
Column 14	Configuration	1 = OSHPD OIL DIRG	
Column 15	Generation Code	0 - 9 = Product Generation Codes	

Page 15 of 47



Manufacturer:	Eaton	IAC-D Model Line Numbering	TABLE 2.2				
Model Line:	93PM Integrated Acces						
Columns 1-3	Model line	9PZ = 93PM Accessories					
		D = 50 kVA IAC-D, 480 V / 208 V					
		E = 100 kVA IAC-D, 480 V / 208 V					
Column 4	Accessory	F = 150 kVA IAC-D, 480 V / 208 V					
		G = 200 kVA IAC-D, 480 V / 208 V					
		N = 50 kVA IAC-D, 208 V / 208 V					
		P = 100 kVA IAC-D, 208 V / 208 V					
		1 = K1 Non TP1, 480 V / 208 V Delta / WYE					
Column 5	Output Transformer	2 = K13 Non TP1, 480 V / 208 V Delta / WYE					
columnis		3 = K1 TP1, 480 V / 208 V Delta / WYE					
		4 = K13 TP1 480 V / 208 V Delta / WYE					
Column 6	Breaker kAIC Rating	S = STD kAIC					
Columno	breaker KAIC Rating	H = High kAIC					
	R	0 = No Distribution 405					
		B = 225 A Panel Board Top					
		1=1 Subfeed Breaker Aliaari					
		2 = 2 Subfeed Breakers					
		3 = 3 Subfeed Breakers					
Column 7		4 = 4 Subfeed Breakers					
		5 = 5 Subfeed Breakers					
		6 = 1 Subfeed Breaker + 4 Field Upgrades					
		7=2 Subfeed Breakers + 3 Field Upgrades					
		8 = 3 Subfeed Breakers + 2 Field Upgrades					
		9 = 4 Subfeed Breakers + 1 Field Upgrade					
		0 = No Distribution					
		B = 225 A Panel Board Bottom					
		1 = 1 Subfeed Breaker					
		2 = 2 Subfeed Breakers					
Column 8	Distribution Bottom	3 = 3 Subfeed Breakers					
		C = 400 A Panel Board Bottom					
		4 = 1 Subfeed Breaker + 2 Field Upgrades					
		5 = 2 Subfeed Breakers + 1 Field Upgrade					
		0 = 80% Rated Breaker					
	Distribution Breaker	1 = 80% Rated Breaker w/ Aux (Distribution Subfeed	d Only)				
Column 9	Туре	2 = 100% Rated Breaker (Distribution Subfeed Only)					
		3 = 100% Rated Breaker (Distribution Subject Only)					
Column 10	Branch Metering	0 = None					
column 10	Dranen Metering	0 = Top Exhaust					
Column 11	Cabinet Contiguration	1 = Rear Exhaust					
		I - NEAL LAHAUSU					



1800524-CR-001 R4

Manufacturer: Model Line:	Eaton 93PM Integrated Acces	IAC-D Model Line Numbering	TABLE 2.2			
		0 = No Optional Breaker				
Column 12	Optional Breaker	1 = 1 Optional 225 A Breaker				
	Line and Match/	0 = Line and Match				
Column 13	Remote Installation					
	Structural	0 = Standard				
Column 14	Configuration	1 = OSHPD				
Column 15	Generation Code	0 - 9 = Product Generation Codes				
		ED FOR CODE COMP				
		OSHPD 72				
	4	OSP-0405				
		By: Mohammad Aliaari				
	0					
		DATE: 06/16/2020				
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		Op Opt				
		ABUILDING				

Page 17 of 47



1800524-CR-001 R4

Manufacturer:	Eaton	IAC-B Model Line Numbering	TABLE 2.3				
Model Line:	93PM Integrated Acces	sory Cabinet (IAC)	IADLE 2.5				
Columns 1-3	Model line	9PZ = 93PM Accessories					
Column 4	Accessory	R = IAC-B					
		A = 60 kW IAC-B 208/208V					
		B = 120 kW IAC-B 208/208V					
Column 5	Associated UPS Model	C = 160 kW IAC-B 208/208V					
		D = 200 kW IAC-B 208/208V					
		E = 400 KW IAC-BD 480/480V					
		A = 2-Breaker 65 KAIC (MBP/MIS)					
Column C	Duestion Configuration	B = 3-Breaker 65 KAIC (MBP/MIS/BIB)					
Column 6	Breaker Configuration	C = 4-Breaker 65 KAIC (MBP/MIS/BIB/RIB) Single Inpu	ut				
	1	D = 4-Breaker 65 KAIC (MBP/MIS/BIB/RIB) Dual Input					
		1 = Key Interlock					
Column 7	Key/Interlock	2 = Interlock Bracket					
Column 8	Open	0 = NoneOSP-0405					
Column 9	Open	0 = None					
		0=Ton Exhaustance of Alice ri					
Column 10	Exhuast Configuration	1 = Rear Exhaust (208V only)					
	Installation Configuration	0 = N/A (400 kVA only)					
Column 11		1 = Right Side Install (208V only)					
		2 =Left Side Install (208V only)					
Column 12	Open	0 = None					
		0 = Line and Match (Required for 160 & 200 kVA)					
Column 13	Installation	1 = Remote					
	Structural	0 = Standard ULDING					
Column 14	Configuration	1 = OSHPD					
Column 15	Generation Code	0 - 9 = Product Generation Codes					

Page 18 of 47



Manufacturer:	Eaton	IAC-BD Model Line Numbering	TABLE 2.4			
Model Line:	93PM Integrated Acces	sory Cabinet (IAC)				
Columns 1-3	Model line	9PZ = 93PM Accessories				
Column 4	Accessory	S = IAC-BD				
Column 5	Associated UPS Model	E = 400 kW IAC-BD 480/480V				
Column 6	Breaker Configuration	A = 2-Breaker 65 KAIC (MBP/MIS)				
columno		B = 3-Breaker 65 KAIC (MBP/MIS/BIB)				
Column 7	Breaker Interlock	1 = Key Interlock				
Column	Dieakei Intertock	2 = Interlock Bracket				
		2 = 2 Subfeed Breakers				
Column 8	Distribution	3 = 3 Subfeed Breakers				
		4 = 4 Subfeed Breakers				
Column 9	Mataring	0 = No Metering				
Column 9	Metering	1 = Metering				
Column 10	Full and Canfinder	0 = Top Exhaust				
Column 10	Exhaust Configuration	1 = Rear Exhaust -0405				
Column 11	Op <mark>en</mark>	0 = None				
Column 12	Op <mark>en</mark>	0=Noneohammad Aliaari				
6.1	Line & Match/ Remote					
Column 13	Installation	1 = Remote Installation				
6.1	Structural	0 = Standard				
Column 14	Configuration	1=OSHPD				
Column 15	Generation Code	0 - 9 = Product Generation Codes				
		Op St.				
		TRUILDING				



1800524-CR-001 R4

Manufacturer: Model Line:	Eaton	IAC-PD Model Line Numbering	TABLE 2.5			
Columns 1-3	93PM Integrated Acces Model line	9PZ = 93PM Accessories				
Column 4	Accessory	X = IAC-PD				
Column 4	Accessory	A = 60 kVA 93PM-L-60, 208V				
		B = 120 kVA 93PM-L-120, 208V				
		C = 160 kVA 93PM-L-160, 208V				
		D = 200 kVA 93PM-L-200, 208V				
		E = 50 kVA 93PM 50, 480V				
		F = 100 kVA 93PM 100, 480V				
Column 5	Associated UPS Model or Distribution					
Column 5	Cabinet	H = 200 kVA 93PM 200, 480V				
	Cabinet	J = 400 kVA 93PM 400, 480V K = 208V 250A IAC-D Subfeed Breaker				
	No.					
	4	L = 50 kVA IAC-D (208V) W/no Distribution Option				
	R	M = 100 kVA IAC-D (208V) W/no Distribution Option				
		N = 150 kVA IAC-D (208V) W/no Distribution Option				
		P = 200 kVA IAC-D (208V) W/no Distribution Option				
		R = 480V 250A IAC-BD Subfeed Breaker				
Column 6	Input Voltage	2 = 208Y/120V 4-Wire 4 = 480Y/277V 4-Wire				
	2	5 = 480V 3-Wire				
		0 = No Distribution				
		B = 225A Panel Board (208/120V)				
		C = 400A Panel Board (208/120V)				
		D = 225A Panel Board (480/277V)				
Column 7	Distribution Top	1 = 1 Subfeed Breaker (250A)				
		2 = 2 Subfeed Breakers (250A)				
		3 = 3 Subfeed Breakers (250A)				
		4 = 1 Subfeed Breaker (400A)				
		5 = 2 Subfeed Breakers (400A)				
		B = 225A Panel Board (208/120V)				
		C = 400A Panel Board (208/120V)				
Column 8	Distribution Bottom	D = 225A Panel Board (480/277V)				
		4 = 1 Subfeed Breaker (400A)				
		5 = 2 Subfeed Breakers (400A)				
Column 9	Open	0 = None				
		0 = None				
Column 10	Branch Metering	1 = BCMS				
		0 = Top Exhaust				
Column 11	Cabinet Configuration	1 = Rear exhaust				

Page 20 of 47



1800524-CR-001 R4

Manufacturer: Model Line:	Eaton 93PM Integrated Acces	IAC-PD Model Line Numbering sory Cabinet (IAC)	TABLE 2.5
Column 12	Open	0 = None	
	Line & Match/ Remote		
Column 13	Installation	1 = Remote Installation	
	Structural	0 = Standard	
Column 14	Configuration	1 = OSHPD	
Column 15	Generation Code	0 - 9 = Product Generation Codes	
		ORCODE)
		CD FO	
		USHPD M	
	4		
	R	USP-0405	
		BY: Mohammad Aliaari	
		DATE: 06/16/2020	
	0.4	<u>~</u>	
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		BUILDING	

Page 21 of 47



Manufacturer:	Eaton						ТЛО	E D
Model Line:	93 PM IBC						TABI	- E 3
Certified Product Cor	nstruction Summary:							
50 kVA- 200 kVA; carb	on steel frame and enclos	sure.						
Certified Options Sun	nmary:							
	ering pages for the signifi							
Dimensions are maxir	mum without seismic mo	unting/bra	acket kit; w	eights are	maximum	l.		
Mounting Configurat	tion:	EC	RCO	DECO				
Base mounted - rigid								
Note: Installed mounting c	configuration must be of similar	configuratio	on and equiva	alent strengtr	and stiffnes	is to those teste	d.	
Building Code:	CBC 2019	Seismic	Certificati	on Limits:	S DS=	1.83 g z/	/h=1.0	l _P = 1.5
	E E	Dir	nensions	(in) 5	Weight			
Model Line	Model	Depth	Width	Height	(lb)	CG (in.)	Notes	UUT
	9PZXXXXX <mark>X XXX</mark> XXX	BV42M0	ha ²⁰ m	ad Aliaa	ari ···///			Extrap.
	9PZBBAY0 <mark>8 013</mark> 010	42	20	74	2246	3 2		7
	9PZXXXXX <mark>X XXX</mark> XXX	42	0620	2074				Interp.
	9PZABAE28 010010	42 ^E	32	74	3185	41		13
93PM IBC	9PZXXXXXX XXXXXX	42	32	74		` /		Interp.
33FM IDC	9PZABAE50 110010	42	32	74	4745	41		8
	9PZXXXXXX XXXXXX	42	40	74				Interp.
	9PZABAE50 L10010	42/	40	74 C	4841	41		9
	9PZXXXXXX XXXXXX	42	34	74				Interp.
	9PZUDBN54010010	42	34	74	5082	39		14
					L Complia			



1800524-CR-001 R4

Manufacturer:	Eaton	IBC Model Line Numbering TABLE 3.				
Model Line:	93PM IBC		IADEL 3.1			
Columns 1-3	Model Line	9PZ = 93PM Accessories				
		A = IBC-L				
		B = IBC-S				
		C = IBC-LH	A			
Column 4	Accessory	T = IBC-LW (300A breaker)				
		U = IBC-LHW (500A breaker)				
		V = IBC-LW (400A breaker)				
		W = IBC-SW				
		A = 50 kW (93PM)				
		B = 100 kW (93PM)				
		C = 150 kW (93PM)				
		D = 200 kW (93PM)				
Column 5	Associated UPS Model	E = 400 kW (93PM)				
	A	F = 60 kW (93PM-L) 405				
		G = 120 kW (93PM-L)				
		H=160 kW (93PM-L) Aliaari				
		J = 200 kW (93PM-L)				
Column 6	DC Voltage	A = 432 V B = 480 V				
	C.V	B37 = UPS12-400MR, 1/4 (M6) Lugs				
		E28 = HRL 12-280, 1/4 (M6) Lugs				
		E39 = PWR 12-390, 1/4 (M6) Lugs				
		E50 = PWR 12-500, 1/4 (M6) Lugs				
		E54 = HRL 12-540, 1/4 (M6) Lugs				
	0	H41 = ENERSYS XE95, 3/8 (M10) Lugs				
		N54 = NSB12-540, 1/4 (M6) Lugs				
		Y08 = NPX-80RFR, #10 (M5) Lugs				
Columns 7-9	Battery Type ¹	E20 = HRL-12-200 1/4 (M6) Lugs				
		001 = Empty Tray Assembly IBC-L, IBC-LW, 1/4 (M6) Lugs				
		002 = Empty Tray Assembly IBC-S				
		003 = Empty Tray Assembly IBC-LH, IBC-LW (N54), 1	/4 (M6) Lugs			
		004 = Emptry Tray Assembly IBC-LH, IBC-LW (H41), 3/8 (M10) Lugs				
		005 = Empty Tray Assembly IBC-LW (E54/B37/N54), 1/4 (M6) LUGS				
		006 = Empty Tray Assembly IBC-LW (H41), 3/8 (M10) Lugs				
		007 = Empty tray assy IBC-LH (B37/E54) 1/4 (M6) Lug	-			
		0 = Line and Match, no Sidecar				
	Remote/ Top Entry					
Column 10	Sidecar	L = Remote with Left Sidecar for Top Entry (IBC-L/LH only)				
		R = Remote with Right Sidecar for Top Entry (IBC-L/	•			
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Manufacturer:	Eaton	IBC Model Line Numbering	TABLE 3.1
Model Line:	93PM IBC		IADLE 3.1
		1 = 1 Cabinet	
		2 = 2 Cabinets	
		3 = 3 Cabinets	
Column 11	Number of Battery	4 = 4 Cabinets	
Columnit	Cabinets	5 = 5 Cabinets	
		6 = 6 Cabinets	
		7 = 7 Cabinets	
		8 = 8 Cabinets	
	N	0 = Single String	
Column 12	Number of Battery	2 = 2 Battery Strings (IBC-S only)	
	Strings	3 = 3 Battery Strings (IBC-S only)	
		0 = With Monitoring Tabs, Without Thermal Sens	sor
6.1		1 = Without Monitoring Tabs, Without Thermal S	Sensor
Column 13	Battery Monitoring	2 = With Monitoring Tabs, With Thermal Sensor	
		3 = W/Out Monitoring Tabs, With Thermal Senso	r
		0=Standardammad Aliaari	
	Structural	1 = OSHPD	
Column 14	Configuration ²	2 = UL924	
		3 = UL924/OSHPD	
Column 15	Generation Code	0 - 9 = Product Generation Codes	
		On Barris	
		ANA DE COT	
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Notes:	I	1	
	unit is shipped without b	atteries and they are installed onsite.	
	••	P, nothing has changed on the unit.	

1800524-CR-001 R4



Manufacturer: Model Line:	Eaton 93PM Uninterruptible	Power Sup	ply (UPS)		Table De	escription: Enclosures		TABLE 4
Building Code: CBC 2	019		Seismic	Certificatio	on Limits:	S _{DS} = 1.83 g z/h=1.0	$I_{P} = 1.5$	
Model Line	Model	Di	mension (in)	Weight	DE C Description	Note	s UUT
(Manufacturer)	Houer	Depth	Width	Height	(lb)		Hote	
		42	20	74	366	93PM SMALL IAC-T / IBC-S FRAME		5,6,7
		42	22	74	392	93PM STD UPS FRAME		1
		42	31	74	397	93PM IAC-D / LARGE IAC-T FRAME		10,11
		42	32	74	O 435 -	93PM LARGE UPS FRAME		Interp
		42	31.3	74	520	93PM-LIAC-B		Interp
		42	31.3		01540	93PM IAC-PD		Interp
		42	30	74	557	93PM STD UPS + SMALL SC FRAME		4
		42	37	74	679	93PM STD UPS + LARGE SC FRAME		Interp
		42	47	74 T	722	93PM LARGE UPS + LARGE SC FRAME		2,12
		42	32	74	856	93PM IBC-L FRAME		8,13
93PM		42	34	74	828	93PM Frame Asm, IBC-L Weld		Interp
(Eaton)	93PM Enclosures	42	40	074	1021	93PM IBC-L + SMALL SC FRAME		9
		42	64	74//	800	93PM 400 kVA capacity UPS (8UPM)		15
		42	34	74	993	93PM IBC-LHW Line & match		14
		42	22	74	495	93PM-L 60 kVA Frame		16
		42	30	74	667	93PM-L 60 kVA Frame w/ empty SC		Interp
		42	34.5	74	744	93PM-L 60 kVA Frame w/ MBS SC		Interp
		42	22	74	621	93PM-L 120 kVA Frame		Interp
		42	34.5	74	859	93PM-L 120 kVA Frame w/ empty SC		Interp
		42	34.5	74	870	93PM-L 120 kVA Frame w/ MBS SC		Interp
		42	34.5	74	732	93PM-L 160k VA frame		Interp
		42	43.3	74	859	93PM-L 200k VA frame		17

OSP-0405

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Page 25 of 47

1800524-CR-001 R4



Manufacturer: Model Line:	Eaton 93PM Uninterruptible Po	wer Supply (UPS)	Table Description: Electrical Components	s	TABLE	5
Building Code: CBC 2	2019	Seismic Certificati	on Limits: S _{DS} = 1.83 g z/h=1.0	I _P = 1.5		
Component Type	Manufacturer	Model	RCODEDescription	Not	tes	υυτ
		122950146	PDU PRL1 225A; Cu			11
Panel Board	Eaton	122950148	PDU PRL2A 225A; Cu			Interp.
		122950147	PDU PRL1 400A; Cu			11
		7 <mark>30-05</mark> 211	208V-4 Wire 20kW UPM			16,17
		7 <mark>33-D</mark> 2072	208V-4 Wire 20kW UPM			Interp.
		730-80505 _{RV} . N	480V-3 Wire 50kW UPM	New PCB layout, no	structural change	Interp.
Power Modules	Eaton	730-B1045	480V-3 Wire 50kW UPM			1,2,4
		7 <mark>33-82</mark> 035	480V-3 Wire 50kW UPM			Interp.
		7 <mark>44-A4</mark> 535	480V-4 Wire 50kW UPM			Interp.
		73 <mark>0-D005</mark> 7	480V-4 Wire 50kW UPM			12
		730-D0039	50kW STS; CS Frame; Al heat sink			1,4
		730-B1035	100kW STS; CS Frame; Al heat sink			Interp.
	Esta a	730-D0021	150kW/200kW STS; CS Frame; Al heat sink			12
Static Switches	Eaton	730-05213	93PM-L 60 kW STS			16
		730-05212	93PM-L 120 kW STS			Interp.
		730-05214	93PM-L 200 kW STS			17
		WPV50012	50 kVA, K1,TP1,480/208 Delta/WYE			10
		WPN50131	50 kVA, K13,Non TP1 480/208 Delta/WYE			Interp.
		WPN50132	50 kVA, K13,TP1 480/208 Delta/WYE			Interp.
Transformers	Eaton	WPV12011	100 kVA, K1, Non TP1,480/208 Delta/WYE			Interp.
		WPV12012	100 kVA, K1,TP1,480/208 Delta/WYE			Interp.
		WPN12132	100 kVA, K13, TP1 480/208 Delta/WYE			Interp.
		WPV49011	K1, Non TP1, 480/208 Delta/WYE			Interp.

1800524-CR-001 R4



Manufacturer: Model Line:	Eaton 93PM Uninterruptible F	-	on: Electrical Components	TABLE 5
Building Code: CBC 2	•	Seismic Certification Limits: S		
Component Type	Manufacturer	Model FOR CODED	Description	Notes UUT
		WPN49131 K13, Non TP1 480	0/208 Delta/WYE	Interp.
		WPV49012 K1, TP1, 480/208	3 Delta/WYE	Interp.
		WPN49132 K13, TP1 480/208	8 Delta/WYE	Interp.
Transformers	Eaton	WPV19011 K1, Non TP1, 480	0/208 Delta/WYE	Interp.
		WPN19131 K13, Non TP1 480	0/208 Delta/WYE	Interp.
		WPV19012 RV K1, TP1, 480/208	3 Delta/WYE	Interp.
		WPN19132 K13, TP1 480/208	8 Delta/WYE	11
		DILM17-10 (RDC60) K5 Contactor (50)KW); 1 lb	1,4
	F .	DILM115 (RDC60) K5 Contactor (10	00KW); 5 lbs	Interp.
Contactors	Eaton	DILM185A/22 (RDC60) K5 Contactor (15	50KW); 14 lbs	Interp.
		DILM250/22 (RDC48) K5 Contactor, (20	00kW); 17 lbs	12
			- DE	
		TN	C C O L	
		BUILDIN	0	

1800524-CR-001 R4



Manufacturer: Model Line:	Eaton 93PM Uninterruptible P	ower Supply (UPS)	Table Description: Batteries		TABLE 6
Building Code: CBC 2	019	Seismic Certificat	tion Limits: S _{DS} = 1.83 g z/h=1.0 I _F	. = 1.5	
Component Type	Manufacturer	Model	DRCODEDescription	Notes	UUT
		HR1227WFR	12V, 27 Watt (5Ah), VRLA; ABS hous.; 4.3 lbs		16
		PWRH1227W2FR	12V, 27 Watt (5Ah), VRLA; ABS hous.; 4.3 lbs		Interp
		PWHR1234W2FR	12V, 34 Watt (9Ah), VRLA; ABS hous.; 6 lbs		4
		HRL1234W2FR	12V, 34 Watt (9Ah), VRLA; ABS hous.; 6 lbs		Interp
		HR <mark>L122</mark> 80WFR	12V, 34 Watt (9Ah), VRLA; ABS hous.; 57 lbs		Interp
		PWHR12280W4FR v.	12V, 34 Watt (9Ah), VRLA; ABS hous.; 57 lbs		13
	CSB	HRL12330FR	12V, 280W; PP housing; 65 lbs		Interp
		HRL12390FR	12V, 390W; PP housing; 73 lbs		Interp
		PWHR12390W4FR	12 V, 100 Ah; PP housing; 74 lbs		Interp
		HRL12540WFR	12 V, 143 Ah; PP housing; 97 lbs		Interp
Batteries		PWHR12540WFR	12 V, 143 Ah; PP housing; 97 lbs		Interp
		HRL12500W	12V, 120 Ah; PP housing; 101 lbs		Interp
		PWHR12500W4FR	12 V, 120 Ah; PP housing; 101 lbs		8,9
		12HX300	12 V, 83 Ah; PP housing; 60 lbs		13
		12HX330	12 V, 82 Ah; PP housing; 71 lbs		Interp
		0790-6005-C0K00	12 V, 95 Ah; PP housing; 77 lbs		9
	ENERSYS	12HX400	12 V, 120 Ah; PP housing; 80 lbs		Interp
		12HX505	12 V, 506 Ah; PP housing; 103 lbs		Interp
		12HX540	12 V, 123 Ah; PP housing; 106 lbs		Interp
		12HX500	12 V, 506 Ah; PP housing; 110 lbs		13
	G.S. YUASA	NPX-80RFR	12 V, 20 Ah, VRLA; PP housing; 15 lbs		7
Dattorios	NORTHSTAR	NSB12540	12V, 125 Ah; PP housing; 98 lbs		9, 14
Batteries	C&D Dynasty	UPS12-300MR	12 V, 78 Ah; PP housing; 58 lbs		13

1800524-CR-001 R4



Manufacturer: Model Line:	Eaton 93PM Uninterruptible Po	wer Supply (UPS)	Table Description: Batteries		TABLE 6
Building Code: CBC 20)19	Seismic Certifico	ation Limits: S _{DS} = 1.83 g z/h=1.0	l _P = 1.5	
Component Type	Manufacturer	Model	FORCODEDescription	Not	tes UUT
		UPS12-350MR	12 V, 93.2 Ah; PP housing; 67 lbs		Interp.
Batteries	C&D Dynasty	UPS12-400MR	12 V, 100 Ah; PP housing; 80 lbs		Interp.
		UPS12-490MR	12 V, 134 Ah; PP housing; 100 lbs		13
		R	OSP-0405		
		BY	Mohammad Aliaari		
		DAT	re. 06/16/2020		
		S			
		0			
		(N			
			BUILDING		



Manufacturer: Model Line:	Eaton 93PM Uninterruptible F	Power Supply (UPS)	Table Description: Breakers		TABLE 7
Building Code: CBC 2	_P = 1.5				
Component Type	Manufacturer	Model	DRCODEDescription	Notes	UUT
		HFD3080L	FD-Frame, 3-pole, 80 A, 5 lbs		4
		FD	FD-Frame, 3-pole, 80-225 A, 5 lbs		Interp.
		HFD3110L	FD-Frame, 3-pole, 110 A, 5 lbs		1,4
		HFD4175ELA02S22	ED-Erame, 3-pole, 175 A, 5 lbs		4
		JG	JG-Frame, 3-pole, 80-250 A, 6 lbs		Interp.
		HJ <mark>GE31</mark> 25FAGC _{R V} .	JG-Frame, 3-pole, 125 A, 6 lbs		4
		HKDDC3300WA07S49	KD-Frame, 3-pole, 300 A, 12 lbs		13
Duralian		HKD3300W	KD-Frame, 3-pole, 300 A, 12 lbs		12
Breakers (Thermal Magnetic)	Eaton (CH)	*KD*	KD-Frame, 3-pole, 175-400 A, 12 lbs		Interp
(mermat magnetic)		HKD3400W	KD-Frame, 3-pole, 400 A, 12 lbs		12
		HLGE3300FAW	LG-Frame, 3-pole, 300 A, 16 lbs		6
		LG	LG-Frame, 3-pole, 300-600 A, 16 lbs		Interp
		LD	LD-Frame, 3-pole, 600 A, 20 lbs		Interp.
		MD	MD-Frame, 3-pole, 700 A, 29 lbs		Interp.
		ND	ND-Frame, 3-pole, 1200 A, 45 lbs		Interp.
		NG	NG-Frame, 3-pole, 800-1200 A, 45 lbs		Interp.
		HNGS312032MC	NG-Frame, 3-pole, 1200 A, 45 lbs		6
	•	nich identify configuration, m d construction as the tested	anufacturer, materials, and breaker rating. Interpola	ited items have the	same manufacturer,



1anufact 1odel Lin		starruptible Dower Supply /11	וחכ				
UUT	Unit Description	nterruptible Power Supply (U Report Number	Testing Laboratory	F _p /W _p	S _{DS}	z/h	I _P
1	93 PM 50kVA Capacity UPS (1 UPM)	71589 RevA	Wyle Laboratories	1.72 1.08	2.39	1 0	1.5
2	93 PM 200kVA Capacity UPS (4 UPM)	71589 RevA	Wyle Laboratories	1.72 1.08	2.39	1	1.5
4	93 PM 50kVA Capacity UPS (1 UPM)	71589 RevA	Wyle Laboratories	1.72 1.08	2.39	1	1.5
5	93 PM 50kVA External Redundant IAC-T	71589 RevA DE C	Wyle O Laboratories	1.32 0.82	1.83	1	1.5
6	93 PM 200kVA External Capacity IAC-T	71589 RevA	Wyle Laboratories	1.32 0.82	1.83	1	1.5
7	93 PM 100kVA IBC-5	71589 RevA 0405	Wyle Laboratories	1.32 0.82	1.83	1	1.5
8	93 PM 100kVA IBC-L	71589 RevA	Wyle A Laboratories	1.32 0.82	1.83	1	1.5
9	93 PM 100kVA IBC-L	71589 RevA	Wyle Laboratories	1.32 0.82	1.83	1 0	1.5
10	93 PM 50kVA IAC-D	71589 RevA	Wyle Laboratories	1.32 0.82	1.83	1	1.5
11	93 PM 200kVA IAC-D	71589 RevA	Wyle Laboratories	1.32 0.82	1.83	1	1.5
12	93 PM 200kVA Capacity UPS (4 UPM)	174-9243708-000 NG	AREVA Inc.	1.8 1.13	2.5	1	1.5
13	93 PM 100kVA IBC-L	174-9243708-000	AREVA Inc.	1.65 1.03	2.29	1	1.5
14	93PM 200 kVA IBC-LHW	JID 16-00773 Rev1	Clark Testing	1.44 1.44	2.00 3.20	1	1.5
15	93 PM 400 kVA UPS (8 UPM)	JID 16-00773 Rev1	Clark Testing	1.44 1.44	2.00 3.20	1 0	1.5
16	93PM-L-60kVA (3 UPM)	JID 19-00067 Rev3	Clark Testing	1.32 0.82	1.83	1 0	1.5
17	93PM-L-200kVA (10 UPM)	JID 19-00067 Rev3	Clark Testing	1.32 0.82	1.83	1 0	1.5

1800524-CR-001 R4



todel Number: N/A Serial Number: N/A roduct Construction Summary: owder coated carbon steel framing Pptions/Subcomponent Summary: OkVA Capacity UPS (1 UPM), no Batteries, no Sidecar. Frame (Eaton), Seismic Kit (Eaton), Power Module (Eaton), FD3110L reaker (Eaton), MBS Switch (Sontheimer), Static Switch (Eaton), Contactor (Eaton) UUT Properties Weight Dimension (in) Lowest Natural Frequency (Hz) (Ib) Depth Width Height Front-Back Side-Side Vertical 686 42 22 74 13.0 10.5 >33 UUT Highest Possed Seismic Run Information Building Code Test Criteria Sos (g) Z/h Ip Ansart (g) A	Manufacturer:	Eaton									1
Worder Coated Carbon steel framing Options/Subcomponent Summary: OkVA Capacity UPS (1 UPM), no Batteries, no Sidecar. Frame (Eaton), Seismic Kit (Eaton), Power Module (Eaton), FD3110L ireaker (Eaton), MBS Switch (Sontheimer), Static Switch (Eaton), Contactor (Eaton) UUT Properties UUT Properties Weight Lowest Natural Frequency (Hz) UI Depth Width Height O Front-Back Side-Side Vertical 686 42 22 74 13.0 10.5 >33 UUT Highest Possed Seismic Run Information Building Code Test Criteria Soc (g) z/h Ancu (g) Ancu (g) CLES ACL56 (2015) 12.89 1.0 1.5 3.82 2.87 1.6 0.64 est Criteria Soc (g) z/h Ip Arcu (g) CLES ACL56 (2015) 12.89 1.0 1.5 3.82 2.87 1.6 0.64 est Criteria Soc (g) z/h is an colspan="2" an	Model Line:	93PM Unir	nterruptible Power	Supply (UF	PS)				Ľ		T -
bounder coated carbon steel framing Prions/Subcomponent Summary: OkVA Capacity UPS (1 UPM), no Batteries, no Sidecar. Frame (Eaton), Seismic Kit (Eaton), Power Module (Eaton), FD3110L treaker (Eaton), MBS Switch (Sontheimer), Static Switch (Eaton), Contactor (Eaton) VUT Properties Weight Dimension (in) Lowest Natural Frequency (Hz) (U) Depth Vertical 686 42 22 74 13.0 10.5 >33 UUT Highest Possed Seismic Run Information Building Code Test Criteria Sos (g) Z/h lp Ansen (g) Ansen (g) Ansen (g) Ansen (g) CBC 2019 ICC-ES AC156 (2015) 239 1.0 1.5 3.82 2.87 1.6 0.64 est Mounting Details: For the Summary of the steel floor members using (8) 1/2" Grade 5 bolts. The steel floor members were welded to the	Model Number:	9PA05D02	20A01R1			Serial Nu	ımber:	N/A			
Provide service of the service of th	Product Construc	tion Summary:									
OkVA Capacity UPS (1 UPM), no Batteries, no Sidecar. Frame (Eaton), Seismic Kit (Eaton), Power Module (Eaton), FD3110L UUT Properties UUT Properties Weight Dimension (in) Lowest Natural Frequency (Hz) (b) Depth Width Height Front-Back Side-Side Vertical 686 42 22 74 13.0 10.5 >33 UUT Highest Passed Seismic Run Information Building Code Test Criteria Sps (g) z/h lp Amexn(g) Ame	Powder coated ca	arbon steel frami	ing								
OkVA Capacity UPS (1 UPM), no Batteries, no Sidecar. Frame (Eaton), Seismic Kit (Eaton), Power Module (Eaton), FD3110L UUT Properties UUT Properties Weight Dimension (in) Lowest Natural Frequency (Hz) (b) Depth Width Height Front-Back Side-Side Vertical 686 42 22 74 13.0 10.5 >33 UUT Highest Passed Seismic Run Information Building Code Test Criteria 505 (g) 2/h In Amc.nt (g)	Ontions/Subcom	nonent Summar	·V•								
ireaker (Eaton), MBS Switch (Sontheimer), Static Switch (Eaton), Contactor (Eaton) UUT Properties Veight Dimension (in) Lowest Natural Frequency (Hz) (lb) Depth Width Height Front-Back Side-Side Vertical 686 42 22 74 13.0 10.5 >33 UUT Highest Passed Seismic Run Information Building Code Test Criteria Sos (g) Z/h lp Ancew (g) Ancew (g) Ancew (g) CBC 2019 ICC-ES AC156 (2015) / 2.89 1.0 1.5 3.82 2.87 1.6 0.64 rest Mounting Details:			-	r. Frame (E	aton). Seisr	nic Kit (E	aton). Po	ower Modu	ule (Eator). FD311(DL
UUT Properties Weight (b) Dimension (in) Lowest Natural Frequency (Hz) 686 42 22 74 13.0 10.5 >33 UUT Highest Passed Seismic Run Information Building Code Test Criteria Sps (g) Z/h Ip Artx+1(g) Artac+1(g) Artac+1(g	Breaker (Eaton), I	MBS Switch (Son									
Weight (lb) Dimension (in) Lowest Natural Frequency (Hz) 066 42 22 74 13.0 10.5 >33 UUT Highest Passed Seismic Run Information Building Code Test Criteria Sps (g) z/h Ip AFLXH (g)			EN'				4				
(b) Depth Width Height O Front-Back Side-Side Vertical 686 42 22 74 13.0 10.5 >33 UUT Highest Passed Seismic Run Information Building Code Test Criteria Sps (g) Z/h Ip Arc.x+(g) Arc.x+(g) Arc.x+(g) Arc.x-(g) Arc.y-(g)	Weight		Dimension (in		operate		Lowes	t Natural	Frequen	cv (Hz)	
686 42 22 74 13.0 10.5 >33 UUT Highest Passed Seismic Run Information Building Code Test Criteria Sps (g) Z/h Ip Artx+t (g) Artx+t(g) Artx+t (g) Artx+t (g)	-	Depth			eight 05	Front				<u> </u>	tical
Building Code Test Criteria Sps (g) Z/h Ip AFLX+H (g)	686	-	22		-	13	3.0	10).5	>	33
CBC 2019 ICC-ES AC156 (2015) / 2.39 1.0 1.5 3.82 2.87 1.6 0.64 rest Mounting Details: (Font & Back) (Font & Back) (Font & Back) (2015) / 2.39 1.0 1.5 3.82 2.87 1.6 0.64 (Font & Back) (Font & Back) (Jont & Jont & Back) (Jont & Jont & Back) (Jont & Jont & Jon	₽		UUT Highe	st Passed S	eismic Run	Informa	tion				
est Mounting Details:	Buildir	g Code	Test Crit	eria	S _{DS} (g)	z/h		A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g
the UUT was rigid mounted to steel floor members using (8) 1/2" Grade 5 bolts. The steel floor members were welded to the	CBC	2019	ICC-ES AC15	6(2015))/	16/2.3920	1.0	1.5	3.82	2.87	1.6	0.64
he UUT was rigid mounted to steel floor members using (8) 1/2" Grade 5 bolts. The steel floor members were welded to the	Test Mounting De	etails:		BUI	1103 [43.4 LDING 23 [.9		[1.7]	[14.4]	4	SAE Grade	5
hake table.	The UUT was rigid	d mounted to ste	eel floor members u	using (8) 1/2	2" Grade 5 b	olts. The	_	, .,	ers were v	welded to	o the
Init maintained structural integrity and remained functional per manufacturer requirement after shake table test	shake table.										

1800524-CR-001 R4



Manufacturer:	Eaton								1117	ົ
Model Line:	93PM Unir	nterruptible Power	Supply (U	PS)					JUT	2
Model Number:	9PV20D00	29F20R1			Serial Nu	ımber:	N/A			
Product Construc	-									
Powder coated ca	rbon steel fram	ing								
Options/Subcom	onent Summar	ry:								
		Bkr MBS Sidecar. F	rame (Eato	on), Seismic	Kit (Eatoi	n), Powei	r Module ((Eaton), S	tatic Swit	tch
(Eaton), Contacto	r (Eaton), KD340	00W, KD3300W Brea	akers (Eato	n)						
			-OR C	ODF						
		ED	FOR	ODEC	MS					
		L'NL		roperties						
Weight		Dimension (in		Toperacs		Lowes	t Natural	Frequer	icy (Hz)	
(lb)	Depth	Width		eight 05	Front	-Back	1	-Side	1	tical
1774	42	46.7		74	1	4	12	2.2		32
		UUT Highe	st Passed	Seismic Run	Informa	tion				
Buildin	g Code	Test Crit	teria	S _{DS} (g)	z/h	I _P O	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (
CBC	2019	ICC-ES AC15	6 (2015) /	16/2.3920	1.0	1.5	3.82	2.87	1.6	0.64
Test Mounting De	tails:			+		2				
The second secon			126 [44.3]			2/			-	
		Op!	103 [43,4]				- · ·		6x 1/	2" Bolts.
	Statement of the local division of the		103 [43,43 1/A BU	JING	C				SAE	Grade 5 t & Back)
			· BU	LUINC						
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				8		•	••••	ŀ	•	
н	-					•	•		•	
			23 [.9]			•	<u> </u>		,	
			0 [.0]				U	<u></u>		
1							FRONT	[[_	
				0[.	316 [12.4 429.5 [16.	[22.8]		[38.6	46.7	
				23	.2 6	5		• 5 [9.5	186	
-/					31	6		6 2		
1					31	579.		979.	=	
		eel floor members o	using (12) 1	12" Grada E	-	20	oormom	6 –		to the

1800524-CR-001 R4



Batteries (CSB) UUT Properties Weight Dimension (in) Lowest Natural Frequency (Hz) (lb) Depth Width Height Front-Back Side-Side Vertical 2178 42 30 74 13 7.8 > 33.3 UUT Highest Passed Seismic Run Information Building Code Test Criteria Sps (g) Z/h Ip AFLX+R (g) ARIG-R (g) ARIG-R (g) ARIG-R (g) CBC 2019 ICC-ES ACL56 (2015) 2.39 1.0 1.5 3.82 2.87 1.6 0.64	Manufacturer:	Eaton							.		л				
Product Construction Summary: Powder coated carbon steel framing Options/Subcomponent Summary: SOKVA Capacity UPS (1 UPM) with Batteries + Tie / Bypass Sidecar. Frame (Eaton), Seismic Kit (Eaton), Power Module (Eaton), FD4175ELA02SS22, FD3110L, JGE3125FAGC Breakers (Eaton), MBS Switch (Sontheimer), Static Switch (Eaton), Contactor (Eator Batteries (CSB) UUT Properties Weight Dimension (in) Lowest Natural Frequency (Hz) (Ib) Depth Width Front-Back Side-Side Vertical 2178 42 30 74 13 7.8 > 33.3 UUT Highest Passed Seismic Run Information Building Code Test Criteria Sos (g) Z/h Ip Areas (g) Ancer (g) An	Model Line:	93PM Unir	nterruptible Power S	upply (UF	PS)						4				
Powder coated carbon steel framing	Model Number:	9PA05D60	29L00R1			Serial Ni	umber:	N/A							
Options/Subcomponent Summary: SokVA Capacity UPS (1 UPM) with Batteries + Tie / Bypass Sidecar. Frame (Eaton), Seismic Kit (Eaton), Power Module (Eaton), FP0475EL002S522, FD3110L, JGE3125FAGC Breakers (Eaton), MBS Switch (Sontheimer), Static Switch (Eaton), Contactor (Eator Batteries (CSB) UUT Properties UUT Properties UUT Properties UUT Properties UUT Highest Possed Seismic Run Information 2178 A 2 30 74 13 7.8 > 33.3 UUT Highest Possed Seismic Run Information Building Code Test Criteria So (g) Z/h IP Ane.vd Test Mounting Details: OUT Fight Colspan="2" Colspan="2">Colspan="2" Colspan="2" Colspa=	Product Construct	ion Summary:													
SökVA Capacity UPS (1 UPM) with Batteries + Tie / Bypass Sidecar. Frame (Eaton), Seismic Kit (Eaton), Power Module (Eaton), FD4175ELA02SS22, FD3110L, JGE3125FAGC Breakers (Eaton), MBS Switch (Sontheimer), Static Switch (Eaton), Contactor (Eator Batteries (CSB) UUT Properties Weight Dimension (in) Lowest Natural Frequency (Hz) (lb) Depth Width Height Front-Back Side-Side Vertical 2178 42 30 7.8 > 33.3 UUT Highest Passed Seismic Run Information Building Code Test Criteria Sos (g) Z/h lp Arickn (g) Arickn (Powder coated ca	bon steel frami	ing												
UT Properties UUT Properties Weight Lowest Natural Frequency (Hz) (Ib) Depth Width Height Covest Natural Frequency (Hz) UUT Properties Weight Lowest Natural Frequency (Hz) (Ib) Depth Width Height Covest Natural Frequency (Hz) UUT Highest Passed Seismic Run Information Building Code Test Criteria Sps (g) 2/h Ip Aruxy (g) Assocy (g) Assocy (g) CBC 2019 ICC-ES Ac156 (2015) 2 (s) 2 (s) St 27 Bolts St Mounting Details: If is is if	Options/Subcomp	onent Summar	<i>y</i> :												
UUT Properties Weight (lb) Dimension (in) Lowest Natural Frequency (Hz) 2178 42 30 74 13 7.8 >33.3 UUT Highest Passed Seismic Run Information Building Code Test Criteria Sps (g) Z/h Ip AFILX-N (g) AFILX-N (g) <th< td=""><td>50kVA Capacity UP</td><td>S (1 UPM) with</td><td>Batteries + Tie / Byp</td><td>ass Sidec</td><td>ar. Frame (E</td><td>aton), Se</td><td>eismic Kit</td><td>: (Eaton), I</td><td>Power Mo</td><td>odule (Eat</td><td>:on),</td></th<>	50kVA Capacity UP	S (1 UPM) with	Batteries + Tie / Byp	ass Sidec	ar. Frame (E	aton), Se	eismic Kit	: (Eaton), I	Power Mo	odule (Eat	:on),				
Weight (lb) Dimension (in) Lowest Natural Frequency (Hz) 2178 42 30 74 13 7.8 >33.3 UUT Highest Passed Seismic Run Information Building Code Test Criteria Sp5 (g) Z/h Ip ARICH (g)		, FD3110L, JGE3		ORC	ODEC		ner), Stat	IC SWITCH	(Eaton), (Lontactor	(Eaton)				
(b) Depth Width Height Front-Back Side-Side Vertical 2178 42 30 74 13 7.8 > 33.3 UUT Highest Passed Seismic Run Information Building Code Test Criteria Sp5 (g) Z/h Ip AFLX.H (g) ARIG.H (g) AFLX.V (g) ARIG.V (g) CBC 2019 ICC-ES AC.156 (2015) 2.39 1.0 1.5 3.82 2.87 1.6 0.64 Test Mounting Details: Fig. 1ct 4.1 Visc 1ct 4.1 <td 1ct="" 4.1<="" <="" colspan="4" td="" visc=""><td>Weight</td><td></td><td>Dimension (in)</td><td>UUTPI</td><td>operties</td><td></td><td>Lowes</td><td>t Natural</td><td>Frequen</td><td>cv (Hz)</td><td></td></td>	<td>Weight</td> <td></td> <td>Dimension (in)</td> <td>UUTPI</td> <td>operties</td> <td></td> <td>Lowes</td> <td>t Natural</td> <td>Frequen</td> <td>cv (Hz)</td> <td></td>				Weight		Dimension (in)	UUTPI	operties		Lowes	t Natural	Frequen	cv (Hz)	
2178 42 30 74 13 7.8 > 33.3 UUT Highest Passed Seismic Run Information Building Code Test Criteria Sps (g) Z/h Ip A _{FLX+H} (g) A _{RIG+H} (g) A _{FLX-W} (g) A _{RIG-V} (g) CBC 2019 ICC-ES AC156 (2015) / 1 2.39 1.0 1.5 3.82 2.87 1.6 0.64 Test Mounting Details: Fig. (4.4) OUT Highest Passed Seismic Run Information CBC 2019 ICC-ES AC156 (2015) / 1 2.39 1.0 1.5 3.82 2.87 1.6 0.64 Test Mounting Details: OUT	-	Denth		IOSE	ight 0.5	Eront		r			tical				
UUT Highest Passed Seismic Run Information Building Code Test Criteria Sps (g) z/h Ip AFLX-H (g) AFLX-H (g) </td <td></td> <td>-</td> <td></td> <td></td> <td>-</td> <td>70</td> <td>A A A A A A A A A A A A A A A A A A A</td> <td></td> <td></td> <td></td> <td></td>		-			-	70	A A A A A A A A A A A A A A A A A A A								
Building Code Test Criteria S _{DS} (g) Z/h IP A _{FLX-H} (g) A _{RIG-H} (g) A _{FLX-V} (g) A _{RIG-V} (g) CBC 2019 ICC-ES AC156 (2015)/1 2.39 1.0 1.5 3.82 2.87 1.6 0.64 Test Mounting Details: ICC-ES AC156 (2015)/1 2.39 1.0 1.5 3.82 2.87 1.6 0.64	2110	12					XXX444		.0		5.5				
CBC 2019 ICC-ES AC156 (2015) / 1 / 2.39 I.0 I.5 3.82 2.87 I.6 0.64 Test Mounting Details:	Building	Code						A	A	A(g)	Angula				
1/2 1/4.3 1/3 1/3 1/3 1/3 1/3 1/4.3 1/3 1/4.3 1/3 1/4.4 1/3 1/4.4 1/3 1/4.4 1/3 1/4.4 1/3 1/4.4 1/3 1/4.4 1/3 1/4.4 1/3 1/4.4 1/3 1/4.4 1/4	•										0.64				
22. 5 [2] 150. 5 [5] 150. 5 [16] 158. [22] 168 [22] 168 [22]						150.5 [3, 9]	FRONT	127.	SAE G	ade 5					

1800524-CR-001 R4



Model Line:	Eaton									-
Model Line:	93 PM IAC								JUT	5
Model Number:	9PZMAA00	0000010		9	Serial Nu	mber:	N/A			
Product Constru	ction Summary:									
Powder coated c	arbon steel fram	ing								
Options/Subcom	ponent Summai	<i>'V</i> :								
	=	2 Bkr. Frame (Eaton), Seismic Kit	t (Eaton),	FD3080 E	Breakers	(Eaton)			
			ORCO	DEC	2.					
		NED	FORCO		MS,					
		L'	UUT Prop			Z.				
Weight		Dimension (in)				Lowes	t Natural	Frequen	cy (Hz)	
(lb)	Depth	Width	OSHeig	;h t 105	Front	Back	Side	Side	Ver	tical
404	42	19.7	74)///	7.	.9	2	4
		UUT Highes	t Passed Seis	smic Run	Informat	tion		-	T	
Buildi	ng Code	Test Crite	eria	S _{DS} (g)	z/h	I _P O	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g
CBC	2019	ICC-ES AC156	(2015)6/16	6/2.8320	1.0	1.5	2.93	2.2	1.23	0.49
Test Mounting D	etails:		+	ł		2				
-	+					2				
			112	6 £44.31			4	x 1/2" Bolts,		
		EAN YAN		13 [43.4]						
		ETH TA	ABIII	DING	COIL		s s	AE Grade 5 ront & Back)		
	The second s	EAN CORN	ABUIL	DING	CO I		s s	AE Grade 5 ront & Back)		
			ABUIL	DING			s s	AE Grade 5 ront & Back)		
			A BUIL	DING			s s	AE Grade 5 ront & Back)		
			A BUIL	DING			s s	AE Grade 5 ront & Back)		
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			A BUIL	23 (.9) 0 (.0)		FRONT	S (F	AE Grade 5 ront & Back)		
			A BUIL					AE Grade 5 ront & Back)		
			A BUIL		1.2.	[7.3] [7.3] - [2.4] [12.4] -	s (1) (1) (1) (1) (1) (1) (1) (1)	AE Grade 5 ront & Back)		
			A BUIL		36.5 (2.2) (2.2) (2.2)	[7.3] [7.3] - [12 4] [12 4] -	s⊫	AE Grade 5 ront & Back)		
			A BUIL		1.2.	[7.3] [7.3] - [12 4] [12 4] -	s (1) (1) (1) (1) (1) (1) (1) (1)	AE Grade 5 ront & Back)		

The UUT was rigid mounted to steel floor members using (8) 1/2" Grade 5 bolts. The steel floor members were welded to the shake table.

1800524-CR-001 R4



Manufacturer:	Eaton							.		6
Model Line:	93 PM IAC								JUT	Ø
Model Number:	9PZMDF20	0000010			Serial Nu	mber:	N/A			
Product Construe	ction Summary:									
Powder coated ca	arbon steel framii	ng								
• •	ponent Summary									
	Capacity IAC-T, 4 I	3kr + MIS, MBP. Fram	e (Eaton)	, Seismic K	it (Eaton), LGE33	DOFAW, NO	GS312032	MC Break	ers
(Eaton)										
			RC	ODFA						
		OF		ODE C	ON					
		NE								
_			UUT Pr	operties		Z				
Weight		Dimension (in)	000	0405			t Natural			
(lb)	Depth	🗸 Width		ight 05		-Back		-Side		tical
726	42	19.7		74	9.		5	.5	>3	3.3
		UUT Highest I						r		-
Buildir	ng Code	Test Criteri	ia	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g
CBC	2019	ICC-ES AC156 (2	20156/1	6/1.8320	1.0	1.5	2.93	2.2	1.23	0.49
Test Mounting De	etails:	T				5				
					L.					
		C D		1126 [44.3] - 1103 [43.4] -				4x 1/2" Bolts,		
			4 RIII	DING				SAE Grade 5 (Front & Back)		
		P	DUI]		ļſ			
					ľ					
	1 1 1 1				1		Įζ			
					ľ	-				
					°		Ľ			
	Not on the	2		23 [.9] -						
		de -		0 [.0]-		FRONT				
9	The second second	XS P			[0]	[]	[12.4] [17.5] [19.7]			
14	· ·	1 and 1			0	56.5 [2.2] 185 [7.3]	1 [4] [7] [4] [4] [4] [4] [4] [4] [4] [4] [4] [4			
21		5-2 23				6.5 [185 [315 [12.4] 443.5 [17.5] 500 [19.7]			
						\$	31 50 50			
he UUT was rigi	d mounted to stee	el floor members usir	ng (8) 1/2	" Grade 5 b	olts. The	steel flo	or membe	ers were v	velded to	the

The UUT was rigid mounted to steel floor members using (8) 1/2" Grade 5 bolts. The steel floor members were welded to the shake table.

1800524-CR-001 R4



Model Line:	Eaton								1117	7
	93 PM IBC							Ľ	JUT	
Model Number	9PZBBAY0	8013010			Serial Nu	mber:	N/A			
	ruction Summary:									
Powder coated	carbon steel frami	ng								
<u> </u>										
-	mponent Summary	y: e (Eaton), Seismic Kit	(Eaton) H		MAN7549	Broakor	(Eaton) E	Rattorios (I		al
10067410C-3,1	ine & Match. Frame	e (Laton), Seisinic Kit	(Laton), i	INDC3300V	VA01345	Dieakei	(Laton), L	batteries (0. <i>3</i> . Tuas	a)
			200							
		aF	OKU	DDEC	21.					
		NED			MS,					
			UUT Pro	operties		7				
Weight		Dimension (in)				Lowes	t Natural	Frequen	cy (Hz)	
(lb)	Depth	Width	OSHei	ght 05	Front-Back		Side-Side		Vertical	
2246	42	19.7	7	4	1	10 5 22				2
		UUT Highest	Passed Se	ismic Run	Informa	tion				
Build	ling Code	C Test Criter	ria	S _{DS} (g)	z/h	I _P O	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (
						1 5	2.93	2.2	1 22	
CE	3C 2019	ICC-ES AC156	(20156/1)	6/1.8320	1.0	1.5	L 2.93	Z.Z	1.23	0.49
	3C 2019	ICC-ES AC156 ((2015)5/1	6/1.8320	1.0	1.5	2.93	2.2	1.23	0.49
CE Test Mounting		ICC-ES AC156	(20156/1	6/1.8320	1.0	1.5	2.93	2.2	1.23	0.49
		AT CON		1126 444.31 - 1103 444.41 -	1.0	2	2.93	4x 1/2" Bolts.	1.23	0.49
		AT CON		0/1.8320	1.0	1.5			1.23	0.49
		A CON	(20156/1 4 BUIL	0/1.8320	1.0	1.5		4x 1/2" Bolts, SAE Grade 5	1.23	0.49
		A CON		11.26 (44.3) - 1103 (43.4) - DING	1.0	1.5 2 2 2		4x 1/2" Bolts, SAE Grade 5	1.23	0.49
		A CON		0/1.8320		1.5		4x 1/2" Bolts, SAE Grade 5	1.23	0.49
		A CON		1126 444 31 - 1103 444 41 - DING	1.0	1.5		4x 1/2" Bolts, SAE Grade 5	1.23	0.49
		A CON		1126 (44.3) 1103 (43.4) DING 23 (.9) -				4x 1/2" Bolts, SAE Grade 5	1.23	0.49
		A CON		1126 444 31 1103 444 41 DING		FRONT		4x 1/2" Bolts, SAE Grade 5	1.23	0.49
		A CON		1126 (44.3) 1103 (43.4) DING 23 (.9) -		FRONT		4x 1/2" Bolts, SAE Grade 5	1.23	0.49
		A CON		1126 (44.3) 1103 (43.4) DING 23 (.9) -		FRONT		4x 1/2" Bolts, SAE Grade 5	1.23	0.49
		A CON		1126 (44.3) 1103 (43.4) DING 23 (.9) -		FRONT		4x 1/2" Bolts, SAE Grade 5	1.23	0.49
		A CON		1126 (44.3) 1103 (43.4) DING 23 (.9) -		FRONT		4x 1/2" Bolts, SAE Grade 5	1.23	0.49

The UUT was rigid mounted to steel floor members using (8) 1/2" Grade 5 bolts. The steel floor members were welded to the shake table.

1800524-CR-001 R4



Manufacturer:	Eaton									~
Model Line:	93 PM IBC								JUT	8
Model Number:	9PZABAE5	50010010			Serial Nu	mber:	N/A			
Product Construc	tion Summary:									
Powder coated ca	arbon steel fram	ing								
Options/Subcom	nonent Summai	~ ··								
• • •		e (Eaton), Seismic Kit	t (Eaton), H	IKDC3300\	WA07S49	Breaker	(Eaton), B	atteries (CSB)	
		- (/)	(<i>)</i> /				(/)		/	
			ORCO	DEA						
		EDF	ORCO		OMS					
		L'NL	~~	operties						
Weight		Dimension (in)	UUTPIC	opercies		Lowes	t Natural	Frequen	cv (Hz)	
(lb)	Depth	Width	OSHei	ight 05			Natural Frequency (Hz) Side-Side Ver		tical	
4745	42	32.2		<u> </u>	ui	0	4	.7	2	21
		UUT Highest	Passed Se	ismic Run	Informa	tion				
Buildin	g Code	Test Criter	ria	S _{DS} (g)	z/h	I _P O	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC	2019	ICC-ES AC156	(2015)6/1	6/2.8320	1.0	1.5	2.93	2.2	1.23	0.49
Test Mounting De	tails:	2				2				
		Y I				2				
					OF	1				
			ARI	1126 [44.3] 1103 [43.4]	<u> </u>			4x 1/2" Bolts,		
			JUI					SAE Grade 5 (Front & Back)		
	-				ŀ	•)			
						¢	1			
				23 [.9]						
		5115		0 [.0]		FRONT				
					0 [.(1.6]	[29.7] 9 [32.2			
	0				64.	94.5 [524.	754.5			
						63				
he UUT was rigio	d mounted to ste	eel floor members us	ing (8) 1/2'	' Grade 5 b	olts. The	steel flo	or membe	ers were v	velded to	the

The UUT was rigid mounted to steel floor members using (8) 1/2" Grade 5 bolts. The steel floor members were welded to the shake table.

1800524-CR-001 R4



Manufacturer:	Eaton							JUT	9
Model Line:	93PM IBC				_				J
Model Number:		0L10010		Serial Nu	mber:	N/A			
	uction Summary:								
Powder coated	carbon steel frami	ing							
Ontions/Subco	nponent Summar	V.							
	=		n), Seismic Kit (Eator). HKDC33	00WA07	S49 Break	er (Eaton). Batteri	es (CSB
Northstar / Ene			.,,	,,		0.0 2.04.		,,	
			D CODE						
			FORCODEC	On					
		NED							
			UUT Properties		7,				
Weight		Dimension (in)			Lowes	st Natural	Frequen	cy (Hz)	
(lb)	Depth	Width	OSHeight 05	Front-Back		Side-Side		de-Side Vertica	
4841	42	40.2	74	5.7		2	22		
		UUT Highes	t Passed Seismic Ru	n Informat	ion			1	
Build	ing Code	Test Crite	eria S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (
CB	C 2019	ICC-ES AC156	(2015)6/16/2.832	1.0	1.5	2.93	2.2	1.23	0.49
					$\overline{\langle \alpha \rangle}$				
Test Mounting	Details:	T			0				
a ser			1125 144.33						
			1103 [43.4]	COV		•		6x 1/2" B SAE Gra	de 5
Real Property			ABUILDING				e	(Front & E	заск)
a case						•	•		
							-		
	Constant of the	and the second s				•			
				ľ		1	۰Ľ		
		ETT. MILL	23 [.9]			•			
Q	E SI	_Z	0 [.0]			FRONT			
				52.5 [2.1]- 52.5 [2.1]- 170 [6.7] 261.5 [10.3]		[[28.7]	[37.9] - [40.2] -		
2		EZON, MARK		0 5 [2] 70 5 [1]	· ·		[40		
							43 (5)		
				52.5 17(261.5	105	129.	963.5 1022		

The UUT was rigid mounted to steel floor members using (12) 1/2" Grade 5 bolts. The steel floor members were welded to the shake table.

1800524-CR-001 R4



Manufacturer:	Eaton								•		
Model Line:	93 PM IAC						U	UT 1	.0		
Model Number:	9PZD1H00	0000011		Serial N	umber:	N/A					
Product Constru	ction Summary:										
Powder coated c	arbon steel frami	ing									
Options/Subcom	ponent Summar	ry:									
50kVA IAC-D, 480	Vin / 208 Vout. Fr	rame (Eaton), Seism	ic Kit (Eaton), HF	3080L, HKD	03175W Bi	reakers (E	aton), Tra	ansforme	r (Eaton)		
			ODCODE								
			ORCODE	CON							
		NED									
			UUT Propertie	s	7						
Weight		Dimension (in)			Lowes	t Natural	Frequen	cy (Hz)			
(lb)	Depth	Width	OSHeight (5 Fron			Side-Side		le-Side Vertic		tical
1105	42	31.3	74		WWWWW11/// 7.9			22			
		UUT Highes	t Passed Seismic I	Run Informa	ation						
Buildi	ng Code	Test Crite	eria S _{DS} (g) z/h	I _P O	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g		
CRC	2019	ICC-ES AC156	(2015)6/16/2.8	20 1.0	1.5	2.93	2.2	1.23	0.49		
СВС	2019	ICC-LS ACISO	<u>12013D/ 10/ 1.6</u>	20 1.0	1.5	2.95	2.2	1.25	0.49		
Test Mounting D	etails:	C-	*		2						
	1	- In	1126 [44.3] -	-	2		—				
			1105 [43.5] -					4x 1/2" Bolts			
			ABUILDIN	GC	P 🛒	<u> </u>		SAE Grade 5 (Front & Back			
	**		BUILDIN			0					
<u> </u>				ţ.							
				•			e				
						0					
	44					·	· [
				1			7				
		a b	21 [.8]-				. • * •				
			0 [.0]-		FRO	NT .					
-	÷*			0 [.0] [4.0]-	[11.2]	[20.1]	[5]				
		12.00		0 5 [4		5 [2	2.5 [21.3] 795 [31.3]				
		A REAL PROPERTY AND A REAL									
				102.1		510.5	692.5 [27.3] 795 [31.3]				

The UUT was rigid mounted to steel floor members using (8) 1/2" Grade 5 bolts. The steel floor members were welded to the shake table.

1800524-CR-001 R4



Manufacturer:	Eaton								1
Aodel Line:	93 PM IAC						U	UT 1	L.
Model Number:	9PZG4SB	C0001011		Serial Nu	umber:	N/A			
Product Construe	-								
Powder coated ca	arbon steel fram	ing							
Options/Subcom		-							
200kVA IAC-D, 480) Vin / 208 Vout.	Frame (Eaton), Seism	nic Kit (Eaton), FD322	25, KD340	0F Break	kers (Eaton), Transfo	ormer (Ea	ton)
		-	ORCODEC						
		EDF	ORCODEC	MS					
		1 NL							
			UUT Properties		Y1		F	(11-)	
Weight (lb)	Dauth	Dimension (in)	105R-0405	Fuerd		st Natural	1	Vertical	
	Depth	Width	OSHeight 05	717	-Back				
2165	42	31.3	74 Passed Seismic Run	9.5		8		22	
Buildir	ng Code	Test Crite		z/h		Δ (σ)	A _{RIG-H} (g)	Δ (σ)	Δ (
Buildin				2/11	ъ	AFLX-H (B)	ARIG-H (B)	AFLX-V (B)	RIG-V
CBC	2019	ICC-ES AC156	(2015)6/16/2.8320	1.0	1.5	2.93	2.2	1.23	0.49
est Mounting De	etails:	2			27		ļ		
j.					2				
			1126 [44.3]					4x 1/2" Bolts	
			A RIM DING	COL				Front & Back)	
	🕅 · 🤖 · 📢		A BUILDING			. 0	ľ		
				ţ.			.1		
				•					
					۰	•	•		
						† _			
1		ain a							
	💻 : 👔		21 [.8] 0 [.0]				- 1 		
			0 [.0]			ONT			
		Contraction of the second							
				[0.]	11.2	20.1	[.3]		
				0 [.0] 102.5 [4.0] -	5	510.5 [20.1]	795 [31.3]		

The UUT was rigid mounted to steel floor members using (8) 1/2" Grade 5 bolts. The steel floor members were welded to the shake table.

1800524-CR-001 R4



Manufacturer:	Eaton								2
Model Line:	93PM Unir	nterruptible Power Su	ıpply (UPS)				U	UT 1	.2
Model Number:	9PV20C00	29F20R2		Serial Nı	ımber:	N/A			
Product Construc	-								
Powder coated ca	rbon steel frami	ing							
Options/Subcomp 200kVA Capacity I		y: Bkr MBS Sidecar. Frai	ne (Faton) Seismic	Kit (Eato		33001/1/407	'S49 Broa	kor (Fato	n)
Batteries (CSB))F3 (4 0FM) + 4				I), IINDC.	5500WA01	345 DI Co	ikei (Lato	11),
241101100 (002)			OR CODE C						
		DE	OKCODEC	OMp,					
		NED		MS/					
			UUT Properties		Z				
Weight		Dimension (in)		Lowes	t Natural	Frequen	cy (Hz)		
(lb)	Depth	Width	OSHeight 05	Front-Back		Back Side-Side		Side-Side Vertic	
1795	42	46.7	74	and a state of the			.2	6	.2
			Passed Seismic Run		tion			r –	
Buildin	g Code	Test Criter	ia S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (
CBC	2019	ICC-ES AC156 (20156/16/2520	1.0	1.5	4.00	3.00	1.67	0.67
Test Mounting De	tails:	101	*		2				
		Y V			2				
		COD.	1126 [44,3]				b		
		En PNI,	103 [43.4]	().		·····	- mater	∕ 6x 1/2'	
			BUILDING					(Front 8	Back)
				•]]		[<u>}</u>		
	and the second					•			
	Contraction of the second s		' lí i b						
14		-		0.	•	•			
				•					
			23 [.9]						
			23 [.9]						
						FRONT	. 6]		
					429.5 [22.8]		979.5 [38.6]		

The UUT was rigid mounted to an aluminum plate using (12) 1/2" Grade 5 bolts. The aluminum plate was rigid mounted to the shake table.

1800524-CR-001 R4



Manufacturer: Eaton **UUT 13** Model Line: 93 PM IBC Model Number: 9PZABAE28010010 Serial Number: N/A Product Construction Summary: Powder coated carbon steel framing **Options/Subcomponent Summary:** 100kVA IBC-L, Line and Match, no Sidecar. Frame (Eaton), Seismic Kit (Eaton), HKDC3300WA07S49 Breaker (Eaton), Batteries (CSB) FOR CODE COL **UUT Properties** Weight **Dimension** (in) Lowest Natural Frequency (Hz) (lb) Width Height **Front-Back** Side-Side Depth Vertical 3185 42 32.2 74 14.6 5.4 > 33.3 **UUT Highest Passed Seismic Run Information Building Code Test Criteria** z/h $S_{DS}(g)$ I_P $A_{FLX-H}(g) | A_{RIG-H}(g) | A_{FLX-V}(g) | A_{RIG-V}(g)$ 1.5 CBC 2019 ICC-ES AC156 (2015) 5/2.292 1.0 3.66 2.74 1.53 0.61 **Test Mounting Details:** 4x 1/2" Bolts, SAE Grade 5-(Front & Back) [.9] f 01 FRONT [29.7] 5 [20. [2. 9 524.5 64.5 154.5 294.5

The UUT was rigid mounted to an aluminum plate using (8) 1/2" Grade 5 bolts. The aluminum plate was rigid mounted to the shake table.

1800524-CR-001 R4



Manufacturer:	Eaton									4
Model Line:	93 PM IBC							U	UT 1	.4
Model Number:	9PZUDBN	154010010			Serial Ni	umber:	N/A			
Product Construe	ction Summary:	,								
Powder coated ca	arbon steel fram	ling								
Options/Subcom , 93PM 200 kVA IBC	-	atch. (40) Northstar N	FORC	ODEC	OMPL					
Weight		Dimension (in)		operties		Lowos	t Natural	Eroquon	ov (Hz)	
(lb)	Depth	Width		eight 05	Front-Back				Vertica	
5082	42	34.2		'4.1		.57		86		3.3
		UUT Highes	t Passed S	eismic Run	Informa	tion				
Buildir	ng Code	Test Crite	eria	S _{DS} (g)	z/h	I _P O	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CPC	2019	ICC-ES AC156		2,0 g	1.0	1.5	3.2	2.4	2.13	0.85
CDC	2019	ICC-ES ACISC	742013D/	3.2 g	0.0	1.5	5.2	2.4	2.15	0.85
Test Mounting De	etails:	T		*		0				



The UUT was rigid mounted to an Aluminum plate using (12) 1/2" Grade 5 bolts. The Aluminum plate was rigid mounted to the shake table.

1800524-CR-001 R4



	Eaton									
Model Line:	93PM Uni	interruptible Power S	upply (UP	S)				U	UT 1	.5
Model Number:	9P640D0	029A00R2			Serial Nu	ımber:	N/A			
Product Constru	ction Summary:	:								
Powder coated o	arbon steel fram	ning								
Options/Subcon	nponent Summa	ry:								
400 kVA UPS, 8 U	IPM. Frame (Eat	on), Seismic Kit (Eato	n)							
				0.5						
			nR CI	ODF~						
		nF		ODEC	01.					
		NED			AN,					
			UUT Pr	operties		7				
Weight		UUT Properties								
TC-B-IC		Dimension (in)				Lowes	t Natural	Frequen	icy (Hz)	
(lb)	Depth	Dimension (in)	OSHe	ight105	Front	Lowes -Back	1	Frequen •Side	1	tical
•	Depth 42			ight 05 74	77		Side	-	Ver	tical 3.3
(lb)	-	Width		74	20	-Back .55	Side	-Side	Ver	
(lb) 2628	-	Width 63.9	Passed Se	74	20	-Back .55	Side 12	- Side .91	Ver	3.3
(lb) 2628 Buildi	42 ng Code	Width 63.9 UUT Highest Test Crite	Passed Se ria	74 eismic Run	20 Informa	-Back .55 tion I _P	Side 12	- Side .91 А _{RIG-H} (g)	Ver >3	3.3 A _{RIG-V} (g
(lb) 2628 Buildi	42	Width 63.9 UUT Highest	Passed Se ria	74 eismic Run S _{DS} (g)	20 <i>Informa</i> z/h	-Back .55 tion	Side 12	- Side .91	Ver	3.3
(lb) 2628 Buildi CBC	42 ng Code	Width 63.9 UUT Highest Test Crite	Passed Se ria	74 eismic Run S _{DS} (g)	20 Informa z/h 1.0	-Back .55 tion I _P	Side 12	- Side .91 А _{RIG-H} (g)	Ver >3	3.3 A _{RIG-V} (g
(lb) 2628 Buildi	42 ng Code	Width 63.9 UUT Highest Test Crite	Passed Se ria	74 eismic Run S _{DS} (g)	20 Informa z/h 1.0	-Back .55 tion I _P	Side 12	- Side .91 А _{RIG-H} (g)	Ver >3	3.3 A _{RIG-V} (g
(lb) 2628 Buildi CBC	42 ng Code	Width 63.9 UUT Highest Test Crite	t Passed Se ria	74 eismic Run S _{DS} (g)	20 Informa z/h 1.0	-Back .55 tion I _P	Side 12	- Side .91 А _{RIG-H} (g)	Ver >3	3.3 A _{RIG-V} (g
(lb) 2628 Buildi CBC	42 ng Code	Width 63.9 UUT Highest Test Crite	t Passed Se ria	74 eismic Run S _{DS} (g)	20 Informa z/h 1.0	-Back .55 tion I _P	Side 12	- Side .91 А _{RIG-H} (g)	Ver >3	3.3 A _{RIG-V} (g



The unit was rigid floor mounted to an Aluminum plate using (16) 1/2" Grade 5 bolts. The Aluminum plate was rigid mounted to the shake table.

1800524-CR-001 R4



Manufacturer: Eaton UUT 16 Model Line: 93PM Uninterruptible Power Supply (UPS) UUT 16 Model Number: 9GC312A700A02R0 Serial Number: EN025UJJ02 Product Construction Summary: Construction Summary: Construction Summary

Powder coated carbon steel framing.

Options/Subcomponent Summary:

93PM-L-60kVA, (160) CSB batteries (HR1227WFR), Eaton static switch(730-05213), 3 Eaton power modules(730-05211), Eaton frame, Eaton seismic kit(P-103000765).



	UUT Properties										
Weight		Dimension (in	ı) — — — — — — — — — — — — — — — — — — —			Lowes	t Natural	Frequen	cy (Hz)		
(lb)	Depth					Front-Back Side-Side			Vertical		
1,604	42.0	22.0	74	1.0).5	6	.6	12	2.2	
		UUT Highe	st Passed Se	ismic Run	Informa	tion					
Buildi	ng Code	Test Crit	teria	S _{DS} (g)	z/h	I _P O	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)	
СВС	2019	ICC-ES AC15	6(2015)/1	6/1.8320	1.0 0.0	1.5	2.93	2.20	1.22	0.49	

Test Mounting Details:



The UUT was rigid mounted to an Aluminum plate using (8) 1/2" Grade 5 bolts. The Aluminum plate was rigid mounted to the shake table. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

1800524-CR-001 R4



Manufacturer:	Eaton			
Model Line:	93PM Uninterruptible Power Supply (UPS)			UUT 17
Model Number:	9GK040A000A02R0	Serial Number:	EN021UJJ05	
Product Constructi	on Summary:			
Powder coated carl	oon steel framing.			

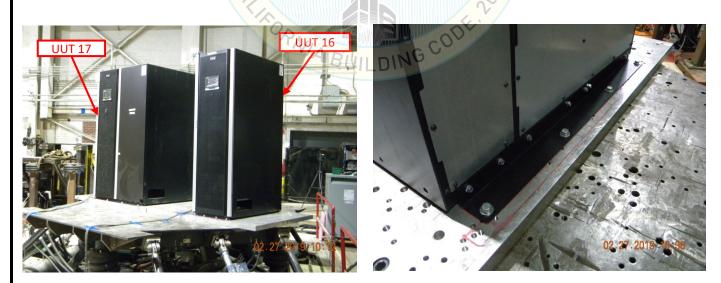
Options/Subcomponent Summary:

93PM-L-200kVA, Eaton static switch(730-05214), 10 Eaton power modules(730-05211), Eaton frame, Eaton seismic kit(P-103003059).



		4	UUT Pr	operties		Z				
Weight		Dimension (in				Lowest	t Natural	Frequen	cy (Hz)	
(lb)	Depth				Front	-Back	Side-Side		Vertical	
1,722	42.0					2.4	19).2	>3	3.3
		UUT Highe	st Passed S	eismic Run	Informa	tion				
Buildi	ng Code	Test Crit	teria	S _{DS} (g)	z/h	I _P O	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CRC	2010		6/20166/1	6/1.8320	1.0	1.5	2.93	2.20	1.22	0.49
CDC	CBC 2019 ICC-ES AC156 (2015)		0750 13 0/ 1	0/ 1.0520	0.0	1.5	2.95	2.20	1.22	0.49

Test Mounting Details:



The UUT was rigid mounted to an Aluminum plate using (8) 1/2" Grade 5 bolts. The Aluminum plate was rigid mounted to the shake table. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.