



**DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION  
OFFICE OF STATEWIDE HOSPITAL PLANNING AND DEVELOPMENT**

**APPLICATION FOR HCAI SPECIAL SEISMIC  
CERTIFICATION PREAPPROVAL (OSP)**

OFFICE USE ONLY

**APPLICATION #: OSP-0155**

**HCAI Special Seismic Certification Preapproval (OSP)**

Type:  New  Renewal

**Manufacturer Information**

Manufacturer: Eaton Corporation

Manufacturer's Technical Representative: Sami Hussaini

Mailing Address: 8609 Six Forks Road, Raleigh, NC 27615

Telephone: (984) 920-9458 Email: SamiHussaini@eaton.com

**Product Information**

Product Name: See Attachment

Product Model Number(s): Varies. See Attachment

Product Category: UPS and Batteries

Product Sub-Category: UPS

General Description: Uninterruptible power supplies and accessories per UL 1778 and qualified for use in Emergency systems per UL 924.

Mounting Description: Base Mounted Rigid

Tested Seismic Enhancements: None

**Applicant Information**

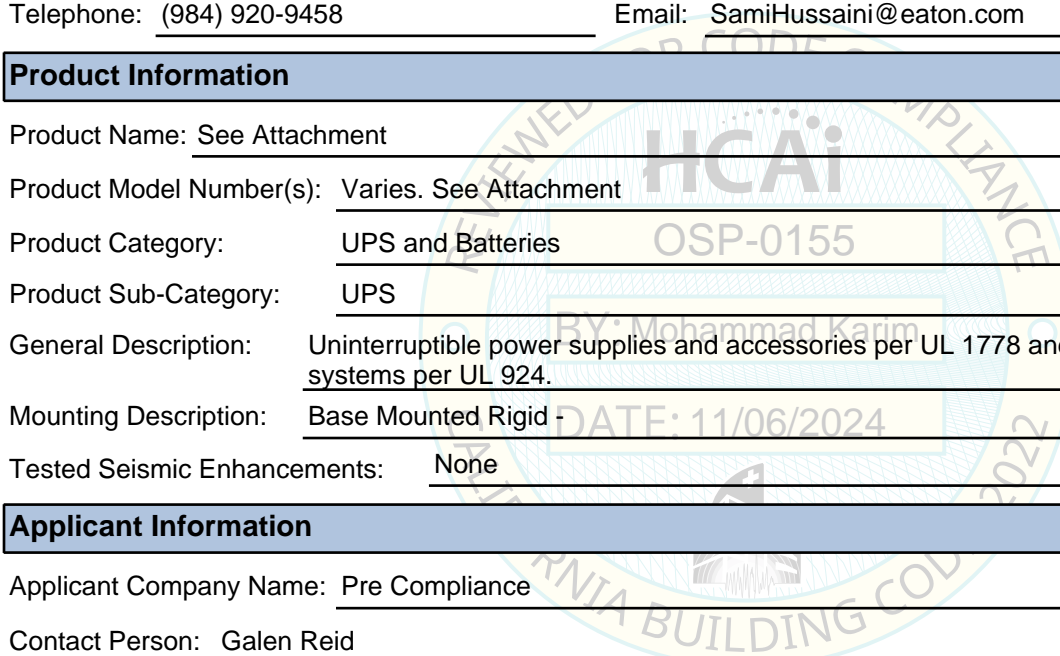
Applicant Company Name: Pre Compliance

Contact Person: Galen Reid

Mailing Address: 36 SW Wall Street, Bend, OR 97702

Telephone: (541) 241-2310 Email: galen@go-pre.com

Title: Principal & Program Manager





**DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION  
OFFICE OF STATEWIDE HOSPITAL PLANNING AND DEVELOPMENT**

**California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)**

Company Name: PRE COMPLIANCE  
 Name: Andrew Coughlin California License Number: S6082  
 Mailing Address: 36 SW Wall Street, Bend, OR 97702  
 Telephone: (415) 635-8461 Email: Andy@go-pre.com

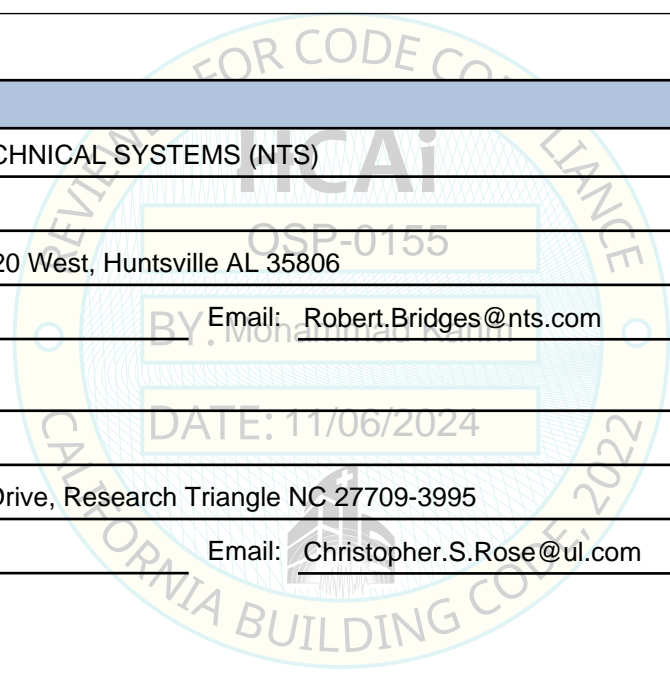
**Certification Method**

GR-63-Core     ICC-ES AC156     IEEE 344     IEEE 693     NEBS 3  
 Other (Please Specify): \_\_\_\_\_

**Testing Laboratory**

Company Name: NATIONAL TECHNICAL SYSTEMS (NTS)  
 Contact Person: Robert Bridges  
 Mailing Address: 7800 Highway 20 West, Huntsville AL 35806  
 Telephone: (256) 837-4411 Email: Robert.Bridges@nts.com

Company Name: UL LLC  
 Contact Person: Chris Rose  
 Mailing Address: 12 Laboratory Drive, Research Triangle NC 27709-3995  
 Telephone: (919) 549-1400 Email: Christopher.S.Rose@ul.com





**DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION  
OFFICE OF STATEWIDE HOSPITAL PLANNING AND DEVELOPMENT**

**Seismic Parameters**

Design Basis of Equipment or Components ( $F_p/W_p$ ) = 1.44 (SDS = 2.0g); 1.16 (SDS = 2.58g)

SDS (Design spectral response acceleration at short period, g) = 2.0 (z/h = 1.0); 2.58 (z/h = 0.0)

$a_p$  (Amplification factor) = 1.0

$R_p$  (Response modification factor) = 2.5

$\Omega_0$  (System overstrength factor) = 2.0

$I_p$  (Importance factor) = 1.5

z/h (Height ratio factor) = 1 and 0

Natural frequencies (Hz) = See Attachment

Overall dimensions and weight = See Attachment

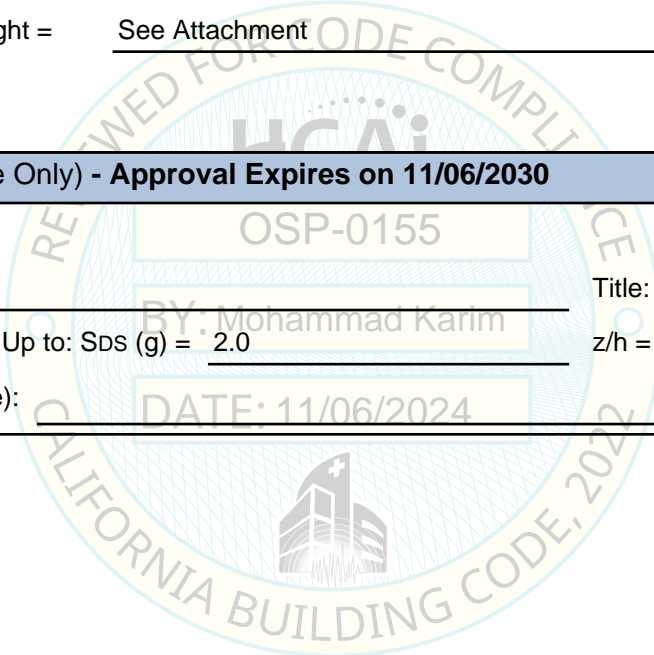
**HCAI Approval (For Office Use Only) - Approval Expires on 11/06/2030**

Date: 11/6/2024

Name: Mohammad Karim Title: Supervisor, Health Facilities

Special Seismic Certification Valid Up to: SDS (g) = 2.0 z/h = 1

Condition of Approval (if applicable): DATE: 11/06/2024





# SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENTS

Pre No. CC231372-01-R0

Manufacturer: Eaton Corporation  
Product Type: UPS  
Model Line: 9PX/9SX/5SC

### Seismic Parameters

$S_{DS} = 2.00g$  for  $z/h=1$   
 $S_{DS} = 2.58g$  for  $z/h=0$        $I_p = 1.5$

### Building Codes

CBC 2022

## TABLE 1a

Mounting Configuration<sup>1</sup>: Base Mounted - Rigid using Eaton Seismic Floor Mount "SMKITA"

### Construction Summary

NEMA 1 Powder Coated Carbon Steel Enclosure

### Options Summary

Base mounted only

Model Line	Model	Max. Dimensions (in)			Wt. (lb)	Notes	UUT
		D	W	H			
9PX (208/230/240V)	9PX3000RTN	23.8	3.4	17.3	64		Interp.
	9PX3000GLRT	23.8	3.4	17.3	64	UUT27: Standalone	26,27
	9PX5K	28.4	5.1	17.3	105		Interp.
	9PX6K	28.4	5.1	17.3	105		17
	9PX8K	32.0	10.2	17.3	193		4
	9PX11K	32.0	10.2	17.3	193	Identical to 9PX8K	Interp.
9PX (Extended Battery Modules)	9PXEBM36RT	17.7	3.4	17.3	48		Interp.
	9PXEBM48RT	17.7	3.4	17.3	59		Interp.
	9PXEBM72RT	23.8	3.4	17.3	89		26
	9PXEBM180RT	25.4	5.1	17.3	146		20
9SX (120V)	9SX700	13.9	6.3	9.9	26		21
	9SX1000	15.1	6.3	9.9	31		Interp.
	9SX1500	17.1	6.3	9.9	42		Interp.
	9SX2000	16.2	8.4	13.6	76		22
	9SX3000	16.2	8.4	13.6	77		Interp.
9SX (208V)	9SX1000G	15.1	6.3	9.9	33		23
	9SX1500G	17.1	6.3	9.9	41		24
	9SX2000G	16.2	8.4	13.6	75		Interp.
	9SX3000G	16.2	8.4	13.6	75	C13 and C19 Outlet Receptacles	25
	9SX3000GL	16.2	8.4	13.6	75	L-6 Outlet Receptacles	Interp.
5SC	5SC500	10.3	9.28	8.20	15		Interp.
	5SC750	14.3	9.28	8.20	23		Interp.
	5SC1000	15.52	9.28	8.25	24		29
	5SC1000i-Z3	15.52	9.28	8.25	24		Interp.
	5SC1500	17.4	9.28	8.25	34		28

<sup>1</sup>Installed mounting configuration must be of similar configuration and equivalent strength and stiffness to those tested.

Manufacturer: Eaton Corporation  
 Product Type: UPS  
 Model Line: 9PX

### Seismic Parameters

$S_{DS} = 2.00g$  for  $z/h=1$        $I_p = 1.5$   
 $S_{DS} = 2.58g$  for  $z/h=0$

### Building Codes

**CBC 2022**

## TABLE 1b

**Mounting Configuration: Base Mounted - Rigid in 4-Post Rack**

### Construction Summary

NEMA 1 Powder Coated Carbon Steel Enclosure

### Options Summary

Installed in Tripp Lite Model SR42UBZ4 4-Post rack. The installed mounting configuration must match the tested configuration in terms of design, strength, and stiffness.

Model Line	Model	Max. Dimensions (in)			Wt. (lb)	Notes	UUT
		D	W	H			
9PX (120/208V)	9PX1500GRT-L	17.7	17.3	3.4	35		1b
	9PX1500RT-L	17.7	17.3	3.4	36		Interp.
	9PX1500RTN-L	17.7	17.3	3.4	37		Interp.
	9PX2000RT-L	23.8	17.3	3.4	51		Interp.
	9PX2000RTN-L	23.8	17.3	3.4	52		Interp.
	9PX2000RT (VRLA)	23.8	17.3	3.4	54		1f
	9PX2200GRT-L	23.8	17.3	3.4	49		Interp.
	9PX3000GRT-L	23.8	17.3	3.4	50		Interp.
	9PX3000RT-L	23.8	17.3	3.4	53		Interp.
	9PX3000RT (VRLA)	23.8	17.3	3.4	54		1g
	9PX3000RTN-L	23.8	17.3	3.4	54		1a
	9PX6K-L	28.4	17.3	5.7	81		1d
9PX (Extended Battery Modules)	9PXEBM48RT-L	17.6	17.2	1.7	37		Interp.
	9PXEBM72RT-L	23.7	17.2	1.7	47		1c
	9PXEBM192RT-L	25.4	17.2	3.4	79		1e

Manufacturer: Eaton Corporation  
 Product Type: UPS  
 Model Line: 9PX

**Seismic Parameters**

$S_{DS} = 2.00g$  for  $z/h=1$        $I_p = 1.5$   
 $S_{DS} = 2.58g$  for  $z/h=0$

**Building Codes**

**CBC 2022**

## TABLE 1c

Mounting Configuration: Base Mounted - Rigid in 2-Post Rack

**Construction Summary**

NEMA 1 Powder Coated Carbon Steel Enclosure

**Options Summary**

Installed in Cooper B-line model SB85219084FB 2-Post rack. The installed mounting configuration must match the tested configuration in terms of design, strength, and stiffness.

Model Line	Model	Max. Dimensions (in)			Wt. (lb)	Notes	UUT
		D	W	H			
9PX (120/208V)	9PX1500GRT-L	17.7	17.3	3.4	35		2b
	9PX1500RT-L	17.7	17.3	3.4	36		Interp.
	9PX1500RTN-L	17.7	17.3	3.4	37		Interp.
	9PX2000RT-L	23.8	17.3	3.4	51		Interp.
	9PX2000RTN-L	23.8	17.3	3.4	52		Interp.
	9PX2000RT (VRLA)	23.8	17.3	3.4	54		2f
	9PX2200GRT-L	23.8	17.3	3.4	49		Interp.
	9PX3000GRT-L	23.8	17.3	3.4	50		Interp.
	9PX3000RT-L	23.8	17.3	3.4	53		Interp.
	9PX3000RT (VRLA)	23.8	17.3	3.4	54		2g
	9PX3000RTN-L	23.8	17.3	3.4	54		2a
	9PX6K-L	28.4	17.3	5.7	81		2d
9PX (Extended Battery Modules)	9PXEBM48RT-L	17.6	17.2	1.7	37		Interp.
	9PXEBM72RT-L	23.7	17.2	1.7	47		2c
	9PXEBM192RT-L	25.4	17.2	3.4	79		2e

**Manufacturer:** Eaton Corporation  
**Product Type:** UPS  
**Model Line:** 9PX/9SX/5SC

**Seismic Parameters**  
 $S_{DS} = 2.00g$  for  $z/h=1$        $I_p = 1.5$   
 $S_{DS} = 2.58g$  for  $z/h=0$

**Building Codes**  
**CBC 2022**

## TABLE 2      Table Description: Electronics (Base Mounted)

Component (Manufacturer)	Model	Description	Notes	UUT
Battery (B&B Battery)	HR5.5-12	Lead Acid, 12V, 5Ah, UL1989		17,20
Battery (CSB)	HR1234WF2	Lead Acid, 12V, 9Ah, UL1989		4
Batteries (Leoch)	DJW12-9.0	Lead Acid, 12V, 9Ah, UL1989		21-27
	PWHR1234W2FR	Lead Acid, 12V, 9Ah, VRLA		28,29
Bypass Switch (Eaton)	MBP11K208	208VAC, Rear-mount Maintenance Bypass		4
Battery Enclosure (Eaton)	9PXEBM240RT	240V, Carbon Steel, Supports Lead Acid		4
Network Card (Eaton)	Network-M2	PCB		25,27
Printed Circuit Board Assembly (PCBA) (Eaton)	710-15919-10P	Main Power Circuit		28,29
	710-15920-05P	Communications Circuit		28,29
LCD Display (Eaton)	126-00187-00	LCD Screen		28,29

Manufacturer: Eaton Corporation  
 Product Type: UPS  
 Model Line: 9PX/9SX/5SC

**Seismic Parameters**

$S_{DS} = 2.00g$  for  $z/h=1$        $I_p = 1.5$   
 $S_{DS} = 2.58g$  for  $z/h=0$

**Building Codes**

**CBC 2022**

**TABLE 3** Table Description: Electronics (2 or 4-post rack mounted)<sup>1</sup>

Component (Manufacturer)	Model	Description	Notes	UUT
Batteries (PLB)	111-00010	48V/9AH		1b,2b
	111-00011	76.8V/9AH		1a,2a
	111-LB00013	48V/12AH		Interp.
	111-LB00014	48V/12AH		Interp.
	111-LB00017	76.8V/12AH		1c,2c
	111-LB00018	76.8V/12AH		Interp.
	111-00034	192V/6AH		1d,2d
	111-LBA0009	192V/12AH		1e,2e
	111-LBA0010	192V/12AH		Interp.
Batteries (Eaton)	744-A3121	72V/9AH		1f,2f
	744-A3122	72V/9AH		1g,2g

<sup>1</sup>The installed mounting configuration must match the tested configuration in terms of design, strength, and stiffness.



UUT	Model	Test Report	Test Laboratory	S <sub>DS</sub>	z/h	I <sub>p</sub>
1	Rack Configuration 1 4-post model: SR42UBZ4	R15070114-2 (UUT 1)	Underwriters Laboratories, Research Triangle Park	2.0 3.2	1.0 0.0	1.5
1a	9PX3000RTN-L (in 4-post rack)	R15070114-2 (UUT 1a)	Underwriters Laboratories, Research Triangle Park	2.0 3.2	1.0 0.0	1.5
1b	9PX1500GRT-L (in 4-post rack)	R15070114-2 (UUT 1b)	Underwriters Laboratories, Research Triangle Park	2.0 3.2	1.0 0.0	1.5
1c	9PXEBM72RT-L (in 4-post rack)	R15070114-2 (UUT 1c)	Underwriters Laboratories, Research Triangle Park	2.0 3.2	1.0 0.0	1.5
1d	9PX6k-L (in 4-post rack)	R15070114-2 (UUT 1d)	Underwriters Laboratories, Research Triangle Park	2.0 3.2	1.0 0.0	1.5
1e	9PXEBM192RT-L (in 4-post rack)	R15070114-2 (UUT 1e)	Underwriters Laboratories, Research Triangle Park	2.0 3.2	1.0 0.0	1.5
1f	9PX2000RT (VRLA) (in 4-post rack)	R15070114-2 (UUT 1f)	Underwriters Laboratories, Research Triangle Park	2.0 3.2	1.0 0.0	1.5
1g	9PX3000RT (VRLA) (in 4-post rack)	R15070114-2 (UUT 1g)	Underwriters Laboratories, Research Triangle Park	2.0 3.2	1.0 0.0	1.5
2	Rack Configuration 2 2-post model: SB85219084FB	R15070114-2 (UUT 2)	Underwriters Laboratories, Research Triangle Park	2.0 3.2	1.0 0.0	1.5
2a	9PX3000RTN-L (in 2-post rack)	R15070114-2 (UUT 2a)	Underwriters Laboratories, Research Triangle Park	2.0 3.2	1.0 0.0	1.5
2b	9PX1500GRT-L (in 2-post rack)	R15070114-2 (UUT 2b)	Underwriters Laboratories, Research Triangle Park	2.0 3.2	1.0 0.0	1.5
2c	9PXEBM72RT-L (in 2-post rack)	R15070114-2 (UUT 2c)	Underwriters Laboratories, Research Triangle Park	2.0 3.2	1.0 0.0	1.5
2d	9PX6k-L (in 2-post rack)	R15070114-2 (UUT 2d)	Underwriters Laboratories, Research Triangle Park	2.0 3.2	1.0 0.0	1.5
2e	9PXEBM192RT-L (in 2-post rack)	R15070114-2 (UUT 2e)	Underwriters Laboratories, Research Triangle Park	2.0 3.2	1.0 0.0	1.5
2f	9PX2000RT (VRLA) (in 2-post rack)	R15070114-2 (UUT 2f)	Underwriters Laboratories, Research Triangle Park	2.0 3.2	1.0 0.0	1.5
2g	9PX3000RT (VRLA) (in 2-post rack)	R15070114-2 (UUT 2g)	Underwriters Laboratories, Research Triangle Park	2.0 3.2	1.0 0.0	1.5
4	9PX8K Kit	R10964174 Rev. 1	Underwriters Laboratories, Research Triangle Park	2.0 3.2	1.0 0.0	1.5
17	9PX6K	71152R13-1	NTS-Huntsville (Wyle Laboratories)	3.2	1.0	1.5
20	9PXEBM180RT	71152R13-1	NTS-Huntsville (Wyle Laboratories)	3.2	1.0	1.5
21	9SX700	R12717216 Rev. 1 (UUT 1)	Underwriters Laboratories, Research Triangle Park	2.0 3.2	1.0 0.0	1.5

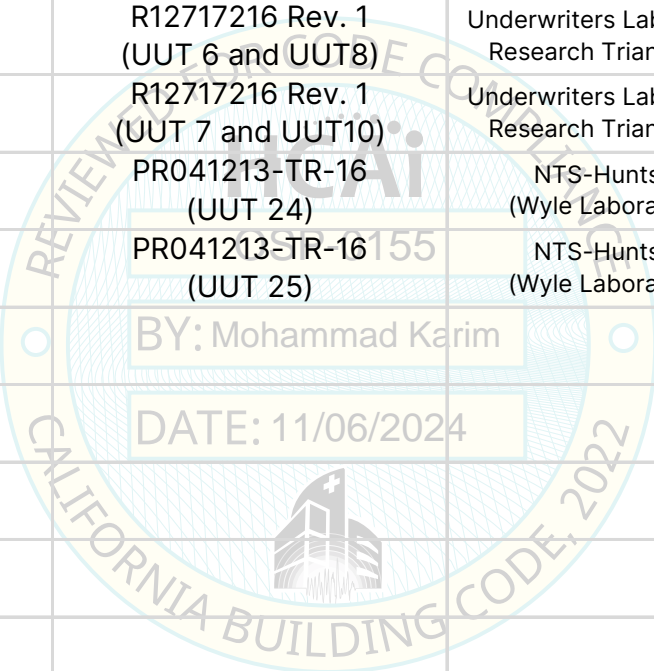
Notes: The installed mounting configuration must match the tested configuration regarding design, strength, and stiffness



# SPECIAL SEISMIC CERTIFICATION TESTING SUMMARY

Pre No. CC231372-01-R0

UUT	Model	Test Report	Test Laboratory	S <sub>DS</sub>	z/h	I <sub>p</sub>
22	9SX2000	R12717216 Rev. 1 (UUT 2)	Underwriters Laboratories, Research Triangle Park	2.0 3.2	1.0 0.0	1.5
23	9SX1000G	R12717216 Rev. 1 (UUT 3)	Underwriters Laboratories, Research Triangle Park	2.0 3.2	1.0 0.0	1.5
24	9SX1500G	R12717216 Rev. 1 (UUT 4)	Underwriters Laboratories, Research Triangle Park	2.0 3.2	1.0 0.0	1.5
25	9SX3000G w/Network - M2	R12717216 Rev. 1 (UUT 5 and UUT 9)	Underwriters Laboratories, Research Triangle Park	2.0 3.2	1.0 0.0	1.5
26	9PX3000GLRT & 9PXEBM72RT	R12717216 Rev. 1 (UUT 6 and UUT8)	Underwriters Laboratories, Research Triangle Park	2.0 3.2	1.0 0.0	1.5
27	9PX3000GLRT w/Network - M2	R12717216 Rev. 1 (UUT 7 and UUT10)	Underwriters Laboratories, Research Triangle Park	2.0 3.2	1.0 0.0	1.5
28	5SC1000	PR041213-TR-16 (UUT 24)	NTS-Huntsville (Wyle Laboratories)	2.58 2.58	1.0 0.0	1.5
29	5SC1500	PR041213-TR-16 (UUT 25)	NTS-Huntsville (Wyle Laboratories)	2.58 2.58	1.0 0.0	1.5
		BY: Mohammad Karim				
		DATE: 11/06/2024				



Notes: The installed mounting configuration must match the tested configuration regarding design, strength, and stiffness

## UUT 1

Test Report# R15070114-2 (UUT 1)

**Manufacturer:** Eaton Corporation  
**Model Line:** 9PX - 4-Post Installation  
**Model Number:** SR42UBZ4 (Tripp Lite)  
**Serial Number:** N/A

Highest Passed Test Level						
S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>flx-h</sub>	A <sub>rig-h</sub>	A <sub>flx-v</sub>	A <sub>rig-v</sub>
2.0	1					
3.2	0	1.5	3.20	2.40	2.13	0.85

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
38.5	23.5	79.5	1,020

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
7.58	4.63	>33.3

Building Codes
CBC 2022

Test Criteria
ICC-ES AC156

Construction/Option Summary
NEMA 1 Powder Coated Carbon Steel Enclosure

### UUT Mounting Details:



Tripp Lite Model SR42UBZ4 4-Post rack was rigid base mounted with (8) 1/2" Grade 5 bolts and washers. UUT was mounted in rack with (4) M6-14 screws. Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

### List of Included Subcomponents

Description	Model #
UUT1a	9PX3000RTN-L
UUT1b	9PX1500GRT-L
UUT1c	9PXEBM72RT-L
UUT1d	9PX6k-L
UUT1e	9PXEBM192RT-L
UUT1f	9PX2000RT (VRLA)
UUT1g	9PX3000RT (VRLA)

## UUT 1

Test Report# R15070114-2 (UUT 1)

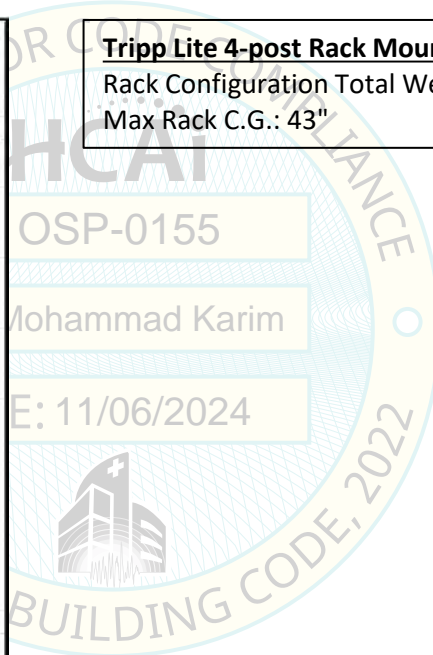
**Manufacturer:** Eaton Corporation  
**Model Line:** 9PX - 4-Post Installation  
**Model Number:** SR42UBZ4 (Tripp Lite)  
**Serial Number:** N/A

Highest Passed Test Level						
S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>flx-h</sub>	A <sub>rig-h</sub>	A <sub>flx-v</sub>	A <sub>rig-v</sub>
2.0	1	1.5	3.20	2.40	2.13	0.85
3.2	0					

### 4-Post Rack Configuration

Height (in.)	Rack Configuration 1: 4-Post Rack		Weight (lbs.)
	Position on rack	Position on rack RMU	
78.5	Empty		42
76.75	UUT 1c (9PXEBM72RT-L)		41
75	Empty		40
73.25	UUT 1b (9PX1500GRT-L)		39
71.5	Empty		38
69.75	Empty		37
68	UUT 1a (9PX3000RTN-L)		36
66.25	Empty		35
64.5	Empty		34
62.75	UUT 1f (9PX2000RT (VRLA))		33
61	Empty		32
59.25	UUT 1g (9PX3000RT (VRLA))		31
57.5	Empty		30
55.75	Empty		29
54	Empty		28
52.25	UUT 1e (9PXEBM192RT-L)		27
50.5	Empty		26
48.75	Empty		25
47	UUT 1d (9PX6k-L)		24
45.25	Empty		23
43.5	Empty		22
41.75	Empty		21
40	Empty		20
38.25	Empty		19
36.5	Empty		18
34.75	Empty		17
33	Added Weight (200 lbs.)		16
31.25	Empty		15
29.5	Empty		14
27.75	Empty		13
26	Empty		12
24.25	Empty		11
22.5	Empty		10
20.75	Added Weight (187.3 lbs.)		9
19	Empty		8
17.25	Empty		7
15.5	Empty		6
13.75	Empty		5
12	Empty		4
10.25	Empty		3
8.5	Empty		2
6.75	Empty		1
5			

**Tripp Lite 4-post Rack Mounting Summary**  
 Rack Configuration Total Weight (Including rack): 1020 lbs.  
 Max Rack C.G.: 43"



## UUT 1a

Test Report# R15070114-2 (UUT 1a)

**Manufacturer:** Eaton Corporation  
**Model Line:** 9PX - 4-Post Installation  
**Model Number:** 9PX3000RTN-L  
**Serial Number:** PG02P42550

Highest Passed Test Level						
S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>flx-h</sub>	A <sub>rig-h</sub>	A <sub>flx-v</sub>	A <sub>rig-v</sub>
2.0	1	1.5	3.20	2.40	2.13	0.85
3.2	0					

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
23.8	17.3	3.4	53.7

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
N/A	N/A	N/A

**Building Codes**  
CBC 2022

**Test Criteria**  
ICC-ES AC156

**Construction/Option Summary**  
NEMA 1 Powder Coated Carbon Steel Enclosure

### UUT Mounting Details:



UUT was mounted in rack using Eaton 4-post Seismic Mounting Kit (P/N: AC8A00) with (4) M6-14 screws. Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

### List of Included Subcomponents

Description	Model #
BY: Mohammad Karim N/A	N/A
DATE: 11/06/2024	

## UUT 1a

Test Report# R15070114-2 (UUT 1a)

**Manufacturer:** Eaton Corporation  
**Model Line:** 9PX - 4-Post Installation  
**Model Number:** 9PX3000RTN-L  
**Serial Number:** PG02P42550

### Highest Passed Test Level

S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>flx-h</sub>	A <sub>rig-h</sub>	A <sub>flx-v</sub>	A <sub>rig-v</sub>
2.0	1	1.5	3.20	2.40	2.13	0.85
3.2	0					

### 4-Post Rack Configuration

Height (in.)	Rack Configuration 1: 4-Post Rack		Weight (lbs.)
	Position on rack	Position on rack RMU	
78.5	Empty		42
76.75	UUT 1c (9PXEBM72RT-L)		41
75	Empty		40
73.25	UUT 1b (9PX1500GRT-L)		39
71.5	Empty		38
69.75	Empty		37
68	UUT 1a (9PX3000RTN-L)		36
66.25	Empty		35
64.5	Empty		34
62.75	UUT 1f (9PX2000RT (VRLA))		33
61	Empty		32
59.25	Empty		31
57.5	UUT 1g (9PX3000RT (VRLA))		30
55.75	Empty		29
54	Empty		28
52.25	UUT 1e (9PXEBM192RT-L)		27
50.5	Empty		26
48.75	Empty		25
47	UUT 1d (9PX6k-L)		24
45.25	Empty		23
43.5	Empty		22
41.75	Empty		21
40	Empty		20
38.25	Empty		19
36.5	Empty		18
34.75	Added Weight (200 lbs.)		17
33	Empty		16
31.25	Empty		15
29.5	Empty		14
27.75	Empty		13
26	Empty		12
24.25	Empty		11
22.5	Empty		10
20.75	Added Weight (187.3 lbs.)		9
19	Empty		8
17.25	Empty		7
15.5	Empty		6
13.75	Empty		5
12	Empty		4
10.25	Empty		3
8.5	Empty		2
6.75	Empty		1
5			

#### Tripp Lite 4-post Rack Mounting Summary

Rack Configuration Total Weight (Including rack): 1020 lbs.  
 Max Rack C.G.: 43"  
 Max Installation CG Height for UUT1a: 66.25"



## UUT 1b

Test Report# R15070114-2 (UUT 1b)

**Manufacturer:** Eaton Corporation  
**Model Line:** 9PX - 4-Post Installation  
**Model Number:** 9PX1500GRT-L  
**Serial Number:** PG03R13149

Highest Passed Test Level						
S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>flx-h</sub>	A <sub>rig-h</sub>	A <sub>flx-v</sub>	A <sub>rig-v</sub>
2.0	1		3.20	2.40	2.13	0.85
3.2	0	1.5				

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
17.7	18.3	3.4	34.8

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
N/A	N/A	N/A

Building Codes
CBC 2022

Test Criteria
ICC-ES AC156

Construction/Option Summary
NEMA 1 Powder Coated Carbon Steel Enclosure

### UUT Mounting Details:



UUT was mounted in rack using Eaton 4-post Seismic Mounting Kit (P/N: AC8A00) with (4) M6-14 screws. Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

### List of Included Subcomponents

Description	Model #
BY: Mohammad Karim N/A	N/A
DATE: 11/06/2024	

## UUT 1b

Test Report# R15070114-2 (UUT 1b)

**Manufacturer:** Eaton Corporation  
**Model Line:** 9PX - 4-Post Installation  
**Model Number:** 9PX1500GRT-L  
**Serial Number:** PG03R13149

Highest Passed Test Level						
S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>flx-h</sub>	A <sub>rig-h</sub>	A <sub>flx-v</sub>	A <sub>rig-v</sub>
2.0	1					
3.2	0	1.5	3.20	2.40	2.13	0.85

### 4-Post Rack Configuration

Height (in.)	Rack Configuration 1: 4-Post Rack		Weight (lbs.)
	Position on rack	Position on rack	
		RMU	
78.5	Empty		42
76.75	UUT 1c (9PXEBM72RT-L)		41
75	Empty		40
73.25	UUT 1b (9PX1500GRT-L)		39
71.5	Empty		38
69.75	Empty		37
68	UUT 1a (9PX3000RTN-L)		36
66.25	Empty		35
64.5	UUT 1f (9PX2000RT (VRLA))		34
62.75	UUT 1f (9PX2000RT (VRLA))		33
61	UUT 1g (9PX3000RT (VRLA))		32
59.25	Empty		31
57.5	UUT 1g (9PX3000RT (VRLA))		30
55.75	Empty		29
54	Empty		28
52.25	UUT 1e (9PXEBM192RT-L)		27
50.5	Empty		26
48.75	Empty		25
47	UUT 1d (9PX6k-L)		24
45.25	Empty		23
43.5	Empty		22
41.75	Empty		21
40	Empty		20
38.25	Empty		19
36.5	Empty		18
34.75	Empty		17
33	Added Weight (200 lbs.)		16
31.25	Empty		15
29.5	Empty		14
27.75	Empty		13
26	Empty		12
24.25	Empty		11
22.5	Empty		10
20.75	Added Weight (187.3 lbs.)		9
19	Empty		8
17.25	Empty		7
15.5	Empty		6
13.75	Empty		5
12	Empty		4
10.25	Empty		3
8.5	Empty		2
6.75	Empty		1
5			

**Tripp Lite 4-post Rack Mounting Summary**  
 Rack Configuration Total Weight (Including rack): 1020 lbs.  
 Max Rack C.G.: 43"  
 Max Installation CG Height for UUT1b: 71.5"







## UUT 1c

Test Report# R15070114-2 (UUT 1c)

**Manufacturer:** Eaton Corporation  
**Model Line:** 9PX - 4-Post Installation  
**Model Number:** 9PXEBM72RT-L  
**Serial Number:** GG07P41031

Highest Passed Test Level						
S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>flx-h</sub>	A <sub>rig-h</sub>	A <sub>flx-v</sub>	A <sub>rig-v</sub>
2.0	1	1.5	3.20	2.40	2.13	0.85
3.2	0					

### 4-Post Rack Configuration

Height (in.)	Rack Configuration 1: 4-Post Rack		Weight (lbs.)
	Position on rack	Position on rack	
78.5		Empty	42
76.75		UUT 1c (9PXEBM72RT-L)	41
75		Empty	40
73.25		UUT 1b (9PX1500GRT-L)	39
71.5		Empty	38
69.75		UUT 1a (9PX3000RTN-L)	37
68		Empty	36
66.25		UUT 1f	35
64.5		(9PX2000RT (VRLA))	34
62.75		Empty	33
61		UUT 1g	32
59.25		(9PX3000RT (VRLA))	31
57.5		Empty	30
55.75		UUT 1e (9PXEBM192RT-L)	29
54		Empty	28
52.25		UUT 1d (9PX6k-L)	27
50.5		Empty	26
48.75		Empty	25
47		Empty	24
45.25		Empty	23
43.5		Empty	22
41.75		Empty	21
40		Empty	20
38.25		Empty	19
36.5		Empty	18
34.75		Empty	17
33		Added Weight (200 lbs.)	16
31.25		Empty	15
29.5		Empty	14
27.75		Empty	13
26		Empty	12
24.25		Empty	11
22.5		Empty	10
20.75		Added Weight (187.3 lbs.)	9
19		Empty	8
17.25		Empty	7
15.5		Empty	6
13.75		Empty	5
12		Empty	4
10.25		Empty	3
8.5		Empty	2
6.75		Empty	1
5		Empty	

#### Tripp Lite 4-post Rack Mounting Summary

Rack Configuration Total Weight (Including rack): 1020 lbs.  
 Max Rack C.G.: 43"  
 Max Installation CG Height for UUT1c: 76.75"



# SPECIAL SEISMIC CERTIFICATION UUT SUMMARY

## UUT 1d

Test Report# R15070114-2 (UUT 1d)

**Manufacturer:** Eaton Corporation  
**Model Line:** 9PX - 4-Post Installation  
**Model Number:** 9PX6k-L  
**Serial Number:** P260R21366

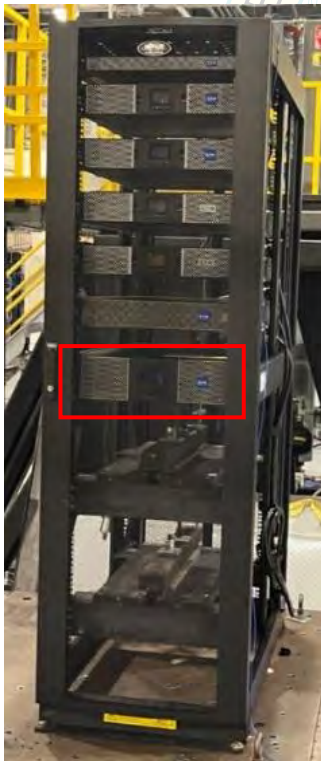
Highest Passed Test Level						
$S_{DS}$	$z/h$	$I_p$	$A_{flx-h}$	$A_{rig-h}$	$A_{flx-v}$	$A_{rig-v}$
2.0	1	1.5	3.20	2.40	2.13	0.85
3.2	0					

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
28.4	20.3	5.7	81.2

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
N/A	N/A	N/A

Building Codes	Test Criteria	Construction/Option Summary
CBC 2022	ICC-ES AC156	NEMA 1 Powder Coated Carbon Steel Enclosure

### UUT Mounting Details: List of Included Subcomponents



UUT was mounted in rack using Eaton 4-post Seismic Mounting Kit (P/N: AC8A00) with (4) M6-14 screws. Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

Description	Model #
BY: Mohammad Karim N/A	N/A
DATE: 11/06/2024	

## UUT 1d

Test Report# R15070114-2 (UUT 1d)

**Manufacturer:** Eaton Corporation  
**Model Line:** 9PX - 4-Post Installation  
**Model Number:** 9PX6k-L  
**Serial Number:** P260R21366

Highest Passed Test Level						
S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>flx-h</sub>	A <sub>rig-h</sub>	A <sub>flx-v</sub>	A <sub>rig-v</sub>
2.0	1					
3.2	0	1.5	3.20	2.40	2.13	0.85

### 4-Post Rack Configuration

Height (in.)	Rack Configuration 1: 4-Post Rack		Weight (lbs.)
	Position on rack	Position on rack	
		RMU	
78.5	Empty		42
76.75	UUT 1c (9PXEBM72RT-L)		41
75	Empty		40
73.25	UUT 1b (9PX1500GRT-L)		39
71.5	Empty		38
69.75	Empty		37
68	UUT 1a (9PX3000RTN-L)		36
66.25	Empty		35
64.5	Empty		34
62.75	UUT 1f (9PX2000RT (VRLA))		33
61	Empty		32
59.25	Empty		31
57.5	UUT 1g (9PX3000RT (VRLA))		30
55.75	Empty		29
54	Empty		28
52.25	UUT 1e (9PXEBM192RT-L)		27
50.5	Empty		26
48.75	Empty		25
47	UUT 1d (9PX6k-L)		24
45.25	Empty		23
43.5	Empty		22
41.75	Empty		21
40	Empty		20
38.25	Empty		19
36.5	Empty		18
34.75	Empty		17
33	Added Weight (200 lbs.)		16
31.25	Empty		15
29.5	Empty		14
27.75	Empty		13
26	Empty		12
24.25	Empty		11
22.5	Empty		10
20.75	Added Weight (187.3 lbs.)		9
19	Empty		8
17.25	Empty		7
15.5	Empty		6
13.75	Empty		5
12	Empty		4
10.25	Empty		3
8.5	Empty		2
6.75	Empty		1
5	Empty		

**Tripp Lite 4-post Rack Mounting Summary**  
 Rack Configuration Total Weight (Including rack): 1020 lbs.  
 Max Rack C.G.: 43"  
 Max Installation CG Height for UUT1d: 43.5"



## UUT 1e

Test Report# R15070114-2 (UUT 1e)

**Manufacturer:** Eaton Corporation  
**Model Line:** 9PX - 4-Post Installation  
**Model Number:** 9PXEBM192RT-L  
**Serial Number:** G261P33044

Highest Passed Test Level						
S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>flx-h</sub>	A <sub>rig-h</sub>	A <sub>flx-v</sub>	A <sub>rig-v</sub>
2.0	1		3.20	2.40	2.13	0.85
3.2	0	1.5				

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
25.4	21.3	3.4	79

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
N/A	N/A	N/A

Building Codes
CBC 2022

Test Criteria
ICC-ES AC156

Construction/Option Summary
NEMA 1 Powder Coated Carbon Steel Enclosure

### UUT Mounting Details:



UUT was mounted in rack using Eaton 4-post Seismic Mounting Kit (P/N: AC8A00) with (4) M6-14 screws. Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

### List of Included Subcomponents

Description	Model #
BY: Mohammad Karim N/A	N/A
DATE: 11/06/2024	

## UUT 1e

Test Report# R15070114-2 (UUT 1e)

**Manufacturer:** Eaton Corporation  
**Model Line:** 9PX - 4-Post Installation  
**Model Number:** 9PXEBM192RT-L  
**Serial Number:** G261P33044

Highest Passed Test Level						
S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>flx-h</sub>	A <sub>rig-h</sub>	A <sub>flx-v</sub>	A <sub>rig-v</sub>
2.0	1	1.5	3.20	2.40	2.13	0.85
3.2	0					

### 4-Post Rack Configuration

Height (in.)	Rack Configuration 1: 4-Post Rack		Weight (lbs.)
	Position on rack	Position on rack	
		RMU	
78.5	Empty		42
76.75	UUT 1c (9PXEBM72RT-L)		41
75	Empty		40
73.25	UUT 1b (9PX1500GRT-L)		39
71.5			38
69.75	Empty		37
68	UUT 1a (9PX3000RTN-L)		36
66.25			35
64.5	Empty		34
62.75	UUT 1f (9PX2000RT (VRLA))		33
61			32
59.25	Empty		31
57.5	UUT 1g (9PX3000RT (VRLA))		30
55.75			29
54	Empty		28
52.25	UUT 1e (9PXEBM192RT-L)		27
50.5			26
48.75	Empty		25
47			24
45.25	UUT 1d (9PX6k-L)		23
43.5			22
41.75			21
40			20
38.25	Empty		19
36.5			18
34.75			17
33	Added Weight (200 lbs.)		16
31.25			15
29.5			14
27.75			13
26	Empty		12
24.25			11
22.5			10
20.75	Added Weight (187.3 lbs.)		9
19			8
17.25			7
15.5			6
13.75			5
12	Empty		4
10.25			3
8.5			2
6.75			1
5			

**Tripp Lite 4-post Rack Mounting Summary**  
 Rack Configuration Total Weight (Including rack): 1020 lbs.  
 Max Rack C.G.: 43"  
 Max Installation CG Height for UUT1e: 50.5"



## UUT 1f

Test Report# R15070114-2 (UUT 1f)

**Manufacturer:** Eaton Corporation  
**Model Line:** 9PX - 4-Post Installation  
**Model Number:** 9PX2000RT (VRLA)  
**Serial Number:** PA19P41KK0

Highest Passed Test Level						
S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>flx-h</sub>	A <sub>rig-h</sub>	A <sub>flx-v</sub>	A <sub>rig-v</sub>
2.0	1		3.20	2.40	2.13	0.85
3.2	0	1.5				

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
23.8	17.3	3.4	53.7

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
N/A	N/A	N/A

Building Codes	Test Criteria	Construction/Option Summary
CBC 2022	ICC-ES AC156	NEMA 1 Powder Coated Carbon Steel Enclosure

UUT Mounting Details:	List of Included Subcomponents
-----------------------	--------------------------------



Description	Model #
BY: Mohammad Karim	N/A
DATE: 11/06/2024	

UUT was mounted in rack using Eaton 4-post Seismic Mounting Kit (P/N: AC8A00) with (4) M6-14 screws. Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

## UUT 1f

Test Report# R15070114-2 (UUT 1f)

**Manufacturer:** Eaton Corporation  
**Model Line:** 9PX - 4-Post Installation  
**Model Number:** 9PX2000RT (VRLA)  
**Serial Number:** PA19P41KK0

### Highest Passed Test Level

S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>flx-h</sub>	A <sub>rig-h</sub>	A <sub>flx-v</sub>	A <sub>rig-v</sub>
2.0	1	1.5	3.20	2.40	2.13	0.85
3.2	0					

### 4-Post Rack Configuration

Height (in.)	Rack Configuration 1: 4-Post Rack		Weight (lbs.)
	Position on rack	Position on rack RMU	
78.5	Empty		42
76.75	UUT 1c (9PXEBM72RT-L)		41
75	Empty		40
73.25	UUT 1b (9PX1500GRT-L)		39
71.5	Empty		38
69.75	Empty		37
68	UUT 1a (9PX3000RTN-L)		36
66.25	Empty		35
64.5	Empty		34
62.75	UUT 1f (9PX2000RT (VRLA))		33
61	Empty		32
59.25	Empty		31
57.5	UUT 1g (9PX3000RT (VRLA))		30
55.75	Empty		29
54	Empty		28
52.25	UUT 1e (9PXEBM192RT-L)		27
50.5	Empty		26
48.75	Empty		25
47	UUT 1d (9PX6k-L)		24
45.25	Empty		23
43.5	Empty		22
41.75	Empty		21
40	Empty		20
38.25	Empty		19
36.5	Empty		18
34.75	Added Weight (200 lbs.)		17
33	Empty		16
31.25	Empty		15
29.5	Empty		14
27.75	Empty		13
26	Empty		12
24.25	Empty		11
22.5	Empty		10
20.75	Added Weight (187.3 lbs.)		9
19	Empty		8
17.25	Empty		7
15.5	Empty		6
13.75	Empty		5
12	Empty		4
10.25	Empty		3
8.5	Empty		2
6.75	Empty		1
5			

#### Tripp Lite 4-post Rack Mounting Summary

Rack Configuration Total Weight (Including rack): 1020 lbs.  
 Max Rack C.G.: 43"  
 Max Installation CG Height for UUT1f: 61"





## UUT 1g

Test Report# R15070114-2 (UUT 1g)

**Manufacturer:** Eaton Corporation  
**Model Line:** 9PX - 4-Post Installation  
**Model Number:** 9PX3000RT (VRLA)  
**Serial Number:** PA20N16TW0

Highest Passed Test Level						
$S_{DS}$	z/h	$I_p$	$A_{flx-h}$	$A_{rig-h}$	$A_{flx-v}$	$A_{rig-v}$
2.0	1	1.5	3.20	2.40	2.13	0.85
3.2	0					

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
23.8	17.3	3.4	53.7

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
N/A	N/A	N/A

Building Codes	Test Criteria	Construction/Option Summary
CBC 2022	ICC-ES AC156	NEMA 1 Powder Coated Carbon Steel Enclosure

UUT Mounting Details:	List of Included Subcomponents
-----------------------	--------------------------------



Description	Model #
BY: Mohammad Karim N/A	N/A
DATE: 11/06/2024	

UUT was mounted in rack using Eaton 4-post Seismic Mounting Kit (P/N: AC8A00) with (4) M6-14 screws. Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

## UUT 1g

Test Report# R15070114-2 (UUT 1g)

**Manufacturer:** Eaton Corporation  
**Model Line:** 9PX - 4-Post Installation  
**Model Number:** 9PX3000RT (VRLA)  
**Serial Number:** PA20N16TW0

Highest Passed Test Level						
S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>flx-h</sub>	A <sub>rig-h</sub>	A <sub>flx-v</sub>	A <sub>rig-v</sub>
2.0	1	1.5	3.20	2.40	2.13	0.85
3.2	0					

### 4-Post Rack Configuration

Height (in.)	Rack Configuration 1: 4-Post Rack		Weight (lbs.)
	Position on rack	Position on rack	
78.5		Empty	42
76.75	UUT 1c (9PXEBM72RT-L)		41
75		Empty	40
73.25	UUT 1b (9PX1500GRT-L)		39
71.5		Empty	38
69.75		Empty	37
68	UUT 1a (9PX3000RTN-L)		36
66.25		Empty	35
64.5		Empty	34
62.75	UUT 1f (9PX2000RT (VRLA))		33
61		Empty	32
59.25		Empty	31
57.5	UUT 1g (9PX3000RT (VRLA))		30
55.75		Empty	29
54		Empty	28
52.25	UUT 1e (9PXEBM192RT-L)		27
50.5		Empty	26
48.75		Empty	25
47		Empty	24
45.25	UUT 1d (9PX6k-L)		23
43.5		Empty	22
41.75		Empty	21
40		Empty	20
38.25		Empty	19
36.5		Empty	18
34.75		Empty	17
33	Added Weight (200 lbs.)		16
31.25		Empty	15
29.5		Empty	14
27.75		Empty	13
26		Empty	12
24.25		Empty	11
22.5		Empty	10
20.75	Added Weight (187.3 lbs.)		9
19		Empty	8
17.25		Empty	7
15.5		Empty	6
13.75		Empty	5
12		Empty	4
10.25		Empty	3
8.5		Empty	2
6.75		Empty	1
5		Empty	

**Tripp Lite 4-post Rack Mounting Summary**  
 Rack Configuration Total Weight (Including rack): 1020 lbs.  
 Max Rack C.G.: 43"  
 Max Installation CG Height for UUT1g: 55.75"



## UUT 2

Test Report# R15070114-2 (UUT 2)

**Manufacturer:** Eaton Corporation  
**Model Line:** 9PX - 2-Post Installation  
**Model Number:** SB85219084FB (Cooper B-Line)  
**Serial Number:** N/A

Highest Passed Test Level						
S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>flx-h</sub>	A <sub>rig-h</sub>	A <sub>flx-v</sub>	A <sub>rig-v</sub>
2.0	1	1.5	3.20	2.40	2.13	0.85
3.2	0					

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
23.8	24.8	84.0	1,015

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
7.63	10.22	>33.3

Building Codes
CBC 2022

Test Criteria
ICC-ES AC156

Construction/Option Summary
NEMA 1 Powder Coated Carbon Steel Enclosure

### UUT Mounting Details:



Cooper B-line model SB85219084FB 2-Post rack was rigid base mounted with (4) 1/2" Grade 5 bolts and washers. Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

### List of Included Subcomponents

Description	Model #
UUT2a	9PX3000RTN-L
UUT2b	9PX1500GRT-L
UUT2c	9PXEBM72RT-L
UUT2d	9PX6k-L
UUT2e	9PXEBM192RT-L
UUT2f	9PX2000RT (VRLA)
UUT2g	9PX3000RT (VRLA)

## UUT 2

Test Report# R15070114-2 (UUT 2)

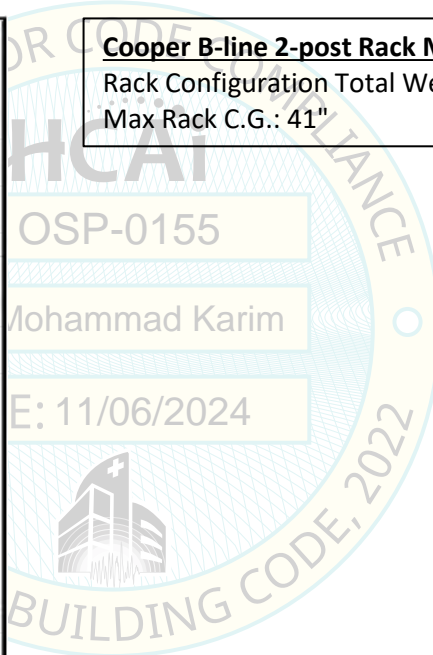
**Manufacturer:** Eaton Corporation  
**Model Line:** 9PX - 2-Post Installation  
**Model Number:** SB85219084FB (Cooper B-Line)  
**Serial Number:** N/A

Highest Passed Test Level						
S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>flx-h</sub>	A <sub>rig-h</sub>	A <sub>flx-v</sub>	A <sub>rig-v</sub>
2.0	1	1.5	3.20	2.40	2.13	0.85
3.2	0					

### 2-Post Rack Configuration

Height (in.)	Rack Configuration 2: 2-Post Rack		Weight (lbs.)
	Position on rack	Position on rack	
78.5		Empty	42
76.75		UUT 2c (9PXEBM72RT-L)	41
75		Empty	40
73.25		UUT 2b (9PX1500GRT-L)	39
71.5			38
69.75		Empty	37
68		UUT 2a (9PX3000RTN-L)	36
66.25			35
64.5		Empty	34
62.75		UUT 2f (9PX2000RT (VRLA))	33
61			32
59.25		Empty	31
57.5		UUT 2g (9PX3000RT (VRLA))	30
55.75			29
54		Empty	28
52.25		UUT 2e (9PXEBM192RT-L)	27
50.5			26
48.75		Empty	25
47			24
45.25		UUT 2d (9PX6k-L)	23
43.5			22
41.75			21
40		Empty	20
38.25			19
36.5			18
34.75			17
33		Added Weight (200 lbs.)	16
31.25			15
29.5			14
27.75			13
26		Empty	12
24.25			11
22.5			10
20.75		Added Weight (247.3 lbs.)	9
19			8
17.25			7
15.5			6
13.75			5
12		Empty	4
10.25			3
8.5			2
6.75			1
5			

**Cooper B-line 2-post Rack Mounting Summary**  
 Rack Configuration Total Weight (Including rack): 1015 lbs.  
 Max Rack C.G.: 41"



## UUT 2a

Test Report# R15070114-2 (UUT 2a)

**Manufacturer:** Eaton Corporation  
**Model Line:** 9PX - 2-Post Installation  
**Model Number:** 9PX3000RTN-L  
**Serial Number:** PG02P42550

Highest Passed Test Level						
S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>flx-h</sub>	A <sub>rig-h</sub>	A <sub>flx-v</sub>	A <sub>rig-v</sub>
2.0	1		3.20	2.40	2.13	0.85
3.2	0	1.5				

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
23.8	17.3	3.4	53.7

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
N/A	N/A	N/A

Building Codes	Test Criteria	Construction/Option Summary
CBC 2022	ICC-ES AC156	NEMA 1 Powder Coated Carbon Steel Enclosure

UUT Mounting Details:	List of Included Subcomponents
-----------------------	--------------------------------



Description	Model #
N/A	N/A

UUT was mounted in rack using Eaton 2-post Seismic Mounting Kit (P/N: AC89FE) with (4) 12-24 screws. Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

## UUT 2a

Test Report# R15070114-2 (UUT 2a)

**Manufacturer:** Eaton Corporation  
**Model Line:** 9PX - 2-Post Installation  
**Model Number:** 9PX3000RTN-L  
**Serial Number:** PG02P42550

Highest Passed Test Level						
S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>flx-h</sub>	A <sub>rig-h</sub>	A <sub>flx-v</sub>	A <sub>rig-v</sub>
2.0	1		3.20	2.40	2.13	0.85
3.2	0	1.5				

### 2-Post Rack Configuration

Height (in.)	Rack Configuration 2: 2-Post Rack		Weight (lbs.)
	Position on rack	Position on rack	
78.5		Empty	42
76.75		UUT 2c (9PXEBM72RT-L)	41
75		Empty	40
73.25		UUT 2b (9PX1500GRT-L)	39
71.5			38
69.75		Empty	37
68		UUT 2a (9PX3000RTN-L)	36
66.25			35
64.5		Empty	34
62.75		UUT 2f (9PX2000RT (VRLA))	33
61			32
59.25		Empty	31
57.5		UUT 2g (9PX3000RT (VRLA))	30
55.75			29
54		Empty	28
52.25		UUT 2e (9PXEBM192RT-L)	27
50.5			26
48.75		Empty	25
47			24
45.25		UUT 2d (9PX6k-L)	23
43.5			22
41.75			21
40		Empty	20
38.25			19
36.5			18
34.75			17
33		Added Weight (200 lbs.)	16
31.25			15
29.5			14
27.75			13
26		Empty	12
24.25			11
22.5			10
20.75		Added Weight (247.3 lbs.)	9
19			8
17.25			7
15.5			6
13.75			5
12		Empty	4
10.25			3
8.5			2
6.75			1
5			

**Cooper B-line 2-post Rack Mounting Summary**  
 Rack Configuration Total Weight (Including rack): 1015 lbs.  
 Max Rack C.G.: 41"  
 Max Installation CG Height for UUT2a: 66.25"



## UUT 2b

Test Report# R15070114-2 (UUT 2b)

**Manufacturer:** Eaton Corporation  
**Model Line:** 9PX - 2-Post Installation  
**Model Number:** 9PX1500GRT-L  
**Serial Number:** PG03R13149

### Highest Passed Test Level

$S_{DS}$	z/h	$I_p$	$A_{flx-h}$	$A_{rig-h}$	$A_{flx-v}$	$A_{rig-v}$
2.0	1	1.5	3.20	2.40	2.13	0.85
3.2	0					

### Dimensions/Weights

Depth (in)	Width (in)	Height (in)	Weight (lbs.)
17.7	18.3	3.4	34.8

### Lowest Natural Frequency (Hz)

Front-Back	Side-Side	Vertical
N/A	N/A	N/A

### Building Codes

CBC 2022

### Test Criteria

ICC-ES AC156

### Construction/Option Summary

NEMA 1 Powder Coated Carbon Steel Enclosure

### UUT Mounting Details:



### List of Included Subcomponents

Description	Model #
BY: Mohammad Karim	N/A
DATE: 11/06/2024	

UUT was mounted in rack using Eaton 2-post Seismic Mounting Kit (P/N: AC89FE) with (4) 12-24 screws. (2) AC8BDF mounts were also installed to support the back of the UUT. Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

## UUT 2b

Test Report# R15070114-2 (UUT 2b)

**Manufacturer:** Eaton Corporation  
**Model Line:** 9PX - 2-Post Installation  
**Model Number:** 9PX1500GRT-L  
**Serial Number:** PG03R13149

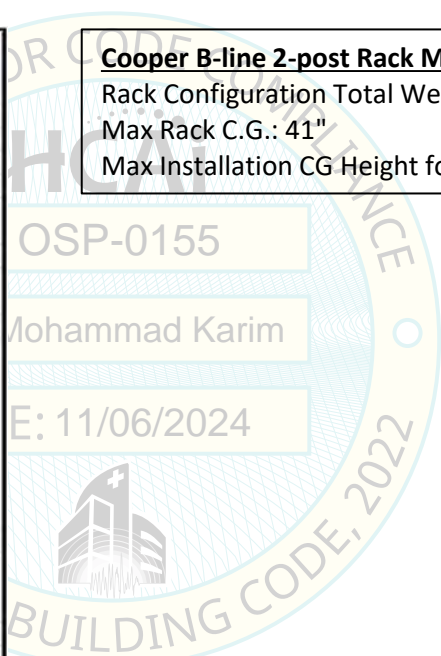
Highest Passed Test Level						
S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>flx-h</sub>	A <sub>rig-h</sub>	A <sub>flx-v</sub>	A <sub>rig-v</sub>
2.0	1					
3.2	0	1.5	3.20	2.40	2.13	0.85

### 2-Post Rack Configuration

Height (in.)	Rack Configuration 2: 2-Post Rack		Weight (lbs.)
	Position on rack	Position on rack	
78.5		Empty	42
76.75		UUT 2c (9PXEBM72RT-L)	41
75		Empty	40
73.25		UUT 2b (9PX1500GRT-L)	39
71.5		Empty	38
69.75		Empty	37
68		UUT 2a (9PX3000RTN-L)	36
66.25		Empty	35
64.5		UUT 2f	34
62.75		(9PX2000RT (VRLA))	33
61		Empty	32
59.25		UUT 2g	31
57.5		(9PX3000RT (VRLA))	30
55.75		Empty	29
54		UUT 2e (9PXEBM192RT-L)	28
52.25		Empty	27
50.5		UUT 2d (9PX6k-L)	26
48.75		Empty	25
47		Empty	24
45.25		Empty	23
43.5		Empty	22
41.75		Empty	21
40		Empty	20
38.25		Empty	19
36.5		Empty	18
34.75		Empty	17
33		Added Weight (200 lbs.)	16
31.25		Empty	15
29.5		Empty	14
27.75		Empty	13
26		Empty	12
24.25		Empty	11
22.5		Empty	10
20.75		Added Weight (247.3 lbs.)	9
19		Empty	8
17.25		Empty	7
15.5		Empty	6
13.75		Empty	5
12		Empty	4
10.25		Empty	3
8.5		Empty	2
6.75		Empty	1
5		Empty	

#### Cooper B-line 2-post Rack Mounting Summary

Rack Configuration Total Weight (Including rack): 1015 lbs.  
 Max Rack C.G.: 41"  
 Max Installation CG Height for UUT2b: 71.5"





## UUT 2c

Test Report# R15070114-2 (UUT 2c)

**Manufacturer:** Eaton Corporation  
**Model Line:** 9PX - 2-Post Installation  
**Model Number:** 9PXEBM72RT-L  
**Serial Number:** GG07P41031

Highest Passed Test Level						
$S_{DS}$	$z/h$	$I_p$	$A_{flx-h}$	$A_{rig-h}$	$A_{flx-v}$	$A_{rig-v}$
2.0	1		3.20	2.40	2.13	0.85
3.2	0	1.5				

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
23.7	19.3	1.7	46.6

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
N/A	N/A	N/A

**Building Codes**  
CBC 2022

**Test Criteria**  
ICC-ES AC156

**Construction/Option Summary**  
NEMA 1 Powder Coated Carbon Steel Enclosure

### UUT Mounting Details:



UUT was mounted in rack using Eaton 2-post Seismic Mounting Kit (P/N: AC89FE) with (4) 12-24 screws. Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

### List of Included Subcomponents

Description	Model #
BY: Mohammad Karim	N/A
DATE: 11/06/2024	

## UUT 2c

Test Report# R15070114-2 (UUT 2c)

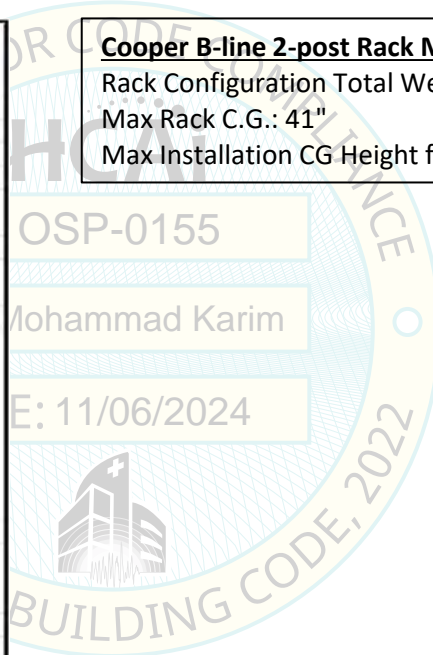
**Manufacturer:** Eaton Corporation  
**Model Line:** 9PX - 2-Post Installation  
**Model Number:** 9PXEBM72RT-L  
**Serial Number:** GG07P41031

Highest Passed Test Level						
S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>flx-h</sub>	A <sub>rig-h</sub>	A <sub>flx-v</sub>	A <sub>rig-v</sub>
2.0	1	1.5	3.20	2.40	2.13	0.85
3.2	0					

### 2-Post Rack Configuration

Height (in.)	Rack Configuration 2: 2-Post Rack		Weight (lbs.)
	Position on rack	Position on rack RMU	
78.5	Empty		42
76.75	<b>UUT 2c (9PXEBM72RT-L)</b>		41
75	Empty		40
73.25	<b>UUT 2b (9PX1500GRT-L)</b>		39
71.5	Empty		38
69.75	Empty		37
68	<b>UUT 2a (9PX3000RTN-L)</b>		36
66.25	Empty		35
64.5	Empty		34
62.75	<b>UUT 2f (9PX2000RT (VRLA))</b>		33
61	Empty		32
59.25	Empty		31
57.5	<b>UUT 2g (9PX3000RT (VRLA))</b>		30
55.75	Empty		29
54	Empty		28
52.25	<b>UUT 2e (9PXEBM192RT-L)</b>		27
50.5	Empty		26
48.75	Empty		25
47	Empty		24
45.25	<b>UUT 2d (9PX6k-L)</b>		23
43.5	Empty		22
41.75	Empty		21
40	Empty		20
38.25	Empty		19
36.5	Empty		18
34.75	Empty		17
33	<b>Added Weight (200 lbs.)</b>		16
31.25	Empty		15
29.5	Empty		14
27.75	Empty		13
26	Empty		12
24.25	Empty		11
22.5	Empty		10
20.75	<b>Added Weight (247.3 lbs.)</b>		9
19	Empty		8
17.25	Empty		7
15.5	Empty		6
13.75	Empty		5
12	Empty		4
10.25	Empty		3
8.5	Empty		2
6.75	Empty		1
5	Empty		0

**Cooper B-line 2-post Rack Mounting Summary**  
 Rack Configuration Total Weight (Including rack): 1015 lbs.  
 Max Rack C.G.: 41"  
 Max Installation CG Height for UUT2c: 76.75"



## UUT 2d

Test Report# R15070114-2 (UUT 2d)

**Manufacturer:** Eaton Corporation  
**Model Line:** 9PX - 2-Post Installation  
**Model Number:** 9PX6k-L  
**Serial Number:** P260R21366

Highest Passed Test Level						
S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>flx-h</sub>	A <sub>rig-h</sub>	A <sub>flx-v</sub>	A <sub>rig-v</sub>
2.0	1					
3.2	0	1.5	3.20	2.40	2.13	0.85

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
28.4	20.3	5.7	81.2

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
N/A	N/A	N/A

Building Codes	Test Criteria	Construction/Option Summary
CBC 2022	ICC-ES AC156	NEMA 1 Powder Coated Carbon Steel Enclosure

### UUT Mounting Details: List of Included Subcomponents



Description	Model #
N/A	N/A

UUT was mounted in rack using Eaton 2-post Seismic Mounting Kit (P/N: AC89FE) with (4) 12-24 screws. Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

## UUT 2d

Test Report# R15070114-2 (UUT 2d)

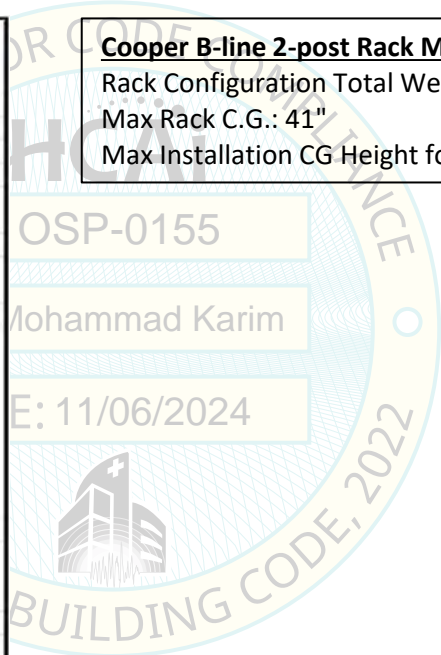
**Manufacturer:** Eaton Corporation  
**Model Line:** 9PX - 2-Post Installation  
**Model Number:** 9PX6k-L  
**Serial Number:** P260R21366

Highest Passed Test Level						
S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>flx-h</sub>	A <sub>rig-h</sub>	A <sub>flx-v</sub>	A <sub>rig-v</sub>
2.0	1					
3.2	0	1.5	3.20	2.40	2.13	0.85

### 2-Post Rack Configuration

Height (in.)	Rack Configuration 2: 2-Post Rack		Weight (lbs.)
	Position on rack	Position on rack	
		RMU	
78.5	Empty		42
76.75	UUT 2c (9PXEBM72RT-L)		41
75	Empty		40
73.25	UUT 2b (9PX1500GRT-L)		39
71.5			38
69.75	Empty		37
68	UUT 2a (9PX3000RTN-L)		36
66.25			35
64.5	Empty		34
62.75	UUT 2f (9PX2000RT (VRLA))		33
61			32
59.25	Empty		31
57.5	UUT 2g (9PX3000RT (VRLA))		30
55.75			29
54	Empty		28
52.25	UUT 2e (9PXEBM192RT-L)		27
50.5			26
48.75	Empty		25
47	UUT 2d (9PX6k-L)		24
45.25			23
43.5			22
41.75			21
40			20
38.25	Empty		19
36.5			18
34.75	Added Weight (200 lbs.)		17
33			16
31.25			15
29.5			14
27.75	Empty		13
26			12
24.25			11
22.5			10
20.75	Added Weight (247.3 lbs.)		9
19			8
17.25			7
15.5			6
13.75			5
12	Empty		4
10.25			3
8.5			2
6.75			1
5			

**Cooper B-line 2-post Rack Mounting Summary**  
 Rack Configuration Total Weight (Including rack): 1015 lbs.  
 Max Rack C.G.: 41"  
 Max Installation CG Height for UUT2d: 43.5"



## UUT 2e

Test Report# R15070114-2 (UUT 2e)

**Manufacturer:** Eaton Corporation  
**Model Line:** 9PX - 2-Post Installation  
**Model Number:** 9PXEBM192RT-L  
**Serial Number:** G261P33044

Highest Passed Test Level						
S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>flx-h</sub>	A <sub>rig-h</sub>	A <sub>flx-v</sub>	A <sub>rig-v</sub>
2.0	1					
3.2	0	1.5	3.20	2.40	2.13	0.85

### Dimensions/Weights

Depth (in)	Width (in)	Height (in)	Weight (lbs.)
25.4	21.3	3.4	79

### Lowest Natural Frequency (Hz)

Front-Back	Side-Side	Vertical
N/A	N/A	N/A

### Building Codes

CBC 2022

### Test Criteria

ICC-ES AC156

### Construction/Option Summary

NEMA 1 Powder Coated Carbon Steel Enclosure

### UUT Mounting Details:



UUT was mounted in rack using Eaton 2-post Seismic Mounting Kit (P/N: AC89FE) with (4) 12-24 screws. Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

### List of Included Subcomponents

Description	Model #
N/A	N/A

## UUT 2e

Test Report# R15070114-2 (UUT 2e)

**Manufacturer:** Eaton Corporation  
**Model Line:** 9PX - 2-Post Installation  
**Model Number:** 9PXEBM192RT-L  
**Serial Number:** G261P33044

Highest Passed Test Level						
S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>flx-h</sub>	A <sub>rig-h</sub>	A <sub>flx-v</sub>	A <sub>rig-v</sub>
2.0	1		3.20	2.40	2.13	0.85
3.2	0	1.5				

### 2-Post Rack Configuration

Height (in.)	Rack Configuration 2: 2-Post Rack		Weight (lbs.)
	Position on rack	Position on rack	
		RMU	
78.5	Empty		42
76.75	UUT 2c (9PXEBM72RT-L)		41
75	Empty		40
73.25	UUT 2b (9PX1500GRT-L)		39
71.5			38
69.75	Empty		37
68	UUT 2a (9PX3000RTN-L)		36
66.25			35
64.5	Empty		34
62.75	UUT 2f (9PX2000RT (VRLA))		33
61			32
59.25	Empty		31
57.5	UUT 2g (9PX3000RT (VRLA))		30
55.75			29
54	Empty		28
52.25	UUT 2e (9PXEBM192RT-L)		27
50.5			26
48.75	Empty		25
47			24
45.25	UUT 2d (9PX6k-L)		23
43.5			22
41.75			21
40			20
38.25	Empty		19
36.5			18
34.75			17
33	Added Weight (200 lbs.)		16
31.25			15
29.5			14
27.75			13
26	Empty		12
24.25			11
22.5			10
20.75	Added Weight (247.3 lbs.)		9
19			8
17.25			7
15.5			6
13.75			5
12	Empty		4
10.25			3
8.5			2
6.75			1
5			

**Cooper B-line 2-post Rack Mounting Summary**  
 Rack Configuration Total Weight (Including rack): 1015 lbs.  
 Max Rack C.G.: 41"  
 Max Installation CG Height for UUT2e: 50.5"



## UUT 2f

Test Report# R15070114-2 (UUT 2f)

**Manufacturer:** Eaton Corporation  
**Model Line:** 9PX - 2-Post Installation  
**Model Number:** 9PX2000RT (VRLA)  
**Serial Number:** PA19P41KK0

Highest Passed Test Level						
S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>flx-h</sub>	A <sub>rig-h</sub>	A <sub>flx-v</sub>	A <sub>rig-v</sub>
2.0	1					
3.2	0	1.5	3.20	2.40	2.13	0.85

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
23.8	17.3	3.4	53.7

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
N/A	N/A	N/A

Building Codes
CBC 2022

Test Criteria
ICC-ES AC156

Construction/Option Summary
NEMA 1 Powder Coated Carbon Steel Enclosure

### UUT Mounting Details:

### List of Included Subcomponents



Description	Model #
N/A	N/A

UUT was mounted in rack using Eaton 2-post Seismic Mounting Kit (P/N: AC89FE) with (4) 12-24 screws. Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

## UUT 2f

Test Report# R15070114-2 (UUT 2f)

**Manufacturer:** Eaton Corporation  
**Model Line:** 9PX - 2-Post Installation  
**Model Number:** 9PX2000RT (VRLA)  
**Serial Number:** PA19P41KK0

### Highest Passed Test Level

S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>flx-h</sub>	A <sub>rig-h</sub>	A <sub>flx-v</sub>	A <sub>rig-v</sub>
2.0	1		3.20	2.40	2.13	0.85
3.2	0	1.5				

## 2-Post Rack Configuration

Height (in.)	Position on rack	Position on rack	Weight (lbs.)
		RMU	
78.5	Empty		42
76.75	UUT 2c (9PXEBM72RT-L)		41
75	Empty		40
73.25	UUT 2b (9PX1500GRT-L)		39
71.5	Empty		38
69.75	Empty		37
68	UUT 2a (9PX3000RTN-L)		36
66.25	Empty		35
64.5	Empty		34
62.75	UUT 2f (9PX2000RT (VRLA))		33
61	Empty		32
59.25	Empty		31
57.5	UUT 2g (9PX3000RT (VRLA))		30
55.75	Empty		29
54	Empty		28
52.25	UUT 2e (9PXEBM192RT-L)		27
50.5	Empty		26
48.75	Empty		25
47	UUT 2d (9PX6k-L)		24
45.25	Empty		23
43.5	Empty		22
41.75	Empty		21
40	Empty		20
38.25	Empty		19
36.5	Empty		18
34.75	Added Weight (200 lbs.)		17
33	Empty		16
31.25	Empty		15
29.5	Empty		14
27.75	Empty		13
26	Empty		12
24.25	Empty		11
22.5	Empty		10
20.75	Added Weight (247.3 lbs.)		9
19	Empty		8
17.25	Empty		7
15.5	Empty		6
13.75	Empty		5
12	Empty		4
10.25	Empty		3
8.5	Empty		2
6.75	Empty		1
5			

### Cooper B-line 2-post Rack Mounting Summary

Rack Configuration Total Weight (Including rack): 1015 lbs.  
 Max Rack C.G.: 41"  
 Max Installation CG Height for UUT2f: 61"





## UUT 2g

Test Report# R15070114-2 (UUT 2g)

**Manufacturer:** Eaton Corporation  
**Model Line:** 9PX - 2-Post Installation  
**Model Number:** 9PX3000RT (VRLA)  
**Serial Number:** PA20N16TW0

Highest Passed Test Level						
S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>flx-h</sub>	A <sub>rig-h</sub>	A <sub>flx-v</sub>	A <sub>rig-v</sub>
2.0	1		3.20	2.40	2.13	0.85
3.2	0	1.5				

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
23.8	17.3	3.4	53.7

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
N/A	N/A	N/A

Building Codes	Test Criteria	Construction/Option Summary
CBC 2022	ICC-ES AC156	NEMA 1 Powder Coated Carbon Steel Enclosure

UUT Mounting Details:	List of Included Subcomponents
-----------------------	--------------------------------



Description	Model #
BY: Mohammad Karim	N/A
DATE: 11/06/2024	

UUT was mounted in rack using Eaton 2-post Seismic Mounting Kit (P/N: AC89FE) with (4) 12-24 screws. Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

## UUT 2g

Test Report# R15070114-2 (UUT 2g)

**Manufacturer:** Eaton Corporation  
**Model Line:** 9PX - 2-Post Installation  
**Model Number:** 9PX3000RT (VRLA)  
**Serial Number:** PA20N16TW0

Highest Passed Test Level						
S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>flx-h</sub>	A <sub>rig-h</sub>	A <sub>flx-v</sub>	A <sub>rig-v</sub>
2.0	1	1.5	3.20	2.40	2.13	0.85
3.2	0					

### 2-Post Rack Configuration

Height (in.)	Rack Configuration 2: 2-Post Rack		Weight (lbs.)
	Position on rack	Position on rack	
		RMU	
78.5	Empty		42
76.75	UUT 2c (9PXEBM72RT-L)		41
75	Empty		40
73.25	UUT 2b (9PX1500GRT-L)		39
71.5			38
69.75	Empty		37
68	UUT 2a (9PX3000RTN-L)		36
66.25			35
64.5	Empty		34
62.75	UUT 2f (9PX2000RT (VRLA))		33
61			32
59.25	Empty		31
57.5	UUT 2g (9PX3000RT (VRLA))		30
55.75			29
54	Empty		28
52.25	UUT 2e (9PXEBM192RT-L)		27
50.5			26
48.75	Empty		25
47			24
45.25	UUT 2d (9PX6k-L)		23
43.5			22
41.75			21
40			20
38.25	Empty		19
36.5			18
34.75			17
33	Added Weight (200 lbs.)		16
31.25			15
29.5			14
27.75			13
26	Empty		12
24.25			11
22.5			10
20.75	Added Weight (247.3 lbs.)		9
19			8
17.25			7
15.5			6
13.75			5
12	Empty		4
10.25			3
8.5			2
6.75			1
5			

**Cooper B-line 2-post Rack Mounting Summary**  
 Rack Configuration Total Weight (Including rack): 1015 lbs.  
 Max Rack C.G.: 41"  
 Max Installation CG Height for UUT2g: 55.75"



# SPECIAL SEISMIC CERTIFICATION UUT SUMMARY

## UUT 4

Test Report# R10964174 Rev. 1

**Manufacturer:** Eaton Corporation  
**Model Line:** 9PX  
**Model Number:** 9PX8K Kit  
**Serial Number:** G219F26048KIT

Highest Passed Test Level						
S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>flx-h</sub>	A <sub>rig-h</sub>	A <sub>flx-v</sub>	A <sub>rig-v</sub>
2.0	1		3.2	2.4	2.13	0.85
3.2	0	1.5				

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
32	10.2	17.3	193

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
>33.3	16.53	>33.3

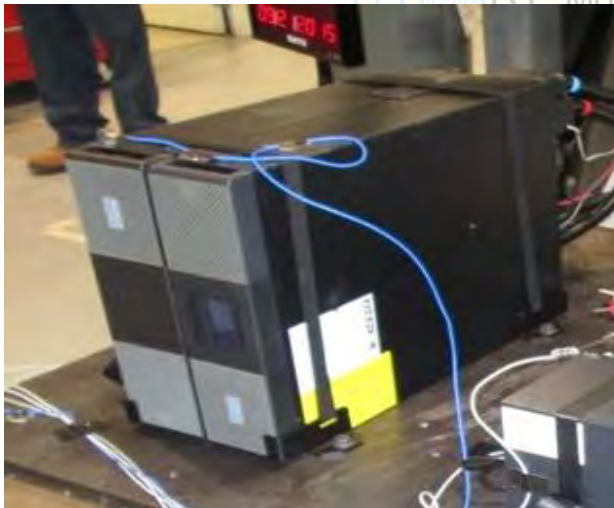
Building Codes
CBC 2022

Test Criteria
ICC-ES AC156

Construction/Option Summary
NEMA 1 Powder Coated Carbon Steel Enclosure

### UUT Mounting Details:

### List of Included Subcomponents



Description	Model #
Battery (CSB)	HR1234WF2
Bypass Switch	MBP11K208
Battery Enclosure	9PXEbm240RT

UUT was rigid base mounted using Eaton Seismic Mounting Kit (SMKITA) with (4) 1/2" Grade 8 bolts and washers. Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

## UUT 17

Test Report# 71152R13

**Manufacturer:** Eaton Corporation  
**Model Line:** 9PX  
**Model Number:** 9PX6K  
**Serial Number:** G205D26018

Highest Passed Test Level						
S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>flx-h</sub>	A <sub>rig-h</sub>	A <sub>flx-v</sub>	A <sub>rig-v</sub>
3.2	1.0	1.5	5.12	3.84	2.14	0.86

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
28.4	5.1	17.3	105

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
>33.3	11.0	>33.3

Building Codes
CBC 2022

Test Criteria
ICC-ES AC156

Construction/Option Summary
NEMA 1 Powder Coated Carbon Steel Enclosure

### UUT Mounting Details:

### List of Included Subcomponents



Description	Model #
Battery (B&B)	HR5.5-12

UUT was rigid base mounted using Eaton Seismic Mounting Kit (SMKITA) with (4) 1/2" Grade 8 bolts and washers. Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

## UUT 20

Test Report# 71152R13

**Manufacturer:** Eaton Corporation  
**Model Line:** 9PX  
**Model Number:** 9PXEBM180RT  
**Serial Number:** G216D24023

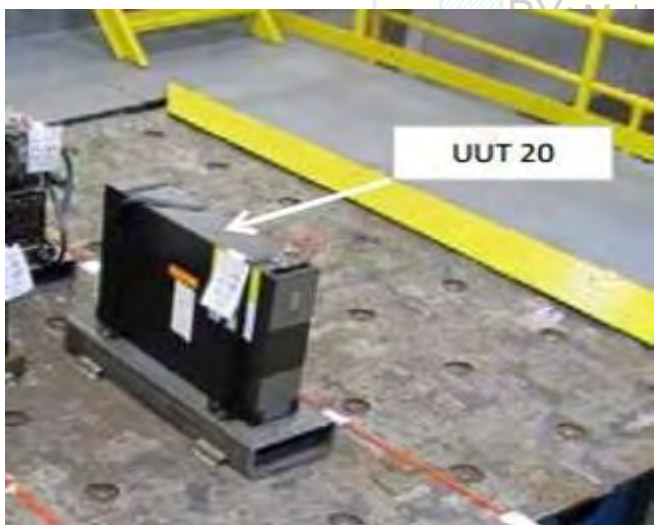
Highest Passed Test Level						
S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>flx-h</sub>	A <sub>rig-h</sub>	A <sub>flx-v</sub>	A <sub>rig-v</sub>
3.2	1.0	1.5	5.12	3.84	2.14	0.86

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
25.4	5.1	17.3	146

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
>33.3	10.0	>33.3

Building Codes	Test Criteria	Construction/Option Summary
CBC 2022	ICC-ES AC156	NEMA 1 Powder Coated Carbon Steel Enclosure

UUT Mounting Details:	List of Included Subcomponents
-----------------------	--------------------------------



Description	Model #
Battery (B&B)	HR5.5-12

UUT was rigid base mounted using Eaton Seismic Mounting Kit (SMKITA) with (4) 1/2" Grade 8 bolts and washers. Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

## UUT 21

Test Report#

R12717216 Rev. 1  
(UUT 1)

**Manufacturer:** Eaton Corporation  
**Model Line:** 9SX  
**Model Number:** 9SX700  
**Serial Number:** PC21J38557

### Highest Passed Test Level

$S_{DS}$	$z/h$	$I_p$	$A_{flx-h}$	$A_{rig-h}$	$A_{flx-v}$	$A_{rig-v}$
2.0	1	1.5	3.2	2.4	2.13	0.85
3.2	0					

### Dimensions/Weights

Depth (in)	Width (in)	Height (in)	Weight (lbs.)
13.9	6.3	9.9	26

### Lowest Natural Frequency (Hz)

Front-Back	Side-Side	Vertical
>33.3	>33.3	>33.3

### Building Codes

CBC 2022

### Test Criteria

ICC-ES AC156

### Construction/Option Summary

NEMA 1 Powder Coated Carbon Steel Enclosure  
Input 5-15P; Output (6) 5-15R

### UUT Mounting Details:



UUT was rigid base mounted using Eaton Seismic Mounting Kit (SMKITA) with (4) 1/2" Grade 8 bolts and washers.  
Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

### List of Included Subcomponents

Description	Model #
Battery (Leoch)	DJW12-9.0

## UUT 22

Test Report#

R12717216 Rev. 1  
(UUT 2)

**Manufacturer:** Eaton Corporation  
**Model Line:** 9SX  
**Model Number:** 9SX2000  
**Serial Number:** PC24J37235

### Highest Passed Test Level

S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>flx-h</sub>	A <sub>rig-h</sub>	A <sub>flx-v</sub>	A <sub>rig-v</sub>
2.0	1	1.5	3.2	2.4	2.13	0.85
3.2	0					

### Dimensions/Weights

Depth (in)	Width (in)	Height (in)	Weight (lbs.)
16.2	8.4	13.6	76

### Lowest Natural Frequency (Hz)

Front-Back	Side-Side	Vertical
>33.3	>33.3	>33.3

### Building Codes

CBC 2022

### Test Criteria

ICC-ES AC156

### Construction/Option Summary

NEMA 1 Powder Coated Carbon Steel Enclosure  
Input L5-20P; Output (6) 5-20R, (1) L5-20R

### UUT Mounting Details:

### List of Included Subcomponents



UUT was rigid base mounted using Eaton Seismic Mounting Kit (SMKITA) with (4) 1/2" Grade 8 bolts and washers.

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

Description	Model #
Battery (Leoch)	DJW12-9.0

# SPECIAL SEISMIC CERTIFICATION UUT SUMMARY

## UUT 23

Test Report#

R12717216 Rev. 1  
(UUT 3)

**Manufacturer:** Eaton Corporation  
**Model Line:** 9SX  
**Model Number:** 9SX1000G  
**Serial Number:** PC27J36110

Highest Passed Test Level						
$S_{DS}$	$z/h$	$I_p$	$A_{flx-h}$	$A_{rig-h}$	$A_{flx-v}$	$A_{rig-v}$
2.0	1	1.5	3.2	2.4	2.13	0.85
3.2	0					

### Dimensions/Weights

Depth (in)	Width (in)	Height (in)	Weight (lbs.)
15.1	6.3	9.9	33

### Lowest Natural Frequency (Hz)

Front-Back	Side-Side	Vertical
>33.3	>33.3	>33.3

### Building Codes

CBC 2022

### Test Criteria

ICC-ES AC156

### Construction/Option Summary

NEMA 1 Powder Coated Carbon Steel Enclosure  
Input C14; Output (6) 5-15R

### UUT Mounting Details:



### List of Included Subcomponents

Description	Model #
Battery (Leoch)	DJW12-9.0

UUT was rigid base mounted using Eaton Seismic Mounting Kit (SMKITA) with (4) 1/2" Grade 8 bolts and washers. Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.



## UUT 24

Test Report#

 R12717216 Rev. 1  
(UUT 4)

**Manufacturer:** Eaton Corporation  
**Model Line:** 9SX  
**Model Number:** 9SX1500G  
**Serial Number:** PC28J34057

### Highest Passed Test Level

$S_{DS}$	$z/h$	$I_p$	$A_{flx-h}$	$A_{rig-h}$	$A_{flx-v}$	$A_{rig-v}$
2.0	1					
3.2	0	1.5	3.2	2.4	2.13	0.85

### Dimensions/Weights

Depth (in)	Width (in)	Height (in)	Weight (lbs.)
17.1	6.3	9.9	41

### Lowest Natural Frequency (Hz)

Front-Back	Side-Side	Vertical
>33.3	>33.3	>33.3

### Building Codes

CBC 2022

### Test Criteria

ICC-ES AC156

### Construction/Option Summary

NEMA 1 Powder Coated Carbon Steel Enclosure  
 Input C14; Output (8) C13

### UUT Mounting Details:

### List of Included Subcomponents



#### Description

#### Model #

Battery (Leoch)

DJW12-9.0

UUT was rigid base mounted using Eaton Seismic Mounting Kit (SMKITA) with (4) 1/2" Grade 8 bolts and washers.

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.



## UUT 26

Test Report#

R12717216 Rev. 1  
(UUT6 & UUT8)

**Manufacturer:** Eaton Corporation  
**Model Line:** 9PX  
**Model Number:** 9PX3000GLRT & 9PXEBM72RT  
**Serial Number:** GA25G49011 & GA32J39223

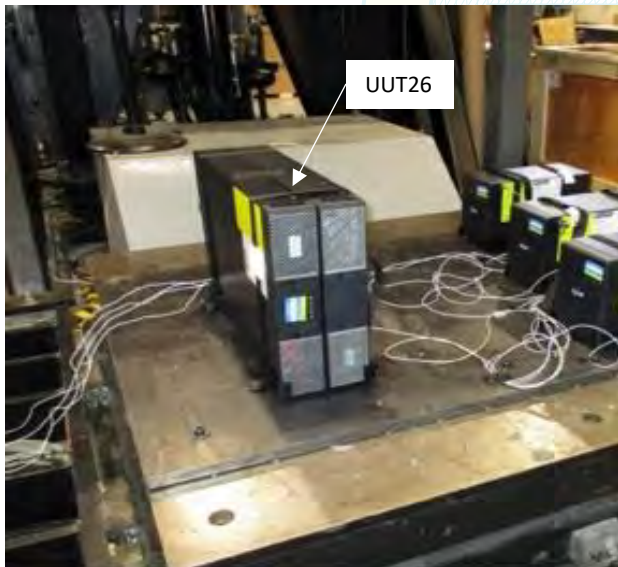
Highest Passed Test Level						
S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>flx-h</sub>	A <sub>rig-h</sub>	A <sub>flx-v</sub>	A <sub>rig-v</sub>
2.0	1	1.5	3.2	2.4	2.13	0.85
3.2	0					

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
23.8	6.8	17.3	152

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
14.8	>33.3	28.85

Building Codes	Test Criteria	Construction/Option Summary
CBC 2022	ICC-ES AC156	NEMA 1 Powder Coated Carbon Steel Enclosure

UUT Mounting Details:	List of Included Subcomponents
-----------------------	--------------------------------



Description	Model #
Battery (Leoch)	DJW12-9.0

UUT was rigid base mounted using Eaton Seismic Mounting Kit (SMKITA) with (4) 1/2" Grade 8 bolts and washers. Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

## UUT 27

Test Report#

R12717216 Rev. 1  
(UUT7 & UUT10)

**Manufacturer:** Eaton Corporation  
**Model Line:** 9PX  
**Model Number:** 9PX3000GLRT w/ Network - M2  
**Serial Number:** GA25G12002

Highest Passed Test Level						
S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>flx-h</sub>	A <sub>rig-h</sub>	A <sub>flx-v</sub>	A <sub>rig-v</sub>
2.0	1					
3.2	0	1.5	3.2	2.4	2.13	0.85

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
23.8	3.4	17.3	64

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
>33.3	17.0	>33.3

Building Codes
CBC 2022

Test Criteria
ICC-ES AC156

Construction/Option Summary
NEMA 1 Powder Coated Carbon Steel Enclosure

### UUT Mounting Details:

### List of Included Subcomponents



Description	Model #
Battery (Leoch)	DJW12-9.0
Network Card (Eaton)	Network-M2

UUT was rigid base mounted using Eaton Seismic Mounting Kit (SMKITA) with (4) 1/2" Grade 8 bolts and washers. Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

## UUT 28

Test Report#

 PR041213-TR-16  
(UUT 24)

**Manufacturer:** Eaton Corporation  
**Model Line:** 5SC  
**Model Number:** 5SC1500  
**Serial Number:** G138E02019

Highest Passed Test Level						
$S_{DS}$	z/h	$I_p$	$A_{flx-h}$	$A_{rig-h}$	$A_{flx-v}$	$A_{rig-v}$
2.58	1		4.13	3.1	1.72	0.69
2.58	0	1.5				

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
16.5	6.0	8.25	34

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
>33.3	18.0	>33.3

Building Codes	Test Criteria	Construction/Option Summary
CBC 2022	ICC-ES AC156	NEMA 1 Powder Coated Carbon Steel Enclosure

**UUT Mounting Details:**



UUT was rigid base mounted using Eaton Seismic Mounting Kit (P-103001016) with (4) 1/2" Grade 8 bolts and washers.  
 Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

**List of Included Subcomponents**

Description	Model #
Battery (Leoch)	PWHR1234W2FR
LCD Display Assembly	126-00187-00
PCBA (Main Power Circuit)	710-15919-10P
PCBA (Comms Circuit)	710-15920-05P

## UUT 29

Test Report#

PR041213-TR-16  
(UUT 25)

**Manufacturer:** Eaton Corporation  
**Model Line:** 5SC  
**Model Number:** 5SC1000  
**Serial Number:** G137F38150

Highest Passed Test Level						
$S_{DS}$	z/h	$I_p$	$A_{flx-h}$	$A_{rig-h}$	$A_{flx-v}$	$A_{rig-v}$
2.58	1	1.5	4.13	3.1	1.72	0.69
2.58	0					

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
14.62	6.0	8.25	24

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
>33.3	18.0	>33.3

Building Codes
CBC 2022

Test Criteria
ICC-ES AC156

Construction/Option Summary
NEMA 1 Powder Coated Carbon Steel Enclosure

**UUT Mounting Details:**



UUT was rigid base mounted using Eaton Seismic Mounting Kit (P-103001016) with (4) 1/2" Grade 8 bolts and washers. Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

**List of Included Subcomponents**

Description	Model #
Battery (Leoch)	PWHR1234W2FR
LCD Display Assembly	126-00187-00
PCBA (Main Power Circuit)	710-15919-10P
PCBA (Comms Circuit)	710-15920-05P