APPLICATION FOR HCAI SPECIAL SEISMIC CERTIFICATION PREAPPROVAL (OSP)

OFFICE USE ONLY

APPLICATION #: OSP-0405

HCAI Special Seismic Certification Preapproval (OSP)

Type: ☐ New ☒ Renewal

Manufacturer Information

Manufacturer: Eaton Corporation

Manufacturer's Technical Representative: Steven Solloway

Mailing Address: 3301 Spring Forest Road, Raleigh, NC 27616

Telephone: (919) 561-3137 Email: stevensolloway@eaton.com

Product Information

Product Name: 93PM and 93PM-L

Product Model Number(s): Varies (see attachment)

Product Category: UPS and Batteries

Product Sub-Category: UPS

General Description: 50-400 kVA UPS

Mounting Description: Base Mounted Rigid -

Tested Seismic Enhancements: Seismic enhancements made to the test units and/or modifications required to address anomalies during the tests shall be incorporated into the production units.

Applicant Information

Applicant Company Name: TRU Compliance, by Structural Integrity Associates

Contact Person: Daniel Zentner

Mailing Address: 233 SW Wilson Ave, Suite 101, Bend, OR 97702

Telephone: (541) 292-5839 Email: dzentner@structint.com

Title: Program Manager

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

Company Name: STRUCTURAL INTEGRITY ASSOCIATES, INC.

Name: LACHEZAR HANDZHIYSKI California License Number: S6515

Mailing Address: 5215 Hellyer Avenue, Suite 210, San Jose, CA 95138

Telephone: (669) 437-0200 Email: Lhandzhiyski@StructInt.com

Certification Method

☐ GR-63-Core ☒ ICC-ES AC156 ☐ IEEE 344 ☐ IEEE 693 ☐ NEBS 3

☐ Other (Please Specify):

Testing Laboratory

Company Name: AREVA TECHNICAL CENTER

Contact Person: Daniel Fort

Mailing Address: 1724 Mount Athos Road, Lynchburg VA 24504

Telephone: (434) 832-3816 Email: Daniel.Fort@AREVA.com

Company Name: CLARK TESTING LABORATORY, INC.

Contact Person: Devon Lohr

Mailing Address: 1801 Route 51, Jefferson Hills PA 15025

Telephone: (412) 387-1001 Email: dlohr@clarktesting.com

Company Name: ELEMENT (ELMT)

Contact Person: Greg Mason

Mailing Address: 7800 Highway 20 W, West, Huntsville AL 35806

Telephone: (256) 721-0144 Email: greg.mason@element.com

Seismic Parameters

Design Basis of Equipment or Components (F_p/W_p) = 1.32 (z/h = 1); 0.82 (z/h = 0)

S_{DS} (Design spectral response acceleration at short period, g) = 1.83 (z/h = 1); 1.83 (z/h = 0)

a_p (Amplification factor) = 1.0

R_p (Response modification factor) = 2.5

Ω_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 07/15/2031

Date: 7/15/2025

Name: Timothy Piland Title: Senior Structural Engineer

Special Seismic Certification Valid Up to: S_{DS} (g) = See Above z/h = See Above

Condition of Approval (if applicable):

SPECIAL SEISMIC CERTIFICATION
CERTIFIED COMPONENT MATRIX

1800524-CR-001-R6

TRU COMPLIANCE

Manufacturer: Eaton Corporation
Model Line: 93PM & 93PM-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

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

Building Code: CBC 2022 ***Seismic Certification Limits:*** S_{DS}= ***1.83 g*** ***z/h=1.0*** S_{DS}= ***1.83 g*** ***z/h=0.0*** I_P= ***1.5***

Model Line	Model	Dimensions (in)			Weight (lbs.)	Vertical C.G. (in)		UUT
		Depth	Width	Height				
93PM UPS	9PA05D0220 A01R1	42.0	22.0	74.0	686	40.0		1
	9PXXXXXXXX XXXXX	…	…	…	…	..		Interp.
	9PXXXXXXXX XXXXX	…	…	…	…	…		Interp.
	9PA05D6029 L00R1	42.0	30.0	74.0	2,178	35.0		4
	9PXXXXXXXX XXXXX	…	…	…	…	…		Interp.
	9PXXXXXXXX XXXXX	42.0	32.0	74.0	1,368	38.2		Interp.
	9PXXXXXXXX XXXXX	…	…	…	…	…		Interp.
	9PXXXXXXXX XXXXX	42.0	37.0	74.0	1,540	39.0		Interp.
	9PXXXXXXXX XXXXX	…	…	…	…	…		Interp.
	9PV20D0029 F20R1	42.0	47.0	74.0	1,774	38.0		2
	9PV20C0029 F20R2	42.0	47.0	74.0	1,795	39.6		12
	9PXXXXXXXX XXXXX	…	…	…	…	…		Interp.
	9P640D0029A00R2	42.0	63.9	74.0	2,628	35.0		15

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TRU COMPLIANCE

Manufacturer: Eaton Corporation
Model Line: 93PM & 93PM-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

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

Building Code: CBC 2022 ***Seismic Certification Limits:*** S_{DS}= ***1.83 g*** ***z/h=1.0*** S_{DS}= ***1.83 g*** ***z/h=0.0*** I_P= ***1.5***

Model Line	Model	Dimensions (in)			Weight (lbs.)	Vertical C.G. (in)		UUT
		Depth	Width	Height				
93PM - L UPS	9GCXXXXXXX XXXXX	42.0	22.0	74.0	570	38.3		Interp.
	9GCXXXXXXX XXXXX	…	…	…	…	…		Interp.
	9GC312A700A02R0	42.0	22.0	74.0	1,604	43.5		16
	9GCXXXXXXX XXXXX	42.0	30.0	74.0	742	37.1		Interp.
	9GCXXXXXXX XXXXX	…	…	…	…	…		Interp.
	9GCXXXXXXX XXXXX	42.0	30.0	74.0	1,765	42.5		Interp.
	9GCXXXXXXX XXXXX	42.0	34.5	74.0	892	37.0		Interp.
	9GCXXXXXXX XXXXX	…	…	…	…	…		Interp.
	9GCXXXXXXX XXXXX	42.0	34.5	74.0	1,992	41.9		Interp.
	9GFXXXXXXX XXXXX	42.0	22.0	74.0	702	37.4		Interp.
	9GFXXXXXXX XXXXX	…	…	…	…	…		Interp.
	9GFXXXXXXX XXXXX	42.0	22.0	74.0	1,047	43.9		Interp.
	9GFXXXXXXX XXXXX	42.0	34.5	74.0	940	36.9		Interp.
	9GFXXXXXXX XXXXX	…	…	…	…	…		Interp.
	9GFXXXXXXX XXXXX	42.0	34.5	74.0	1,577	40.6		Interp.
	9GHXXXXXXX AXXXX	42.0	34.5	74.0	933	36.4		Interp.
	9GHXXXXXXX AXXXX	…	…	…	…	…		Interp.
	9GHXXXXXXX AXXXX	42.0	34.5	74.0	1,416	40.7		Interp.
	9GKXXXXXXX AXXXX	42.0	43.3	74.0	1,064	35.7		Interp.
	9GKXXXXXXX AXXXX	…	…	…	…	…		Interp.
	9GK040A000A02R0	42.0	43.3	74.0	1,722	38.1		17

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Manufacturer: Eaton Corporation ***Model Line:*** 93PM & 93PM-L Uninterruptible Power Supply		**TABLE 1.1**
Columns 1 & 2	Model Line	~~9M = 93PM 0.8 pf~~
		~~9N = 93PM 0.9 pf~~
		9P = 93PM 1.0 pf
		~~9H = 9PHD 1.0 pf~~
		~~9L = 93PM 0.95 pf 59kVA~~
		~~9J = 93PM 0.9 pf 62.5kVA~~
Column 3	Base Model	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
		K = 93PM-150 Capacity Frame, 2 UPM
		L = 93PM-150 Capacity Frame, 3 UPM
		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
		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 CTO
		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
		9 = No UPS (SideCar Only)
Columns 4 & 5	UPS kVA Rating	02 = 20 kVA
		03 = 30 kVA
		04 = 40 kVA
		05 = 50 kVA
		06 = 60 kVA

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TRU COMPLIANCE

Manufacturer: Eaton Corporation ***Model Line:*** 93PM & 93PM-L Uninterruptible Power Supply		**TABLE 1.1**
Columns 4 & 5 (continued)	UPS kVA Rating	07 = 70 kVA
		08 = 80 kVA
		09 = 90 kVA
		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
		19 = 190 kVA
		20 = 200 kVA
		25 = 250 kVA
		30 = 300 kVA
		35 = 350 kVA
		40 = 400 kVA
		~~45 = 450 kVA~~
		~~50 = 500 kVA~~
Column 6	Voltage Configuration	A = 400V, 4 wire
		B = 400V, 3 wire
		C = 480V, 4 wire
		D = 480V, 3 wire
		E = 380V, 4 wire
		F = 380V, 3 wire
		G = 360V, 4 wire
		H = 360V, 3 wire
		J = 415V, 4 wire
		K = 415V, 3 wire
		L = 440V, 4 wire
		M = 440V, 3 wire
		N = 480V 3-wire / 208V 4-wire (For use with IAC-D)
		P = 208V 3-wire / 208V 4-wire (For use with IAC-D)
		R = 400V 3-wire / 400V 4-wire (For use with IAC-D)
Column 7	Internal Batteries	0 = No Internal Batteries; No Battery Breaker
		2 = With Internal Batteries, 3 strings, type 9Ah
		4 = With Internal Batteries, 4 strings, type 9Ah
		6 = With Internal Batteries, 5 strings, type 9Ah

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TRU COMPLIANCE

Manufacturer: Eaton Corporation
Model Line: 93PM & 93PM-L Uninterruptible Power Supply

TABLE 1.1

Column 7 (continued)	Internal Batteries	~~A = Optional DC Breaker (50kVA / 100kVA / 150kVA), No Internal Batteries~~
		B = With Internal Battery Trays (3 strings), type 9Ah (Batteries not Supplied)
		C = With Internal Battery Trays (4 strings), type 9Ah (Batteries not Supplied)
		D = With Internal Battery Trays (5 strings), type 9Ah (Batteries not Supplied)
		~~E = With External Separate Battery (per UPM)~~
		~~F = With Internal Batteries (4 strings), type 9Ah LL~~
		~~G = With Internal Batteries (5 strings), type 9Ah LL~~
		~~H = With Internal Batteries (6 strings), type 9Ah LL~~
		~~J = With Internal Batteries (4 strings), type 9Ah LL~~
		K = With Internal Batteries And Thermal Sensor (3 strings), type 9Ah
		L = With Internal Batteries And Thermal Sensor (4 strings), type 9Ah
		M = With Internal Batteries And Thermal Sensor (4 strings), type 9Ah
Column 8	Input Options	0 = Single Feed, no Internal MBS
		1 = Single Feed, with Internal MBS
		2 = Dual Feed, no Internal MBS
		3 = Dual Feed, with Internal MBS
Column 9	Efficiency Options	0 = No ESS, no VMMS
		1 = No ESS, with VMMS
		2 = With ESS, no VMMS
		3 = With ESS, with VMMS
Column 10	Communication Options	0 = None (Empty)
		1 = Network and EMP
		2 = MODBUS and EMP
		3 = Relay, Network and EMP
		4 = Relay
		5 = INDGW-M2
		6 = Network
		7 = INDGW-M2 and EMP gen 2
		8 = Industrial Relay
		9 = INDGW-M2, Industrial Relay and EMP gen 2
Column 11	Sidecar / Top Entry Options	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)

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Manufacturer: Eaton Corporation ***Model Line:*** 93PM & 93PM-L Uninterruptible Power Supply		**TABLE 1.1**
Column 11 (continued)	Sidecar / Top Entry Options	K = 3 Breaker, Left Mount (Tie, External Capacity)
		L = 4 Breaker, Left Mount (Tie w/ MBS, External Capacity)
		M = 3 Breaker, Right Mount (Tie, External Capacity)
		N = 4 Breaker, Right Mount (Tie, w/ MBS, External Capacity)
		P = 3 Breaker, Left Mount (Tie, External Redundant)
		R = 4 Breaker, Left Mount (Tie w/ MBS, External Redundant)
		S = 3 Breaker, Right Mount (Tie, External Redundant)
		T = 4 Breaker, Right Mount (Tie w/ MBS, External Redundant)
		U = 2 Breaker, Left Mount (Tie, External Capacity / Redundant)
		V = 2 Breaker, Right Mount (Tie, External Capacity / Redundant)
Column 12	Sidecar Breaker kAIC Rating	0 = no specification
		1 = STD kAIC, all Breakers Aux
		2 = STD kAIC, MBS Aux Only
		3 = High kAIC, all Breakers Aux
		4 = High kAIC, MBS Aux Only
Column 13	Cabinet Configuration[1]	0 = With Dress Skins, Top Air Exhaust
		1 = With Dress Skins, Rear Air Exhaust
		~~2 = No Dress Skins, Top Air Exhaust~~
		~~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
Column 14	Factory Location[2]	~~H = HPO (Helsinki, Finland)~~
		R = RPO (Raleigh)
		~~B = BA1 (China)~~
		F = FAA
		M = Healthcare
		L = UL 924
		A = UL 924a
		P = Power Conditioner (RPO)
		~~E = Power Conditioner (HPO)~~
		C = Frequency Converter (RPO)
		~~D = Frequency Converter (HPO)~~
Column 15	Generation Code	0 = Initial Release
		1 = ESS
		2 = 50KW STS W/Contactors
		3-9 = Future Product Generation Codes

Notes:

1. *Option 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*

SPECIAL SEISMIC CERTIFICATION
CERTIFIED COMPONENT MATRIX

1800524-CR-001-R6

TRU COMPLIANCE

Manufacturer: Eaton Corporation ***Model Line:*** 93PM & 93PM-L Uninterruptible Power Supply		**TABLE 1.2**
Columns 1 & 2	Model Line	9G = 93PM-L (208V)
Column 3 & 4	Model-UPM Count	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
		H3= 93PM-L 160 Capacity Frame, 3UPM
		H4= 93PM-L 160 Capacity Frame, 4UPM
		H5= 93PM-L 160 Capacity Frame, 5UPM
		H6= 93PM-L 160 Capacity Frame, 6UPM
		H7= 93PM-L 160 Capacity Frame, 7UPM
		H8= 93PM-L 160 Capacity Frame, 8UPM
		K1= 93PM-L 200 Capacity Frame, 1UPM
		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=24

Manufacturer: Eaton Corporation ***Model Line:*** 93PM & 93PM-L Uninterruptible Power Supply		**TABLE 1.2**
Columns 5 & 6	UPS kVA Rating	02 = 10 kVA
		03 = 15 kVA
		04 = 20 kVA
		05 = 25 kVA
		06 = 30 kVA
		07 = 35 kVA
		08 = 40 kVA
		09 = 45 kVA
		10 = 50 kVA
		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 kVA
		20 = 100 kVA
		21 = 105 kVA
		22 = 110 kVA
		23 = 115 kVA
		24 = 120 kVA
		25 = 125 kVA
		26 = 130 kVA
		27 = 135 kVA
		28 = 140 kVA
		29 = 145 kVA
		30 = 150 kVA
		31 = 155 kVA
		32 = 160 kVA
		33 = 165 kVA
		34 = 170 kVA
		35 = 175 kVA
		36 = 180 kVA
		37 = 185 kVA
		38 = 190 kVA
		39 = 195 kVA
		40 = 200 kVA

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Manufacturer: Eaton Corporation ***Model Line:*** 93PM & 93PM-L Uninterruptible Power Supply		**TABLE 1.2**
Column 7	Voltage Configuration	A = Single Input 208/220V, 50/60 Hz; Output 208/220V, 1.0 p.f., 50/60Hz
		B = Dual Input 208/220V, 50/60 Hz; Output 208/220V, 1.0 p.f., 50/60Hz
Column 8	Internal Batteries	0 = No Internal Batteries; No Battery Breaker
		2 = With Internal Batteries, 2 strings
		3 = With Internal Batteries, 3 strings
		4 = With Internal Batteries, 4 strings
		5 = 2 Strings & Thermal Sensors
		6 = 3 Strings & Thermal Sensors
		7 = 4 Strings & Thermal Sensors
		8 = 2 Strings (Batteries Not Supplied)
		9 = 3 Strings (Batteries Not Supplied)
		A= 4 Strings (Batteries Not Supplied)
Column 9	Efficiency Options	0= No ESS
		~~1 =~~
		2 = ESS
Column 10	Connectivity Slots	0 = None
		1 = Environmental Monitoring Probe
		2 = INDGW-M2 and IRC
		3 = EMP and IRC
		~~4 =~~
		5 = Eaton Industrial Gateway Card Minislot for UPS
		~~6 =~~
		7 = INDGW-M2 and EMP gen 2
		8 = Industrial Relay Card (IRC)
		9 = INDGW-M2, IRC and EMP gen 2
Column 11	Sidecar/Wireway Options	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
		F = Left MBS, 4 Breakers, RIB/BIB/MIS/MBP
		G = Right MBS, 2 Breakers, MIS/MBP
		H = 3 Breaker, Right Mount (MBS)
		J = Right MBS, 4 Breakers, RIB/BIB/MIS/MBP
		L = Wireway Ship Separate
Column 12	Sidecar Breaker	0 = No Specification
		1 = STD kAIC, Enhanced Monitoring (all breakers monitored)
		2 = STD kAIC, MBP/BIB Terminal Block monitored

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Manufacturer: Eaton Corporation ***Model Line:*** 93PM & 93PM-L Uninterruptible Power Supply			**TABLE 1.2**
Column 13	Environmental Options	0 = Top Exhaust	
		1 = Rear Exhaust	
		2 = Top Exhaust, OSHPD	
		3 = Rear Exhaust, OSHPD	
		4 = Top Exhaust, Conformal Coating	
		5 = Rear Exhaust, Conformal Coating	
		6 = Top Exhaust, OSHPD, Conformal Coating	
		7 = Rear Exhaust, OSHPD, Conformal Coating	
Column 14	Application Options	R = Standard (RPO)	
		F = FAA	
		M = Healthcare	
		L = UL 924	
		A = UL 924A	
		C = Frequency Converter	
		P = Power Converter	
Column 15	Generation Code	0 = Initial Release	
		1-9 = Future Product Generation Codes	

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

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TRU COMPLIANCE

TABLE 2

Manufacturer: Eaton Corporation
Model Line: 93PM IAC

Certified Product Construction Summary:
50 kVA- 200 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/bracket kit; weights are maximum.

Mounting Configuration:
Base mounted - rigid
Note: Installed mounting must be of similar configuration and equivalent strength and stiffness to those tested.

Building Code: CBC 2022 ***Seismic Certification Limits:*** ***S_{DS}= 1.83 g z/h=1.0*** ***S_{DS}= 1.83 g z/h=0.0*** ***I_P= 1.5***

Model Line	Model	Dimensions (in)			Weight (lbs.)	Vertical C.G. (in)		UUT
		Depth	Width	Height				
93PM IAC	9PZMA A000000010	42.0	20.0	74.0	404	36.0		5
	9PZMX XXXXXXXX1X	…	…	…	…	…		Interp
	9PZMD F200000010	42.0	20.0	74.0	726	36.0		6
	9PZMX XXXXXXXX1X	…	…	…	…	…		Interp
	9PZRX XXXXXXXX1X	42.0	20.0	74.0	1,034	36.0		Interp
	9PZR-Custom-1	42.0	31.3	74.0	664	35.3		20b
	9PZR-Custom-2	42.0	31.3	74.0	694	35.3		21
	9PZSX XXXXXXXX1X	42.0	31.3	74.0	…	…		Interp
	9PZR-Custom-1	42.0	31.3	74.0	733	36.5		20a
	9PZD1 H000000011	42.0	31.3	74.0	1,105	34.0		10
	9PZDX XXXXXXXX1X	…	…	…	…	…		Interp
	9PZEX XXXXXXXX1X	…	…	…	…	…		Interp
	9PZFX XXXXXXXX1X	…	…	…	…	…		Interp
	9PZDG XXXXXXXX1X	…	…	…	…	…		Interp
	9PZR XXXXXXXX1X	…	…	…	…	…		Interp
	9PZ"**X**"X XXXXXXXX1X	42.0	31.3	74.0	…	…	"**X**" specifies IAC-PD	Interp
	9PZG4 SBC0001011	42.0	31.3	74.0	2,165	27.0		11
								1154 lbs

SPECIAL SEISMIC CERTIFICATION
CERTIFIED COMPONENT MATRIX

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Manufacturer: Eaton Corporation ***Model Line:*** 93PM Integrated Accessory Cabinet (IAC)		IAC-T Model Line Numbering	**TABLE 2.1**
Columns 1 - 3	Model Line	9PZ = 93PM Accessories	
Column 4	Accessory	M = IAC-T	
Column 5	Associated UPS Model	A = 50 kW	
		B = 100 kW	
		C = 150 kW	
		D = 200 kW	
Column 6	UPS Configuration	A = 1+1	
		B = 2+0	
		C = 2+1	
		D = 3+0	
		E = 3+1	
		F = 4+0	
Column 7	MIS/MBP Breakers	0 = No MIS, no MBP	
		1 = MIS, no MBP	
		2 = MIS, MBP	
Column 8	Exhaust Configuration	0 = Top Exhaust	
		1 = Rear Exhaust	
Column 9	Open	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 Configuration	0 = Standard	
		1 = OSHPD	
Column 15	Generation Code	0 - 9 = Product Generation Codes	

SPECIAL SEISMIC CERTIFICATION
CERTIFIED COMPONENT MATRIX

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TRU COMPLIANCE

Manufacturer: Eaton Corporation	IAC-D Model Line Numbering	**TABLE 2.2**
Model Line: 93PM Integrated Accessory Cabinet (IAC)		

Columns 1-3	Model line	9PZ = 93PM Accessories
Column 4	Accessory	D = 50 kVA IAC-D, 480 V / 208 V
		E = 100 kVA IAC-D, 480 V / 208 V
		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~~
		~~0 = 150 kVA IAC-D, 480V Input Copper XFMR~~
Column 5	Output Transformer	1 = K1 Non TP1, 480 V / 208 V Delta / WYE
		2 = K13 Non TP1, 480 V / 208 V Delta / WYE
		3 = K1 TP1, 480 V / 208 V Delta / WYE
		4 = K13 TP1 480 V / 208 V Delta / WYE
		~~5 = K1 DOE 2016, 60 Hz, 400V Output, Delta / WYE~~
		~~6 = K13 DOE 2016, 60 Hz, 400V Output, Delta / WYE~~
		~~7 = K20 DOE 2016, 60 Hz, 400V Output, Delta / WYE~~
		~~8 = K1 DOE 2016, 50/60 Hz, 400V Output, Delta / WYE~~
		~~9 = K13 DOE 2016, 50/60 Hz, 400V Output, Delta / WYE~~
		~~A = K20 DOE 2016, 50/60 Hz, 400V Output, Delta / WYE~~
Column 6	Breaker kAIC Rating	S = STD kAIC
		H = High kAIC
Column 7	Distribution Top	0 = No Distribution
		B = 225 A Panel Board Top
		1 = 1 Subfeed Breaker
		2 = 2 Subfeed Breakers
		3 = 3 Subfeed Breakers
		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
Column 8	Distribution Bottom	0 = No Distribution
		B = 225 A Panel Board Bottom
		1 = 1 Subfeed Breaker
		2 = 2 Subfeed Breakers
		3 = 3 Subfeed Breakers
		C = 400 A Panel Board Bottom
		4 = 1 Subfeed Breaker + 2 Field Upgrades
		5 = 2 Subfeed Breakers + 1 Field Upgrade

SPECIAL SEISMIC CERTIFICATION
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TRU COMPLIANCE

Manufacturer: Eaton Corporation — IAC-D Model Line Numbering

Model Line: 93PM Integrated Accessory Cabinet (IAC)

TABLE 2.2

Column 9	Distribution Breaker Type	0 = 80% Rated Breaker
		1 = 80% Rated Breaker w/ Aux (Distribution Subfeed Only)
		2 = 100% Rated Breaker (Distribution Subfeed Only)
		3 = 100% Rated Breaker w/ Aux (Distribution Subfeed Only)
Column 10	Branch Metering	0 = None
Column 11	Cabinet Configuration	0 = Top Exhaust
		1 = Rear Exhaust
Column 12	Optional Breaker	0 = No Optional Breaker
		1 = 1 Optional 225 A Breaker
Column 13	Line and Match/ Remote Installation	0 = Line and Match
		1 = Remote
Column 14	Structural Configuration	0 = Standard
		1 = OSHPD
Column 15	Generation Code	0 = Initial Release
		1 = 75° C Wire

SPECIAL SEISMIC CERTIFICATION
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Manufacturer: Eaton Corporation ***Model Line:*** 93PM Integrated Accessory Cabinet (IAC)		IAC-B Model Line Numbering	**TABLE 2.3**
Columns 1-3	Model line	9PZ = 93PM Accessories	
Column 4	Accessory	R = IAC-B	
Column 5	Associated UPS Model	A = 60 kW - 4 wire, IAC-B, 208/208V	
		B = 120 kW - 4 wire, IAC-B, 208/208V	
		C = 160 kW - 4 wire, IAC-B, 208/208V	
		D = 200 kW - 4 wire, IAC-B, 208/208V	
		E = 400 kW - 3 wire, IAC-B, 480/480V	
		F = 50kW - 3 wire, IAC-B, 480/480V	
		G = 50kW - 4 wire, IAC-B, 480/480V	
		H = 100kW - 3 wire, IAC-B, 480/480V	
		J = 100kW - 4 wire, IAC-B, 480/480V	
		K = 150kW - 3 wire, IAC-B, 480/480V	
		L = 150kW - 4 wire, IAC-B, 480/480V	
		M = 200kW - 3 wire, IAC-B, 480/480V	
		N = 200kW - 4 wire, IAC-B, 480/480V	
		P = 250kW - 3 wire, IAC-B, 480/480V	
		R = 250kW - 4 wire, IAC-B, 480/480V	
Column 6	Breaker Configuration	A = 2-Breaker 65 KAIC (MBP/MIS)	
		B = 3-Breaker 65 KAIC (MBP/MIS/BIB)	
		C = 4-Breaker 65 KAIC (MBP/MIS/BIB/RIB) Single Input	
		D = 4-Breaker 65 KAIC (MBP/MIS/BIB/RIB) Dual Input	
Column 7	Key/Interlock	1 = Key Interlock	
		2 = Interlock Bracket	
Column 8	Open	0 = None	
Column 9	Open	0 = None	
Column 10	Exhaust Configuration	0 = Top Exhaust	
		1 = Rear Exhaust (208V only)	
Column 11	Installation Configuration	0 = N/A (400 kVA only)	
		1 = Right Side Install (208V only)	
		2 =Left Side Install (208V only)	
Column 12	Open	0 = None	
Column 13	Line & Match/Remote Installation	0 = Line and Match (Required for 160 & 200 kVA 208V)	
		1 = Remote	
Column 14	Structural Configuration	0 = Standard	
		1 = OSHPD	
Column 15	Generation Code	0 - 9 = Product Generation Codes	

SPECIAL SEISMIC CERTIFICATION
CERTIFIED COMPONENT MATRIX

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Manufacturer: Eaton Corporation ***Model Line:*** 93PM Integrated Accessory Cabinet (IAC)		IAC-BD Model Line Numbering	**TABLE 2.4**
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)	
		B = 3-Breaker 65 KAIC (MBP/MIS/BIB)	
Column 7	Breaker Interlock	1 = Key Interlock	
		2 = Interlock Bracket	
Column 8	Distribution	2 = 2 Subfeed Breakers	
		3 = 3 Subfeed Breakers	
		4 = 4 Subfeed Breakers	
Column 9	Metering	0 = No Metering	
		1 = Metering	
Column 10	Exhaust Configuration	0 = Top Exhaust	
		1 = Rear Exhaust	
Column 11	Open	0 = None	
Column 12	Open	0 = None	
Column 13	Line & Match/ Remote Installation	0 = Line and Match	
		1 = Remote Installation	
Column 14	Structural Configuration	0 = Standard	
		1 = OSHPD	
Column 15	Generation Code	0 - 9 = Product Generation Codes	

SPECIAL SEISMIC CERTIFICATION
CERTIFIED COMPONENT MATRIX

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TRU COMPLIANCE

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

SPECIAL SEISMIC CERTIFICATION
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Manufacturer: Eaton Corporation		IAC-PD Model Line Numbering	**TABLE 2.5**
Model Line: 93PM Integrated Accessory Cabinet (IAC)			
Column 12	Open	0 = None	
Column 13	Line & Match/ Remote Installation	0 = Line and Match	
		1 = Remote Installation	
Column 14	Structural Configuration	0 = Standard	
		1 = OSHPD	
Column 15	Generation Code	0 - 9 = Product Generation Codes	

SPECIAL SEISMIC CERTIFICATION
CERTIFIED COMPONENT MATRIX

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TRU COMPLIANCE

Manufacturer: Eaton Corporation
Model Line: 93PM IBC

TABLE 3

Certified Product Construction Summary:

50 kVA- 200 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/bracket kit; weights are maximum.

Mounting Configuration:

Base mounted - rigid

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

Building Code: CBC 2022 ***Seismic Certification Limits:*** S_{DS}= ***1.83 g*** ***z/h=1.0*** S_{DS}= ***1.83 g*** ***z/h=0.0*** I_P= ***1.5***

Model Line	Model	Dimensions (in)			Weight (lbs.)	Vertical C.G. (in)		UUT
		Depth	Width	Height				
93PM IBC	9PZXXXXXX XXXXXX	42.0	16.9	74.0	…	…		Extrap.
	9PZWBAE20010010	42.0	16.9	74.0	1,997	32.4	*432V*	18
	9PZXXXXXX XXXXXX	42.0	16.9	74.0	…	…		Interp.
	9PZWBBE20010210	42.0	16.9	74.0	2,141	34.0	*480V*	19
	9PZXXXXXX XXXXXX	42.0	20.0	74.0	…	…		Interp.
	9PZBBAY08 013010	42.0	20.0	74.0	2,246	32.0		7
	9PZXXXXXX XXXXXX	42.0	20.0	74.0	…	…		Interp.
	9PZABAE28 010010	42.0	32.0	74.0	3,185	41.0		13
	9PZXXXXXX XXXXXX	42.0	32.0	74.0	…	…		Interp.
	9PZABAE50 110010	42.0	32.0	74.0	4,745	41.0		8
	9PZXXXXXX XXXXXX	42.0	40.0	74.0	…	…		Interp.
	9PZABAE50 L10010	42.0	40.0	74.0	4,841	41.0		9
	9PZXXXXXX XXXXXX	42.0	34.0	74.0	…	…		Interp.
	9PZUDBN54010010	42.0	34.0	74.0	5,082	39.0		14

SPECIAL SEISMIC CERTIFICATION
CERTIFIED COMPONENT MATRIX

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Manufacturer: Eaton Corporation ***Model Line:*** 93PM IBC		IBC Model Line Numbering	**TABLE 3.1**
Columns 1-3	Model Line	9PZ = 93PM Accessories	
Column 4	Accessory	A = IBC-L	
		B = IBC-S	
		C = IBC-LH	
		T = IBC-LW (300A breaker)	
		U = IBC-LHW (500A breaker)	
		V = IBC-LW (400A breaker)	
		W = IBC-SW	
Column 5	Associated UPS Model	A = 50 kW (93PM)	
		B = 100 kW (93PM)	
		C = 150 kW (93PM)	
		D = 200 kW (93PM) (480V UPS)	
		E = 400 kW (93PM)	
		F = 60 kW (93PM-L)	
		G = 120 kW (93PM-L)	
		H = 160 kW (93PM-L)	
		J = 200 kW (93PM-L) (208V UPS)	
Column 6	DC Voltage	A = 432 V	
		B = 480 V	
Columns 7-9	Battery Type[1]	B37 = UPS12-400MR, 1/4 (M6) Lugs	
		E20 = HRL-12-200 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	
		E57 = PWP 12-502, 1/4 (M6) Lugs	
		~~E62 = PWHR 12-620, 1/4 (M6) Lugs~~	
		H41 = ENERSYS XE95, 3/8 (M10) Lugs	
		N54 = NSB12-540, 1/4 (M6) Lugs	
		Y08 = NPX-80RFR, #10 (M5) Lugs	
		001 = Empty Tray Assembly IBC-L, IBC-LW, 1/4 (M6) Lugs	
		002 = Empty Tray Assembly IBC-S, IBC-SW	
		003 = Empty Tray Assembly IBC-LH, IBC-LW (N54), 1/4 (M6) Lugs	
		004 = Empty 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 Assembly IBC-LH (B37/E54) 1/4 (M6) Lugs	

Notes:

1. *001-007 means the unit is shipped without batteries and they are installed ontsite.*

SPECIAL SEISMIC CERTIFICATION
CERTIFIED COMPONENT MATRIX

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Manufacturer: Eaton Corporation ***Model Line:*** 93PM IBC		IBC Model Line Numbering	**TABLE 3.1**
Column 10	Remote/ Top Entry Sidecar	0 = Line and Match, no Sidecar	
		1 = Remote Installation, no Sidecar	
		L = Remote with Left Sidecar for Top Entry (IBC-L/LH only)	
		R = Remote with Right Sidecar for Top Entry (IBC-L/LH only)	
Column 11	Number of Battery Cabinets	1 = 1 Cabinet	
		2 = 2 Cabinets	
		3 = 3 Cabinets	
		4 = 4 Cabinets	
		5 = 5 Cabinets	
		6 = 6 Cabinets	
		7 = 7 Cabinets	
		8 = 8 Cabinets	
Column 12	Number of Battery Strings	0 = Single String	
		2 = 2 Battery Strings (IBC-S only)	
		3 = 3 Battery Strings (IBC-S only)	
Column 13	Battery Monitoring	0 = With Monitoring Tabs, Without Thermal Sensor, Without Comm Card	
		1 = Without Monitoring Tabs, Without Thermal Sensor, Without Comm Card	
		2 = With Monitoring Tabs, With Thermal Sensor, Without Comm Card	
		3 = Without Monitoring Tabs, With Thermal Sensor, Without Comm Card	
		~~4 = With Monitoring Tabs, Without Thermal Sensor, With Comm Card~~	
		~~5 = Without Monitoring Tabs, Without Thermal Sensor, With Comm Card~~	
		~~6 = With Monitoring Tabs, With Thermal Sensor, With Comm Card~~	
		~~7 = Without Monitoring Tabs, With Thermal Sensor, With Comm Card~~	
Column 14	Structural Configuration[2]	0 = Standard	
		1 = OSHPD	
		2 = UL924	
		3 = UL924/OSHPD	
Column 15	Generation Code	0 - 9 = Product Generation Codes	

Notes:

1. *001-007 means the unit is shipped without batteries and they are installed ontsite.*

2. *UL certification was completed after first OSP, nothing has changed on the unit.*

SPECIAL SEISMIC CERTIFICATION
CERTIFIED SUBCOMPONENT MATRIX

1800524-CR-001-R6

TRU COMPLIANCE

Manufacturer: Eaton Corporation
Model Line: 93PM Uninterruptible Power Supply (UPS)
Table Description: Enclosures

TABLE 4

Building Code: CBC 2022
Seismic Certification Limits: S_{DS} = 1.83 g z/h = 1.0 I_P = 1.5
S_{DS} = 1.83 g z/h = 0.0

Model Line (Manufacturer)	Model	Dimension (in)			Weight (lbs.)	Material	Notes	UUT
		Depth	Width	Height				
93PM (Eaton)	93PM Enclosures	42.0	20.0	74.0	366	*93PM SMALL IAC-T / IBC-S FRAME*		5, 6, 7
		42.0	22.0	74.0	392	*93PM STD UPS FRAME*		1
		42.0	31.0	74.0	397	*93PM IAC-D / LARGE IAC-T FRAME*		10, 11
		42.0	32.0	74.0	435	*93PM LARGE UPS FRAME*		Interp.
		42.0	34.5	74.0	528	*93PM-L IAC-B*		20a/b, 21
		42.0	31.3	74.0	540	*93PM IAC-PD*		Interp.
		42.0	30.0	74.0	557	*93PM STD UPS + SMALL SC FRAME*		4
		42.0	37.0	74.0	679	*93PM STD UPS + LARGE SC FRAME*		Interp.
		42.0	47.0	74.0	722	*93PM LARGE UPS + LARGE SC FRAME*		2, 12
		42.0	32.0	74.0	856	*93PM IBC-L FRAME*		8, 13
		42.0	34.0	74.0	828	*93PM Frame Asm, IBC-L Weld*		Interp.
		42.0	40.0	74.0	1,021	*93PM IBC-L + SMALL SC FRAME*		9
		42.0	64.0	74.0	800	*93PM 400 kVA capacity UPS (8UPM)*		15
		42.0	34.0	74.0	993	*93PM IBC-LHW Line & match*		14
		42.0	22.0	74.0	495	*93PM-L 60 kVA Frame*		16
		42.0	30.0	74.0	667	*93PM-L 60 kVA Frame w/ empty SC*		Interp.
		42.0	34.5	74.0	744	*93PM-L 60 kVA Frame w/ MBP SC*		Interp.
		42.0	22.0	74.0	621	*93PM-L 120 kVA Frame*		Interp.
		42.0	34.5	74.0	859	*93PM-L 120 kVA Frame w/ empty SC*		Interp.
		42.0	34.5	74.0	870	*93PM-L 120 kVA Frame w/ MBP SC*		Interp.
		42.0	34.5	74.0	732	*93PM-L 160k VA frame*		Interp.
		42.0	43.3	74.0	859	*93PM-L 200k VA frame*		17
		42.0	16.9	74.0	443	*93PM IBC-SW*		18, 19

SPECIAL SEISMIC CERTIFICATION
CERTIFIED SUBCOMPONENT MATRIX

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TRU COMPLIANCE

Manufacturer:	Eaton Corporation	***Table Description:*** Electrical Components	**TABLE 5**
Model Line:	93PM Uninterruptible Power Supply (UPS)		

Building Code: CBC 2022 ***Seismic Certification Limits:*** S_{DS} = 1.83 g z/h = 1.0 I_P = 1.5; S_{DS} = 1.83 g z/h = 0.0

Component Type	Manufacturer	Model	Description	Notes	UUT
Panel Board	Eaton	122950146	*PDU PRL1 225A; Cu*		11
		122950148	*PDU PRL2A 225A; Cu*		Interp.
		122950147	*PDU PRL1 400A; Cu*		11
Power Modules	Eaton	730-05211	*208V-4 Wire 20kW UPM*		16, 17
		733-D2072	*208V-4 Wire 20kW UPM*		Interp.
		730-80505	*480V-3 Wire 50kW UPM*	*New PCB layout, no structural change*	Interp.
		730-B1045	*480V-3 Wire 50kW UPM*		1, 2, 4
		733-82035	*480V-3 Wire 50kW UPM*		Interp.
		733-A2205	*480V-4 Wire 50kW UPM*		Interp.
		733-A2206	*480V-4 Wire 50kW UPM*	*Substitute for 733-A2205*	Interp.
		730-D0057	*480V-4 Wire 50kW UPM*		12
Contactors	Eaton	XTCE018C10WD	*K5 Contactor (50KW); 1 lb*	*Same as DILM17-10 (RDC60); Eaton P/N*	Interp.
		DILM17-10 (RDC60)	*K5 Contactor (50KW); 1 lb*	*Moeller P/N*	1, 4
		XTCE115G00WD	*K5 Contactor (100KW); 5 lbs*	*Same as DILM115 (RDC60); Eaton P/N*	Interp.
		DILM115 (RDC60)	*K5 Contactor (100KW); 5 lbs*	*Moeller P/N*	Interp.
		DILM185A/22 (RDC60)	*K5 Contactor (150KW); 14 lbs*	*Moeller P/N*	Interp.
		XTCE250L22TD	*K5 Contactor, (200kW); 17 lbs*	*Same as DILM250/22 (RDC48); Eaton P/N*	Interp.
		DILM250/22 (RDC48)	*K5 Contactor, (200kW); 17 lbs*		12
Kirk Key System	Eaton	P-116000097			20a
Control Transformers	Eaglerise	149502123	*300 VA, 480V/400V*		20a
	Eaton	C0025E2A	*25 VA, MTE, 240V/480V*		20a

SPECIAL SEISMIC CERTIFICATION
CERTIFIED SUBCOMPONENT MATRIX

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Manufacturer: Eaton Corporation
Model Line: 93PM Uninterruptible Power Supply (UPS)
Table Description: Electrical Components

TABLE 5

Building Code: CBC 2022
Seismic Certification Limits: S_{DS} = 1.83 g z/h = 1.0; S_{DS} = 1.83 g z/h = 0.0; I_P = 1.5

Component Type	Manufacturer	Model	Description	Notes	UUT
Transformers	Eaton	WPV50011	*50 kVA, K1,480 Delta-208Y, Al 150C, non-TP1*	*639 lbs*	Interp.
		WPV50012	*50 kVA, K1, 480 Delta-208Y, Al 150C, TP1*	*545 lbs*	10
		WPN50131	*50 kVA, K13, 480 Delta-208Y, Al 150C, non-TP1*	*603 lbs*	Interp.
		WPN50132	*50 kVA, K13, 480 Delta-208Y, Al 150C, TP1*	*631 lbs*	Interp.
		WPV12011	*100 kVA, K1, 480 Delta-208Y, Al 150C, non-TP1*	*675 lbs*	Interp.
		WPV12012	*100 kVA, K1, 480 Delta-208Y, Al 150C, TP1*	*655 lbs*	Interp.
		WPN12131	*100 kVA, K13, 480 Delta-208Y, Al 150C, non-TP1*	*835 lbs*	Interp.
		WPN12132	*100 kVA, K13, 480 Delta-208Y, Al 150C, TP1*	*700 lbs*	Interp.
		WPV49011	*150 kVA, K1, 480 Delta-208Y, Al 150C, non-TP1*	*874 lbs*	Interp.
		WPV49012	*150 kVA, K1, 480 Delta-208Y, Al 150C, TP1*	*787 lbs*	Interp.
		WPN49131	*150 kVA, K13, 480 Delta-208Y, Al 150C, non-TP1*	*1154 lbs*	Interp.
		WPN49132	*150 kVA, K13, 480 Delta-208Y, Al 150C, TP1*	*1,378 lbs*	Interp.
		WPV19011	*200 kVA, K1, 480 Delta-208Y, Al 150C, non-TP1*	*1,165 lbs*	Interp.
		WPV19012	*200 kVA, K1, 480 Delta-208Y, Al 150C, TP1*	*1,123 lbs*	Interp.
		WPN19131	*200 kVA, K13, 480 Delta-208Y, Al 150C, non-TP1*	*1,414 lbs*	Interp.
		WPN19132	*200 kVA, K13, 480 Delta-208Y, Al 150C, TP1*	*1,416 lbs*	11
Static Switches	Eaton	730-D0039	*50kW STS; CS Frame; Al heat sink*		1, 4
		730-B1035	*100kW STS; CS Frame; Al heat sink*		Interp.
		730-D0021	*150kW/200kW STS; CS Frame; Al heat sink*		12
		730-05213	*93PM-L 60 kW STS*		16
		730-05212	*93PM-L 120 kW STS*		Interp.
		730-05214	*93PM-L 200 kW STS*		17

SPECIAL SEISMIC CERTIFICATION
CERTIFIED SUBCOMPONENT MATRIX

1800524-CR-001-R6

TRU COMPLIANCE

Manufacturer:	Eaton Corporation	***Table Description:*** Batteries	**TABLE 6**
Model Line:	93PM Uninterruptible Power Supply (UPS)		

Building Code: CBC 2022 ***Seismic Certification Limits:*** S_{DS} = 1.83 g z/h = 1.0 I_P = 1.5
S_{DS} = 1.83 g z/h = 0.0

Component Type	Manufacturer	Model	Description	Notes	UUT
Batteries	CSB	HR1227WFR	*12V, 27 Watt (5Ah), VRLA; ABS house.; 4.3 lbs.*		16
		PWRH1227W2FR	*12V, 27 Watt (5Ah), VRLA; ABS house.; 4.3 lbs.*		Interp.
		HRL1234W2FR	*12V, 34 Watt (9Ah), VRLA; ABS house.; 6 lbs.*		Interp.
		PWHR1234W2FR	*12V, 34 Watt (9Ah), VRLA; ABS house.; 6 lbs.*		4
		HRL12200WFR	*12V, 52 Ah; PP housing; 39 lbs.*		Interp.
		PWHR12200W4FR	*12V, 52 Ah; PP housing; 39 lbs.*		18, 19
		HRL12280WFR	*12V, 75 Ah; PP housing.; 60 lbs.*		Interp.
		PWHR12280W4FR	*12V, 75 Ah; PP housing.; 60 lbs.*		13
		HRL12330FR	*12V, 280W; PP housing; 65 lbs.*		Interp.
		PWHR12330W4FR	*12V, 280W; PP housing; 65 lbs.*		Interp.
		HRL12390FR	*12V, 390W; PP housing; 74 lbs.*		Interp.
		PWHR12390W4FR	*12 V, 100 Ah; PP housing; 74 lbs.*		Interp.
		XPL5700FR	*12V, 110 Ah, VRLA; PP housing; 82 lbs.*		Interp.
		PWXP12502W4FR	*12V, 110 Ah, VRLA; PP housing; 82 lbs.*		Interp.
		HRL12540WFR	*12 V, 161 Ah, VRLA; PP housing; 97 lbs.*		Interp.
		PWHR12540WFR	*12 V, 161 Ah, VRLA; 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
	C&D Dynasty	UPS12-300MR	*12 V, 78 Ah; PP housing; 58 lbs*		13
		UPS12-350MR	*12 V, 93.2 Ah; PP housing; 67 lbs*		Interp.
		UPS12-400MR	*12 V, 100 Ah; PP housing; 80 lbs*		Interp.
		UPS12-490MR	*12 V, 134 Ah; PP housing; 100 lbs*		13
	G.S. YUASA	NPX-80RFR	*12 V, 20 Ah, VRLA; PP housing; 15 lbs*		7

SPECIAL SEISMIC CERTIFICATION
CERTIFIED SUBCOMPONENT MATRIX

1800524-CR-001-R6

TRU COMPLIANCE

Manufacturer: Eaton Corporation
Model Line: 93PM Uninterruptible Power Supply (UPS)
Table Description: Batteries

TABLE 6

Building Code: CBC 2022

Seismic Certification Limits: ***S_{DS} = 1.83 g z/h = 1.0*** ; ***S_{DS} = 1.83 g z/h = 0.0*** ***I_P = 1.5***

Component Type	Manufacturer	Model	Description	Notes	UUT
Batteries	NORTHSTAR	NSB12540	*12V, 125 Ah; PP housing; 98 lbs*		9, 14
	ENERSYS	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
		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

SPECIAL SEISMIC CERTIFICATION
CERTIFIED SUBCOMPONENT MATRIX

1800524-CR-001-R6

TRU COMPLIANCE

Manufacturer:	Eaton Corporation	***Table Description:*** Breakers	**TABLE 7**
Model Line:	93PM Uninterruptible Power Supply (UPS)		

Building Code: CBC 2022 ***Seismic Certification Limits:*** S_{DS} = 1.83 g z/h = 1.0 I_P = 1.5
S_{DS} = 1.83 g z/h = 0.0

Component Type	Manufacturer	Model	Description	Notes	UUT
Breakers (Thermal Magnetic)	Eaton (CH)	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	*FD-Frame, 3-pole, 175 A, 5 lbs.*		4
		JG	*JG-Frame, 3-pole, 80-250 A, 6 lbs.*		Interp.
		HJGE3125FAGC	*JG-Frame, 3-pole, 125 A, 6 lbs.*		4
		HKDDC3300WA07S49	*KD-Frame, 3-pole, 300 A, 12 lbs.*		13
		HKD3300W	*KD-Frame, 3-pole, 300 A, 12 lbs.*		12
		KD	*KD-Frame, 3-pole, 175-400 A, 12 lbs.*		Interp.
		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

Notes:
** Breakers listed here include part numbers which identify configuration, manufacturer, materials, and breaker rating. Interpolated items have the same manufacturer, materials, and have the same configuration and construction as the tested units.*

SPECIAL SEISMIC CERTIFICATION
CERTIFIED SUBCOMPONENT MATRIX

1800524-CR-001-R6

TRU COMPLIANCE

Manufacturer:	Eaton Corporation	***Table Description:*** Breakers	**TABLE 7**
Model Line:	93PM Uninterruptible Power Supply (UPS)		
Building Code: CBC 2022	***Seismic Certification Limits:***	***S_{DS} = 1.83 g z/h = 1.0*** ***S_{DS} = 1.83 g z/h = 0.0***	***I_P = 1.5***

Component Type	Manufacturer	Model	Description	Notes	UUT
AC Breakers[1] (Thermal Magnetic) (Frame 1-4)	Eaton	PDG13*	*Frame 1, 3-pole, 2.3 lbs*	*Not Modular*	Interp.
		PDG13G0125TFFJ	*Frame 1, 3-pole, 125 A, 2.3 lbs*	*Not Modular*	20b
		PDD23*	*Frame 2, 3-pole, 240VAC, 4.7 lbs*	*Not Modular*	Interp.
		PDG23*	*Frame 2, 3-pole, 4.7 lbs*	*Not Modular*	Interp.
		PDD33*	*Frame 3, 3-pole, 240VAC, 14.8 lbs*	*Modular*	Interp.
		PDF33*	*Frame 3, 3-pole, 100% Rated, 14.8 lbs*	*Modular*	Interp.
		PDG33*	*Frame 3, 3-pole, 14.8 lbs*	*Modular*	Interp.
		PDG33K0400TFAN	*Frame 3, 3-pole, 400 A, 11.8 lbs*	*Modular*	20a
		PDF43*	*Frame 4, 3-pole, 100% Rated, 31.0 lbs*	*Modular*	Interp.
		PDG43*	*Frame 4, 3-pole, 31.0 lbs*	*Modular*	Interp.
		PDG43M0600TFAN	*Frame 4, 3-pole, 600 A, 31.0 lbs*	*Modular*	20a, 20b
AC Breakers[1] (Electronic Trip) (Frame 2-6)	Eaton	PDF23*	*Frame 2, 3-pole, 100% Rated, 4.7 lbs*	*Not Modular*	Interp.
		PDG23*	*Frame 2, 3-pole, 4.7 lbs*	*Not Modular*	Interp.
		PDG23G0225B2NL	*Frame 2, 3-pole, adjustable 225 A, 4.5 lbs*	*Not Modular*	20a
		PDF33*	*Frame 3, 3-pole, 100% Rated, 14.8 lbs*	*Modular*	Interp.
		PDG33*	*Frame 3, 3-pole, 14.8 lbs*	*Modular*	Interp.
		PDF43*	*Frame 4, 3-pole, 100% Rated, 33.0 lbs*	*Modular*	Interp.
		PDG43*	*Frame 4, 3-pole, 33.0 lbs*	*Modular*	Interp.
		PDC53*	*Frame 5, 3-pole, IEC/CCC Rated, 48.0 lbs*	*Modular*	Interp.
		PDF53*	*Frame 5, 3-pole, 100% Rated, 48.0 lbs*	*Modular*	Interp.

Notes:

1. *Frame 3, 4, 5 and 6 breaker assemblies may be assembled from individual Eaton breaker components at time of incorporation into Eaton products.*

** Breakers listed here include part numbers which identify configuration, manufacturer, materials, and breaker rating. Interpolated items have the same manufacturer, materials, and have the same configuration and construction as the tested units.*

SPECIAL SEISMIC CERTIFICATION
CERTIFIED SUBCOMPONENT MATRIX

1800524-CR-001-R6

TRU COMPLIANCE

Manufacturer: Eaton Corporation ***Model Line:*** 93PM Uninterruptible Power Supply (UPS)	***Table Description:*** Breakers	**TABLE 7**
Building Code: CBC 2022	***Seismic Certification Limits:*** S_{DS} = ***1.83 g*** ***z/h = 1.0*** S_{DS} = ***1.83 g*** ***z/h = 0.0***	I_P = ***1.5***

Component Type	Manufacturer	Model	Description	Notes	UUT
AC Breakers[1] (Electronic Trip) (Frame 2-6)	Eaton	PDG53*	*Frame 5, 3-pole, 48.0 lbs*	*Modular*	Interp.
		PDG53P1200E2NM	*Frame 5, 3-pole, adjustable 1200 A, 48.0 lbs*	*Modular*	20a
		PDF63*	*Frame 6, 3-pole, 100% Rated, 102.0 lbs*	*Modular*	Interp.
		PDG63*	*Frame 6, 3-pole, 102.0 lbs*	*Modular*	Interp.
		PDG63P2000E2NM	*Frame 6, 3-pole, adjustable 2000 A, 102.0 lbs*	*Modular*	21
DC Breakers[2] (Thermal Trip) (Frame 2-3)	Eaton	PDK23*	*Frame 2, 3-pole , 4.7 lbs*	*Not Modular*	Interp.
		PDK23M0175TFFJ	*Frame 2, 3-pole, 175 A, 4.7 lbs*	*Not Modular*	20b
		PDK33*	*Frame 3, 3-pole, 14.8 lbs*	*Not Modular*	Interp.
		PDK33K0250TFAN	*Frame 3, 3-pole, 250 A, 13.4 lbs*	*Not Modular*	18, 19
		PDK33K0500TFAJ	*Frame 3, 3-pole, 500 A, 14.8 lbs*	*Not Modular*	20b

Notes:

1. *Frame 3, 4, 5 and 6 breaker assemblies may be assembled from individual Eaton breaker components at time of incorporation into Eaton products.*

2. *Frame 2 DC Breakers available from 15A to 225A. Frame 3 DC Breakers available from 100A to 600A.*

** Breakers listed here include part numbers which identify configuration, manufacturer, materials, and breaker rating. Interpolated items have the same manufacturer, materials, and have the same configuration and construction as the tested units.*

UNIT UNDER TEST (UUT) SUMMARY SHEET

1800524-CR-001-R6

Manufacturer: Eaton Corporation

Model Line: 93PM, 93PM-L, 93PM IAC, 93PM IBC Uninterruptible Power Supply (UPS)

UUT	Unit Description (mounting)	Report Number (UUT#)	Testing Lab	Year Tested	ISO 17025 Accredited?	S_{DS}	z/h	I_P
1	93PM 50kVA Capacity UPS (1 UPM)	71589 Rev.A (UUT1)	Element - Huntsville [1]	2014	Yes	2.39	1.0 0.0	1.5
2	93PM 200kVA Capacity UPS (4 UPM)	71589 Rev.A (UUT2)	Element - Huntsville [1]	2014	Yes	2.39	1.0 0.0	1.5
3	NOT USED							
4	93PM 50kVA Capacity UPS (1 UPM)	71589 Rev.A (UUT4)	Element - Huntsville [1]	2014	Yes	2.39	1.0 0.0	1.5
5	93PM 50kVA External Redundant IAC-T	71589 Rev.A (UUT5)	Element - Huntsville [1]	2014	Yes	1.83	1.0 0.0	1.5
6	93PM 200kVA External Capacity IAC-T	71589 Rev.A (UUT6)	Element - Huntsville [1]	2014	Yes	1.83	1.0 0.0	1.5
7	93PM 100kVA IBC-S (line & match)	71589 Rev.A (UUT7)	Element - Huntsville [1]	2014	Yes	1.83	1.0 0.0	1.5
8	93PM 100kVA IBC-L (line & match)	71589 Rev.A (UUT8)	Element - Huntsville [1]	2014	Yes	1.83	1.0 0.0	1.5
9	93PM 100kVA IBC-L (remote w/ left sidecar)	71589 Rev.A (UUT9)	Element - Huntsville [1]	2014	Yes	1.83	1.0 0.0	1.5
10	93PM 50kVA IAC-D	71589 Rev.A (UUT10)	Element - Huntsville [1]	2014	Yes	1.83	1.0 0.0	1.5
11	93PM 200kVA IAC-D	71589 Rev.A (UUT11)	Element - Huntsville [1]	2014	Yes	1.83	1.0 0.0	1.5
12	93PM 200kVA Capacity UPS (4 UPM)	174-9243708-000 (UUT12)	AREVA Inc.	2015	Yes	2.50	1.0 0.0	1.5
13	93PM 100kVA IBC-L	174-9243708-000 (UUT13)	AREVA Inc.	2015	Yes	2.29	1.0 0.0	1.5
14	93PM 200 kVA IBC-LHW	JID 16-00773 Rev.1 (UUT14)	Clark Testing	2016	Yes	2.00 3.20	1.0 0.0	1.5
15	93PM 400 kVA UPS (8 UPM)	JID 16-00773 Rev.1 (UUT15)	Clark Testing	2016	Yes	2.00 3.20	1.0 0.0	1.5
16	93PM-L-60kVA (3 UPM)	JID 19-00067 Rev.3 (UUT16)	Clark Testing	2019	Yes	1.83	1.0 0.0	1.5
17	93PM-L-200kVA (10 UPM)	JID 19-00067 Rev.3 (UUT17)	Clark Testing	2019	Yes	1.83	1.0 0.0	1.5

Notes:

1. Element - Huntsville was formerly Wyle Laboratories.

UNIT UNDER TEST (UUT) SUMMARY SHEET

1800524-CR-001-R6

Manufacturer: Eaton Corporation

Model Line: 93PM, 93PM-L, 93PM IAC, 93PM IBC Uninterruptible Power Supply (UPS)

UUT	Unit Description (mounting)	Report Number (UUT#)	Testing Lab	Year Tested	ISO 17025 Accredited?	S_{DS}	z/h	I_P
18	93PM 432V IBC-SW	JID 24-00216 (UUT2b)	Clark Testing	2024	Yes	2.0 2.5	1.0 0.0	1.5
19	93PM 480V IBC-SW	JID 24-00216 (UUT3b)	Clark Testing	2024	Yes	2.0 2.5	1.0 0.0	1.5
20a	9PZR-Custom-1 w/ Convenience Outlet	JID 24-00216 (UUT4a)	Clark Testing	2024	Yes	2.0 2.5	1.0 0.0	1.5
20b	9PZR-Custom-1	JID 24-00216 (UUT4b)	Clark Testing	2024	Yes	2.0 2.5	1.0 0.0	1.5
21	9PZR-Custom-2	JID 24-00216 (UUT5)	Clark Testing	2024	Yes	2.0 2.5	1.0 0.0	1.5

Notes:

UNIT UNDER TEST (UUT) SUMMARY SHEET

1800524-CR-001-R6

UUT 1

Manufacturer: Eaton Corporation
Model Line: 93PM Uninterruptible Power Supply (UPS)
Model Number: 9PA05D0220A01R1 ***Serial Number:*** N/A

Product Construction Summary:
Powder Coated Carbon Steel Framing

Options/Subcomponent Summary:
50kVA Capacity UPS (1 UPM); No Batteries; No Sidecare; Frame (Eaton); MBS Switch (Eaton);
Power Modules: Eaton (730-B1045); **Static Switches:** Eaton (730-D0039); **Contactors:** Eaton (DILM17-10 (RDC60));
Breakers: Eaton (HFD3110L); **Seismic Kit:** Eaton (P-103000765)

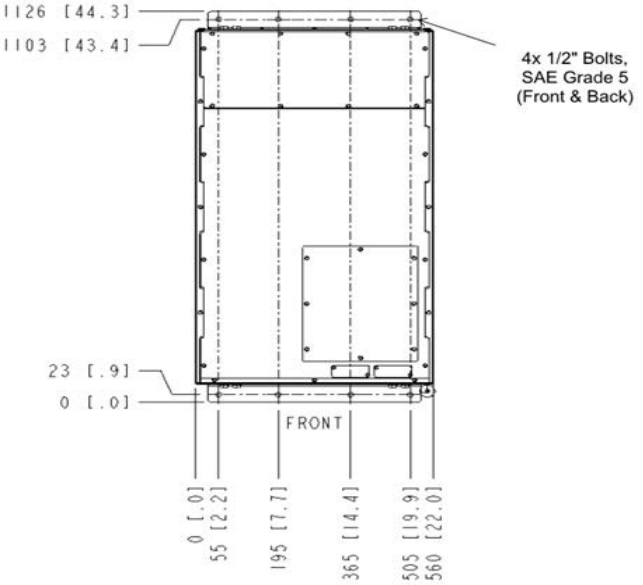
UUT Properties

Weight (lbs.)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
686	42.0	22.0	74.0	13.0	10.5	>33.3

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S_{DS} (g)	z/h	I_P	A_{FLX-H} (g)	A_{RIG-H} (g)	A_{FLX-V} (g)	A_{RIG-V} (g)
CBC 2022	ICC-ES AC156	2.39	1.0	1.5	3.82	2.87	1.59	0.64
		2.39	0.0					

Test Mounting Details: *(Test Report: 71589 Rev.A (UUT1))*



The UUT1 was based mounted - rigid to steel floor members using eight (8) 1/2" Grade 5 bolts. The steel floor members were welded to the shake table. Mounting brackets were attached to the UUT using eight (8) M8x20 Class 8.8 bolts.
Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

UNIT UNDER TEST (UUT) SUMMARY SHEET

1800524-CR-001-R6

UUT 2

Manufacturer: Eaton Corporation
Model Line: 93PM Uninterruptible Power Supply (UPS)
Model Number: 9PV20D0029F20R1 ***Serial Number:*** N/A

Product Construction Summary:
Powder Coated Carbon Steel Framing

Options/Subcomponent Summary:
200kVA Capacity UPS (4 UPM) + 4 Bkr MBS Sidecar; Frame (Eaton); Static Switch (Eaton); Contactor (Eaton);
Breakers: Eaton (HKD3300W, HKD3400W); **Power Modules:** Eaton (730-B1045); **Seismic Kit:** Eaton (P-103000842);
Side Car Seismic Kit: Eaton (P-103000844)

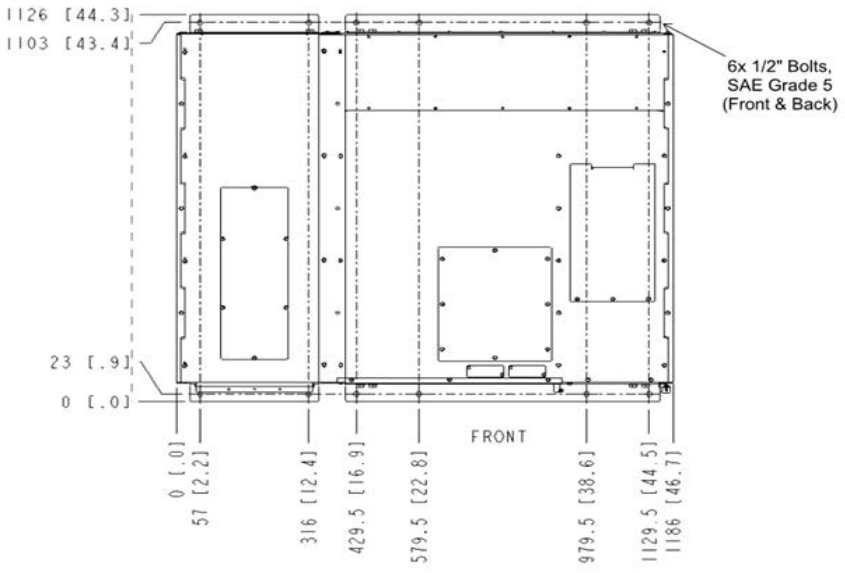
UUT Properties

Weight (lbs.)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
1,774	42.0	46.7	74.0	14.0	12.2	32.0

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S_{DS} (g)	z/h	I_P	A_{FLX-H} (g)	A_{RIG-H} (g)	A_{FLX-V} (g)	A_{RIG-V} (g)
CBC 2022	ICC-ES AC156	2.39	1.0	1.5	3.82	2.87	1.59	0.64
		2.39	0.0					

Test Mounting Details: *(Test Report: 71589 Rev.A (UUT2))*



The UUT2 was base mounted - rigid to steel floor members using twelve (12) 1/2" Grade 5 bolts. The steel floor members were welded to the shake table. Mounting brackets were attached to the UUT using twelve (12) M8x20 Class 8.8 bolts.
Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

UNIT UNDER TEST (UUT) SUMMARY SHEET

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UUT 4

Manufacturer: Eaton Corporation
Model Line: 93PM Uninterruptible Power Supply (UPS)
Model Number: 9PA05D6029L00R1 ***Serial Number:*** N/A

Product Construction Summary:
Powder Coated Carbon Steel Framing

Options/Subcomponent Summary:
50kVA Capacity UPS (1 UPM) with Batteries + Tie / Bypass Sidecar; Frame (Eaton); MBS Switch (Sontheimer);
Power Modules: Eaton (730-B1045); **Static Switches:** Eaton (730-D0039); **Contactors:** Eaton (DILM17-10 (RDC60));
Batteries: CSB (PWHR1234W2FR); **Breakers:** Eaton (HFD3080L, HFD3110L, HFD4175ELA02S22, HJGE3125FAGC);
Seismic Kit: Eaton (P-103000765); **Side Car Seismic Kit:** Eaton (P-103000766)

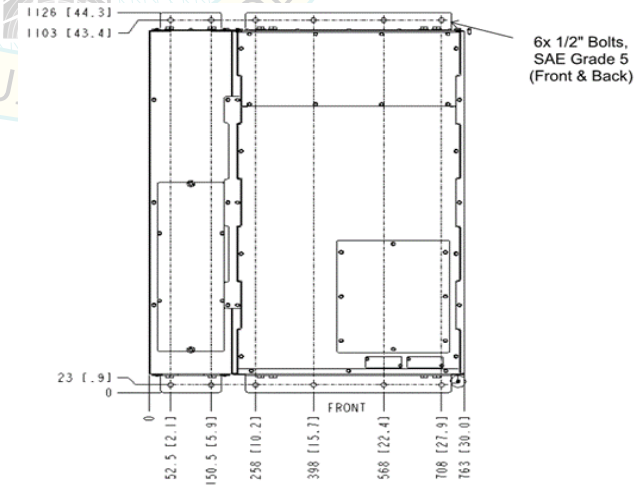
UUT Properties

Weight (lbs.)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
2,178	42.0	30.0	74.0	13.0	7.8	> 33.3

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S_{DS} (g)	z/h	I_P	A_{FLX-H} (g)	A_{RIG-H} (g)	A_{FLX-V} (g)	A_{RIG-V} (g)
CBC 2022	ICC-ES AC156	2.39	1.0	1.5	3.82	2.87	1.59	0.64
		2.39	0.0					

Test Mounting Details: *(Test Report: 71589 Rev.A (UUT4))*



The UUT4 was base mounted - rigid to steel floor members using twelve (12) 1/2" Grade 5 bolts. The steel floor members were welded to the shake table. Mounting brackets were attached to the UUT using twelve (12) M8x20 Class 8.8 bolts.
Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

UNIT UNDER TEST (UUT) SUMMARY SHEET

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UUT 5

Manufacturer: Eaton Corporation
Model Line: 93PM IAC
Model Number: 9PZMAA000000010 ***Serial Number:*** N/A

Product Construction Summary:
Powder Coated Carbon Steel Framing

Options/Subcomponent Summary:
50kVA External Redundant IAC-T, 2 Bkr. Frame (Eaton);
Breakers: Eaton (FD3080); **Seismic Kit:** Eaton (P-103000843)

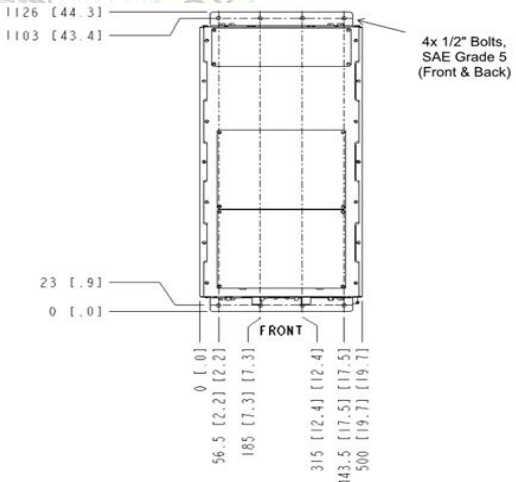
UUT Properties

Weight (lbs.)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
404	42.0	19.7	74.0	9.0	7.9	24.0

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S_{DS} (g)	z/h	I_P	A_{FLX-H} (g)	A_{RIG-H} (g)	A_{FLX-V} (g)	A_{RIG-V} (g)
CBC 2022	ICC-ES AC156	1.83	1.0	1.5	2.93	2.20	1.22	0.49
		1.83	0.0					

Test Mounting Details: *(Test Report: 71589 Rev.A (UUT5))*



The UUT5 was base mounted - rigid to steel floor members using eight (8) 1/2" Grade 5 bolts. The steel floor members were welded to the shake table. Mounting brackets were attached to the UUT using eight (8) M8x20 Class 8.8 bolts.
Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

UNIT UNDER TEST (UUT) SUMMARY SHEET

1800524-CR-001-R6

UUT 6

Manufacturer: Eaton Corporation
Model Line: 93PM IAC
Model Number: 9PZMDF200000010 ***Serial Number:*** N/A

Product Construction Summary:
Powder Coated Carbon Steel Framing

Options/Subcomponent Summary:
200kVA External Capacity IAC-T, 4 Bkr + MIS, MBP. Frame (Eaton);
Breakers: Eaton (HLGE3300FAW, HNGS312032MC); **Seismic Kit:** Eaton (P-103000843)

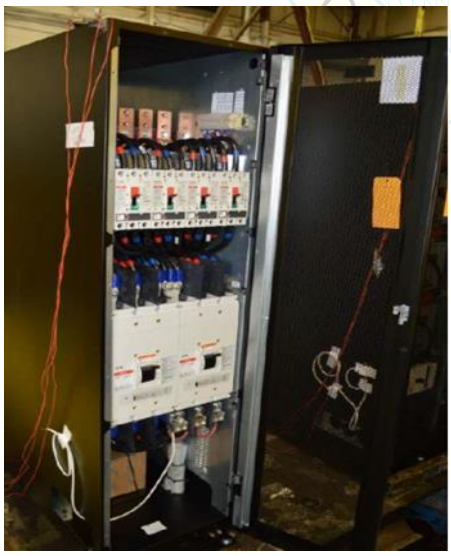
UUT Properties

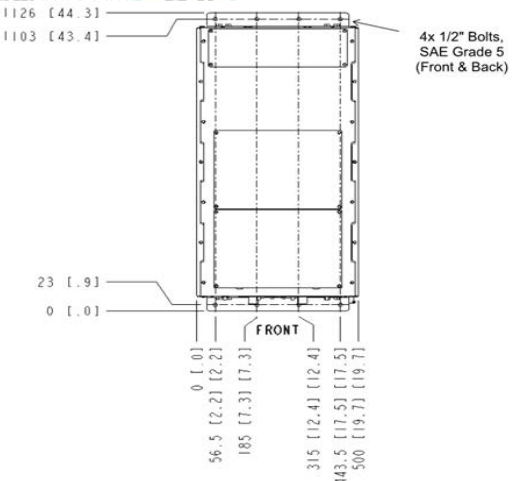
Weight (lbs.)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
726	42.0	19.7	74.0	9.5	5.5	> 33.3

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S_{DS} (g)	z/h	I_P	A_{FLX-H} (g)	A_{RIG-H} (g)	A_{FLX-V} (g)	A_{RIG-V} (g)
CBC 2022	ICC-ES AC156	1.83	1.0	1.5	2.93	2.20	1.22	0.49
		1.83	0.0					

Test Mounting Details: *(Test Report: 71589 Rev.A (UUT6))*





The UUT6 was base mounted - rigid to steel floor members using eight (8) 1/2" Grade 5 bolts. The steel floor members were welded to the shake table. Mounting brackets were attached to the UUT using eight (8) M8x20 Class 8.8 bolts.
Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

UNIT UNDER TEST (UUT) SUMMARY SHEET

1800524-CR-001-R6

UUT 7

Manufacturer: Eaton Corporation
Model Line: 93PM IBC
Model Number: 9PZBBAY08013010 ***Serial Number:*** N/A

Product Construction Summary:
Powder Coated Carbon Steel Framing

Options/Subcomponent Summary:
100kVA IBC-S, Line & Match. Frame (Eaton);
Breakers: Eaton (HKDC3300WA07S49); **Batteries:** G.S. YUASA (NPX-80RFR); **Seismic Kit:** Eaton (P-103000843)

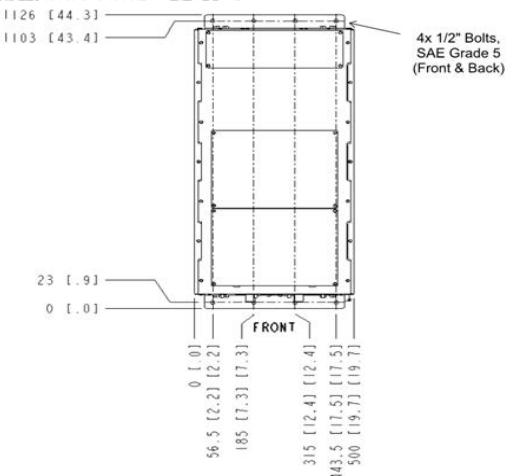
UUT Properties

Weight (lbs.)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
2,246	42.0	19.7	74.0	10.0	5.0	22.0

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S_{DS} (g)	z/h	I_P	A_{FLX-H} (g)	A_{RIG-H} (g)	A_{FLX-V} (g)	A_{RIG-V} (g)
CBC 2022	ICC-ES AC156	1.83	1.0	1.5	2.93	2.20	1.22	0.49
		1.83	0.0					

Test Mounting Details: *(Test Report: 71589 Rev.A (UUT7))*



The UUT7 was rigid mounted to steel floor members using eight (8) 1/2" Grade 5 bolts. The steel floor members were welded to the shake table. Mounting brackets were attached to the UUT using eight (8) M8x20 Class 8.8 bolts.
Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

UNIT UNDER TEST (UUT) SUMMARY SHEET

1800524-CR-001-R6

UUT 8

Manufacturer: Eaton Corporation
Model Line: 93PM IBC
Model Number: 9PZABAE50010010 ***Serial Number:*** N/A

Product Construction Summary:
Powder Coated Carbon Steel Framing

Options/Subcomponent Summary:
100kVA IBC-L, Line & Match. Frame (Eaton);
Breakers: Eaton (HKDC3300WA07S49); **Batteries:** CSB (PWHR12500W4FR); **Seismic Kit:** Eaton (P-103000768)

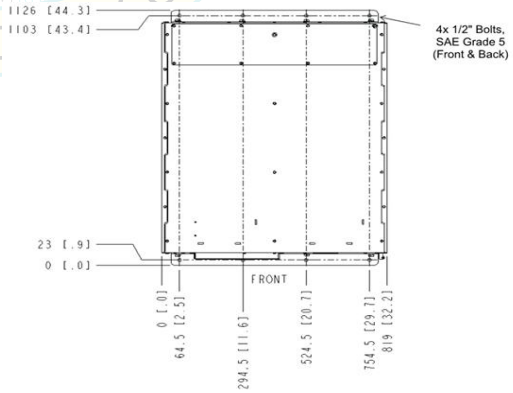
UUT Properties

Weight (lbs.)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
4,745	42.0	32.2	74.0	10.0	4.7	21.0

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S_{DS} (g)	z/h	I_P	A_{FLX-H} (g)	A_{RIG-H} (g)	A_{FLX-V} (g)	A_{RIG-V} (g)
CBC 2022	ICC-ES AC156	1.83	1.0	1.5	2.93	2.20	1.22	0.49
		1.83	0.0					

Test Mounting Details: *(Test Report: 71589 Rev.A (UUT8))*



The UUT8 was base mounted - rigid to steel floor members using eight (8) 1/2" Grade 5 bolts. The steel floor members were welded to the shake table. Mounting brackets were attached to the UUT using eight (8) M12x25 Class 8.8 bolts.
Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

UNIT UNDER TEST (UUT) SUMMARY SHEET

1800524-CR-001-R6

UUT 9

Manufacturer: Eaton Corporation
Model Line: 93PM IBC
Model Number: 9PZABAE50L10010 ***Serial Number:*** N/A

Product Construction Summary:
Powder Coated Carbon Steel Framing

Options/Subcomponent Summary:
100kVA IBC-L; Remote with Left Sidecar; Frame (Eaton);
Breakers: Eaton (HKDC3300WA07S49); **Seismic Kit:** Eaton (P-103000769);
Batteries: CSB (PWHR12500W4FR), ENERSYS (0790-6005-C0K00), NORTHSTAR (NSB12540)

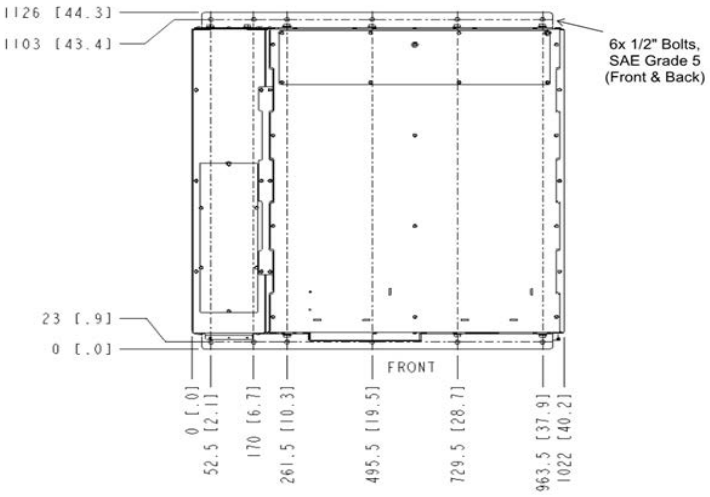
UUT Properties

Weight (lbs.)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
4,841	42.0	40.2	74.0	9.5	5.7	22.0

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S_{DS} (g)	z/h	I_P	A_{FLX-H} (g)	A_{RIG-H} (g)	A_{FLX-V} (g)	A_{RIG-V} (g)
CBC 2022	ICC-ES AC156	1.83	1.0	1.5	2.93	2.20	1.22	0.49
		1.83	0.0					

Test Mounting Details: *(Test Report: 71589 Rev.A (UUT9))*



The UUT9 was base mounted - rigid to steel floor members using twelve (12) 1/2" Grade 5 bolts. The steel floor members were welded to the shake table. Mounting brackets were attached to the UUT using eight (8) M12x25 Class 8.8 bolts (IBC-L) and four (4) M8x20 Class 8.8 bolts (sidecar).
Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

UNIT UNDER TEST (UUT) SUMMARY SHEET

1800524-CR-001-R6

UUT 10

Manufacturer: Eaton Corporation
Model Line: 93PM IAC
Model Number: 9PZD1H000000011 ***Serial Number:*** N/A

Product Construction Summary:
Powder Coated Carbon Steel Framing

Options/Subcomponent Summary:
50kVA IAC-D; 480 Vin / 208 Vout. Frame (Eaton);
Breakers: Eaton (HFD3080L, HKD3175W); **Transformer:** Eaton (WPV50012); **Seismic Kit:** Eaton (P-103000767)

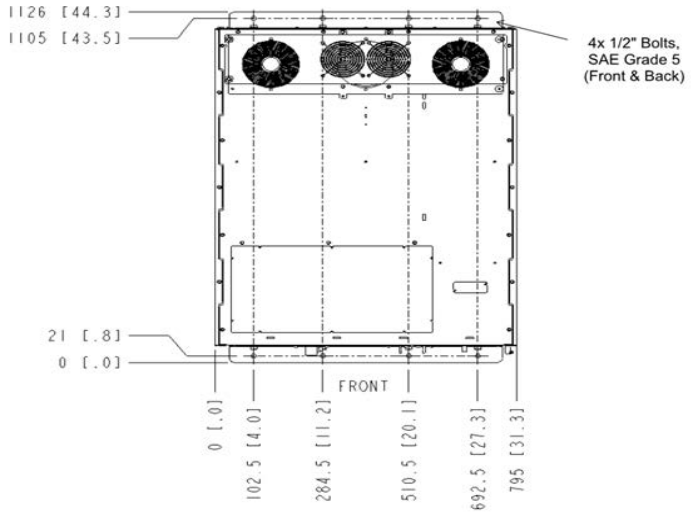
UUT Properties

Weight (lbs.)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
1,105	42.0	31.3	74.0	11.0	7.9	22.0

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S_{DS} (g)	z/h	I_P	A_{FLX-H} (g)	A_{RIG-H} (g)	A_{FLX-V} (g)	A_{RIG-V} (g)
CBC 2022	ICC-ES AC156	1.83	1.0	1.5	2.93	2.20	1.22	0.49
		1.83	0.0					

Test Mounting Details: *(Test Report: 71589 Rev.A (UUT10))*



The UUT10 was base mounted - rigid to steel floor members using eight (8) 1/2" Grade 5 bolts. The steel floor members were welded to the shake table. Mounting brackets were attached to the UUT using eight (8) M12x25 Class 8.8 bolts.
Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

UNIT UNDER TEST (UUT) SUMMARY SHEET

1800524-CR-001-R6

UUT 11

Manufacturer: Eaton Corporation
Model Line: 93PM IAC
Model Number: 9PZG4SBC0001011 ***Serial Number:*** N/A

Product Construction Summary:
Powder Coated Carbon Steel Framing

Options/Subcomponent Summary:
200kVA IAC-D; 480 Vin / 208 Vout; Frame (Eaton);
Breakers: Eaton (FD3225, KD3400F); **Panel Board:** Eaton (122950146, 122950147); **Transformer:** Eaton (WPN19132);
Seismic Kit: Eaton (P-103000767)

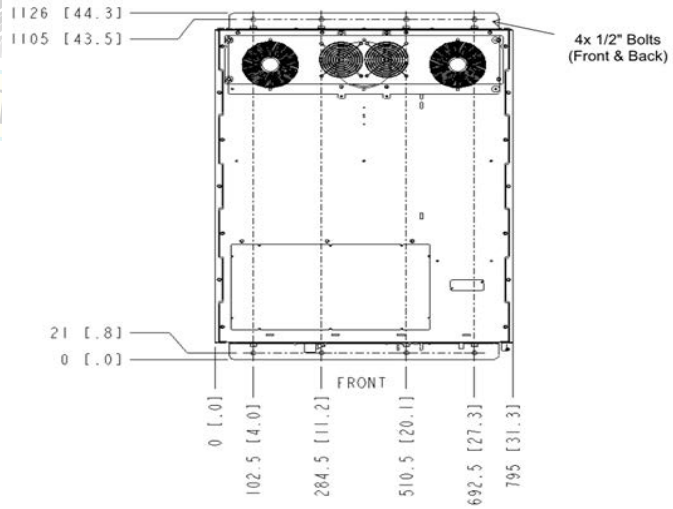
UUT Properties

Weight (lbs.)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
2,165	42.0	31.3	74.0	9.5	8.0	22.0

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S_{DS} (g)	z/h	I_P	A_{FLX-H} (g)	A_{RIG-H} (g)	A_{FLX-V} (g)	A_{RIG-V} (g)
CBC 2022	ICC-ES AC156	1.83	1.0	1.5	2.93	2.20	1.22	0.49
		1.83	0.0					

Test Mounting Details: *(Test Report: 71589 Rev.A (UUT11))*



The UUT11 was base mounted - rigid to steel floor members using eight (8) 1/2" Grade 5 bolts. The steel floor members were welded to the shake table. Mounting brackets were attached to the UUT using eight (8) M12x25 Class 8.8 bolts.
Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

UNIT UNDER TEST (UUT) SUMMARY SHEET

1800524-CR-001-R6

UUT 12

Manufacturer: Eaton Corporation
Model Line: 93PM Uninterruptible Power Supply (UPS)
Model Number: 9PV20C0029F20R2 ***Serial Number:*** N/A

Product Construction Summary:
Powder Coated Carbon Steel Framing

Options/Subcomponent Summary:
200kVA Capacity UPS (4 UPM) + 4 Bkr MBS Sidecar; Frame (Eaton);
Power Modules: Eaton (730-D0057); **Static Switches:** Eaton (730-D0021); **Contactors:** Eaton (DILM250/22 (RDC48));
Breakers: Eaton (HKD3300W, HKD3400W); **Seismic Kit:** Eaton (P-103000842); **Side Car Seismic Kit:** Eaton (P-103000844)

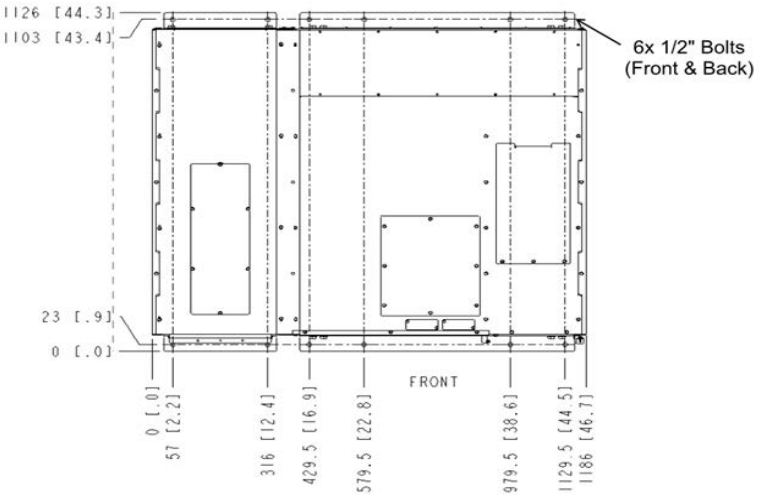
UUT Properties

Weight (lbs.)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
1,795	42.0	46.7	74.0	6.4	5.2	6.2

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S_{DS} (g)	z/h	I_P	A_{FLX-H} (g)	A_{RIG-H} (g)	A_{FLX-V} (g)	A_{RIG-V} (g)
CBC 2022	ICC-ES AC156	2.5	1.0	1.5	4.00	3.00	1.67	0.67
		2.5	0.0					

Test Mounting Details: *(Test Report: 174-9243708-000 (UUT12))*



The UUT12 was base mounted - rigid to an aluminum plate using twelve (12) 1/2" Grade 5 bolts and washers torqued to 63 ft./lbs. The aluminum plate was base mounted - rigid to the shake table. Mounting brackets were attached to the UUT using twelve (12) M8x20 Class 8.8 bolts.
Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

UNIT UNDER TEST (UUT) SUMMARY SHEET

1800524-CR-001-R6

UUT 13

Manufacturer: Eaton Corporation
Model Line: 93PM 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);
Batteries: CSB (PWHR12280W4FR), ENERSYS (12HX300, 12HX500), C&D Dynasty (UPS12-300MR, UPS12-490MR);
Breakers: Eaton (HKDDC3300WA07S49); **Seismic Kit:** Eaton (P-103000768)

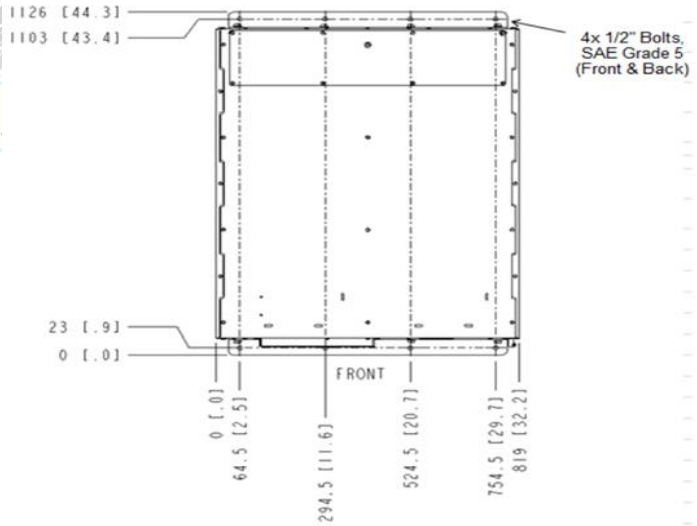
UUT Properties

Weight (lbs.)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
3,185	42.0	32.2	74.0	14.6	5.4	> 33.3

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S_{DS} (g)	z/h	I_P	A_{FLX-H} (g)	A_{RIG-H} (g)	A_{FLX-V} (g)	A_{RIG-V} (g)
CBC 2022	ICC-ES AC156	2.29	1.0	1.5	3.66	2.75	1.53	0.61
		2.29	0.0					

Test Mounting Details: *(Test Report: 174-9243708-000 (UUT13))*



The UUT13 was base mounted - rigid to an aluminum plate using eight (8) 1/2" Grade 5 bolts and washers torqued to 63 ft./lbs. The aluminum plate was base mounted - rigid to the shake table. Mounting brackets were attached to the UUT using eight (8) M12x25 Class 8.8 bolts.
Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

UNIT UNDER TEST (UUT) SUMMARY SHEET

1800524-CR-001-R6

UUT 14

Manufacturer: Eaton Corporation
Model Line: 93PM IBC
Model Number: 9PZUDBN54010010 ***Serial Number:*** N/A

Product Construction Summary:
Powder Coated Carbon Steel Framing

Options/Subcomponent Summary:
93PM 200 kVA IBC-LHW; Line and Match;
Batteries: NORTHSTAR (NSB12540 x40); **Seismic Kit:** Eaton (P-103002072)

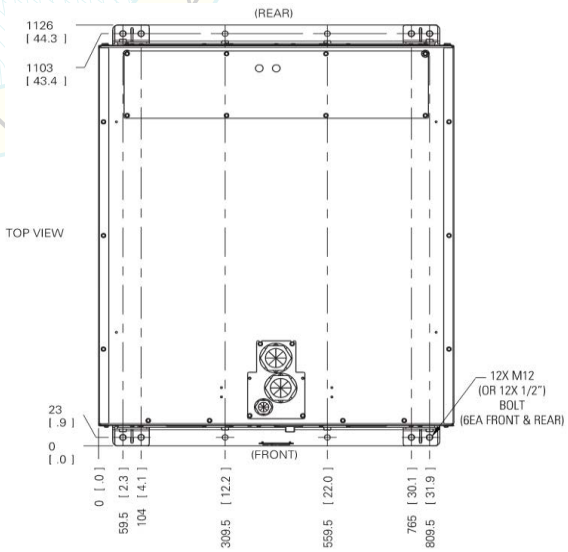
UUT Properties

Weight (lbs.)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
5,082	42.0	34.2	74.0	10.57	9.86	>33.33

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S_{DS} (g)	z/h	I_P	A_{FLX-H} (g)	A_{RIG-H} (g)	A_{FLX-V} (g)	A_{RIG-V} (g)
CBC 2022	ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	2.13	0.85
		3.20	0.0					

Test Mounting Details: *(Test Report: JID 16-00773 Rev.1 (UUT14))*



The UUT14 was base mounted - rigid to an aluminum plate using twelve (12) 1/2"-13 Grade 5 hex head bolts, washers, and lock washers torqued to 55 ft./lbs. The Aluminum plate was base mounted - rigid to the shake table. Mounting brackets were attached to the UUT using twelve (12) M8x25 Class 8.8 bolts.
Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

UNIT UNDER TEST (UUT) SUMMARY SHEET

1800524-CR-001-R6

UUT 15

Manufacturer: Eaton Corporation
Model Line: 93PM Uninterruptible Power Supply (UPS)
Model Number: 9P640D0029A00R2 ***Serial Number:*** N/A

Product Construction Summary:
Powder Coated Carbon Steel Framing

Options/Subcomponent Summary:
400 kVA UPS (8 UPM); Frame (Eaton);
Seismic Kit: Eaton (P-103000842, QTY 2)

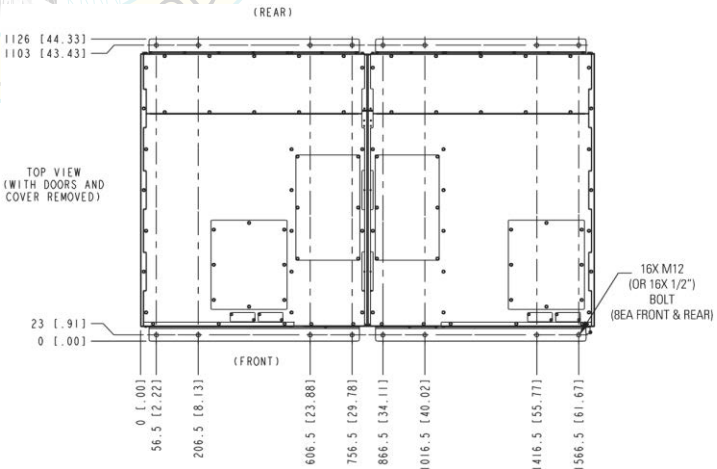
UUT Properties

Weight (lbs.)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
2,628	42.0	63.9	74.0	20.55	12.91	>33.33

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S_{DS} (g)	z/h	I_P	A_{FLX-H} (g)	A_{RIG-H} (g)	A_{FLX-V} (g)	A_{RIG-V} (g)
CBC 2022	ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	2.13	0.85
		3.20	0.0					

Test Mounting Details: *(Test Report: JID 16-00773 Rev.1 (UUT15))*



UUT15 was base mounted - rigid to an aluminum plate using sixteen (16) 1/2"-13 Grade 5 hex head bolts, washers and lock washers torqued to 55 ft./lbs. The Aluminum plate was base mounted - rigid to the shake table. Mounting brackets were attached to the UUT using (16) M8x20 Class 8.8 bolts.
Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

UNIT UNDER TEST (UUT) SUMMARY SHEET

1800524-CR-001-R6

UUT 16

Manufacturer: Eaton Corporation
Model Line: 93PM Uninterruptible Power Supply (UPS)
Model Number: 9GC312A700A02R0 ***Serial Number:*** EN025UJJ02

Product Construction Summary:
Powder Coated Carbon Steel Framing

Options/Subcomponent Summary:
93PM-L-60kVA; Frame (Eaton);
Power Modules: Eaton (730-05211 x3); **Static Switches:** Eaton (730-05213); **Batteries:** CSB (HR1227WFR x160);
Seismic Kit: Eaton (P-103000765)

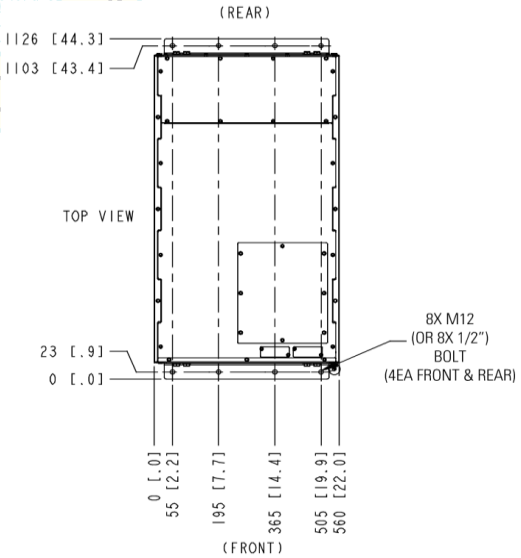
UUT Properties

Weight (lbs.)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
1,604	42.0	22.0	74.0	10.5	6.6	12.2

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S_{DS} (g)	z/h	I_P	A_{FLX-H} (g)	A_{RIG-H} (g)	A_{FLX-V} (g)	A_{RIG-V} (g)
CBC 2022	ICC-ES AC156	1.83	1.0	1.5	2.93	2.20	1.22	0.49
		1.83	0.0					

Test Mounting Details: *(Test Report: JID 19-00067 Rev.3 (UUT16))*



The UUT16 was base mounted - rigid to an aluminum plate using eight (8) 1/2"-13 Grade 5 bolts, washers, and lock washers torqued to 55 ft./lbs. The aluminum plate was base mounted - rigid to the shake table. Mounting brackets were attached to the UUT using eight (8) M8x20 Class 8.8 bolts.
Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

UNIT UNDER TEST (UUT) SUMMARY SHEET

1800524-CR-001-R6

UUT 17

Manufacturer: Eaton Corporation
Model Line: 93PM Uninterruptible Power Supply (UPS)
Model Number: 9GK040A000A02R0 ***Serial Number:*** EN021UJJ05

Product Construction Summary:
Powder Coated Carbon Steel Framing

Options/Subcomponent Summary:
93PM-L-200kVA; Frame (Eaton);
Power Modules: Eaton (730-05211 x10); **Static Switches:** Eaton (730-05214); **Seismic Kit:** Eaton (P-103003059)

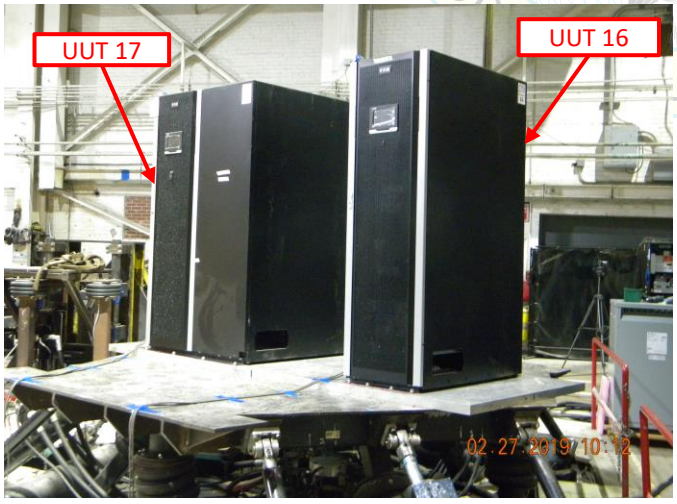
UUT Properties

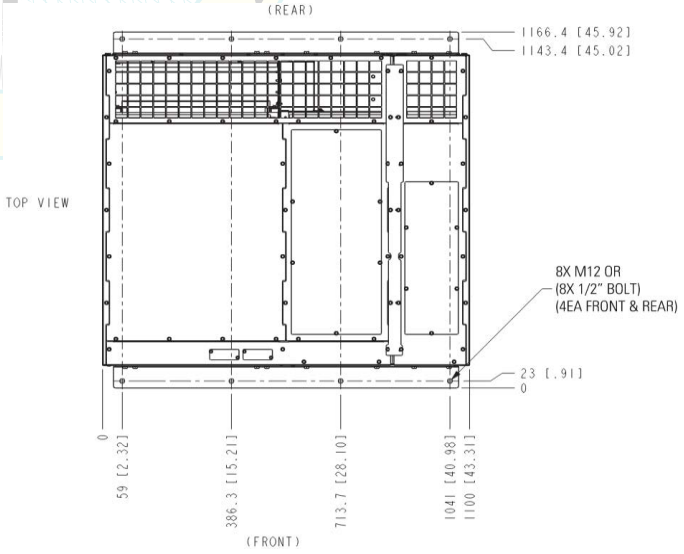
Weight (lbs.)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
1,722	42.0	43.4	74.0	22.4	19.2	>33.3

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S_{DS} (g)	z/h	I_P	A_{FLX-H} (g)	A_{RIG-H} (g)	A_{FLX-V} (g)	A_{RIG-V} (g)
CBC 2022	ICC-ES AC156	1.83	1.0	1.5	2.93	2.20	1.22	0.49
		1.83	0.0					

Test Mounting Details: *(Test Report: JID 19-00067 Rev.3 (UUT17))*





The UUT17 was base mounted - rigid to an aluminum plate using eight (8) 1/2"-13 Grade 5 bolts, washers, and lock washers torqued to 55 ft./lbs. The aluminum plate was base mounted - rigid to the shake table. Mounting brackets were attached to the UUT using (16) M8x20 Class 8.8 bolts.
Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

UNIT UNDER TEST (UUT) SUMMARY SHEET

1800524-CR-001-R6

UUT 18

Manufacturer: Eaton Corporation
Model Line: 93PM IBC
Model Number: 9PZWBAE20010010 ***Serial Number:*** FT082VXX09

Product Construction Summary:
Powder Coated Carbon Steel Framing

Options/Subcomponent Summary:
432V IBC-SW; No Sidecar; Frame (Eaton); With Monitoring Tabs; Without Thermal Sensor
Batteries: CSB (PWHR12200W4FR); **Breakers (DC - Thermal Trip):** Eaton (PDK33K0250TFAN);
Seismic Kit: Eaton (P-103005194 x2)

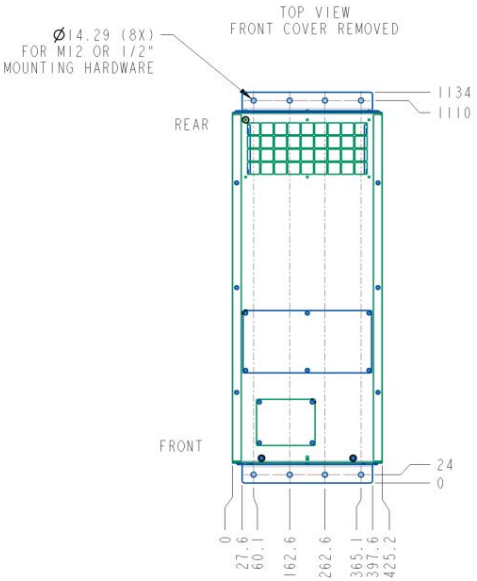
UUT Properties

Weight (lbs.)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
1,997	42.0	16.9	74.0	12.54	10.04	>33.33

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S_{DS} (g)	z/h	I_P	A_{FLX-H} (g)	A_{RIG-H} (g)	A_{FLX-V} (g)	A_{RIG-V} (g)
CBC 2022	ICC-ES AC156	2.0	1.0	1.5	3.20	2.40	1.67	0.67
		2.5	0.0					

Test Mounting Details: *(Test Report: JID 24-00216 (UUT2b))*



UUT18 was base mounted - rigid using eight (8) Grade 5 SAE 1/2-13 hex bolts, washers and lock washers, torqued to 60ft.-lbs. Mounting brackets were attached to the UUT using eight (8) M8 Class 8.8 bolts.
Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

UNIT UNDER TEST (UUT) SUMMARY SHEET

1800524-CR-001-R6

UUT 19

Manufacturer: Eaton Corporation
Model Line: 93PM IBC
Model Number: 9PZWBBE20010210 ***Serial Number:*** FT082VXX11

Product Construction Summary:
Powder Coated Carbon Steel Framing

Options/Subcomponent Summary:
480V IBC-SW; No Sidecar; Frame (Eaton); With Monitoring Tabs and Thermal Sensor
Batteries: CSB (PWHR12200W4FR); **Breakers (DC - Thermal Trip):** Eaton (PDK33K0250TFAN);
Seismic Kit: Eaton (P-103005194)

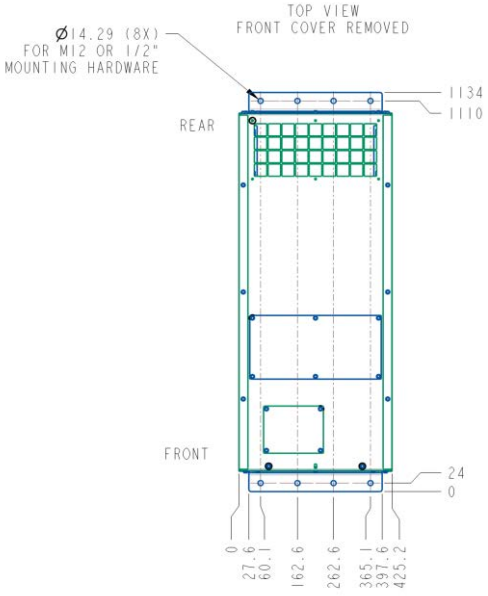
UUT Properties

Weight (lbs.)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
2,141	42.0	16.9	74.0	12.85	9.09	>33.33

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S_{DS} (g)	z/h	I_P	A_{FLX-H} (g)	A_{RIG-H} (g)	A_{FLX-V} (g)	A_{RIG-V} (g)
CBC 2022	ICC-ES AC156	2.0	1.0	1.5	3.20	2.40	1.67	0.67
		2.5	0.0					

Test Mounting Details: *(Test Report: JID 24-00216 (UUT3b))*



UUT19 was base mounted - rigid using eight (8) Grade 5 SAE 1/2-13 hex bolts, washers and lock washers, torqued to 60ft.-lbs. Mounting brackets were attached to the UUT using eight (8) M8 Class 8.8 bolts.
Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

UNIT UNDER TEST (UUT) SUMMARY SHEET

1800524-CR-001-R6

UUT 20a

Manufacturer: Eaton Corporation
Model Line: 93PM IAC
Model Number: 9PZR-Custom-1 w/ Convenience Outlet ***Serial Number:*** N/A

Product Construction Summary:
Powder Coated Carbon Steel Framing. 120V AC Convenience Outlet

Options/Subcomponent Summary:
IAC-B; Frame (Eaton)
Kirk Key System: Eaton (P-116000097); **Breakers (AC - Thermal Magnetic):** Eaton (PDG33K0400TFAN, PDG43M0600TFAN); **Breakers (AC- Electronic Trip):** Eaton (PDG23G0225B2NL, PDG53P1200E2NM); **Seismic Kit:** Eaton (P-10300767); **Transformers:** Eaglerise (149502123), Eaton (C0025E2A);
120V AC Convenience Outlet

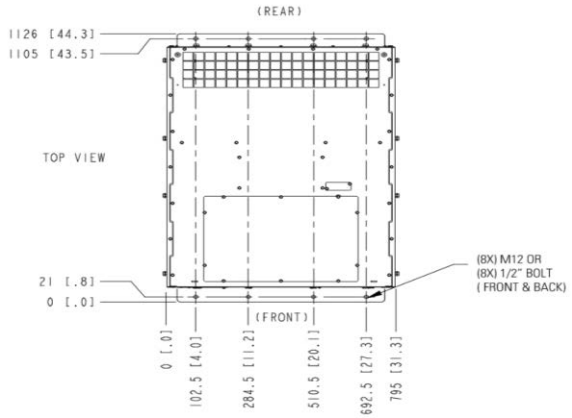
UUT Properties

Weight (lbs.)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
733	42.0	31.5	73.5	16.07	17.52	>33.33

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S_{DS} (g)	z/h	I_P	A_{FLX-H} (g)	A_{RIG-H} (g)	A_{FLX-V} (g)	A_{RIG-V} (g)
CBC 2022	ICC-ES AC156	2.0	1.0	1.5	3.20	2.40	1.67	0.67
		2.5	0.0					

Test Mounting Details: *(Test Report: JID 24-00216 (UUT4a))*



UUT20a was base mounted - rigid using eight (8) Grade 5 SAE 1/2-13 hex bolts, washers and lock washers, torqued to 60ft.-lbs. Mounting brackets were attached to the UUT using eight (8) M12 Class 8.8 bolts.
Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

UNIT UNDER TEST (UUT) SUMMARY SHEET

1800524-CR-001-R6

UUT 20b

Manufacturer: Eaton Corporation
Model Line: 93PM IAC
Model Number: 9PZR-Custom-1 ***Serial Number:*** N/A

Product Construction Summary:
Powder Coated Carbon Steel Framing

Options/Subcomponent Summary:
IAC-B; Frame (Eaton)
Breakers (AC - Thermal Magnetic): Eaton (PDG13G0125TFFJ, PDG43M0600TFAN);
Breakers (DC - Thermal Trip): Eaton (PDK23M0175TFFJ, PDK33K0500TFAJ); **Seismic Kit:** Eaton (P-103000767)

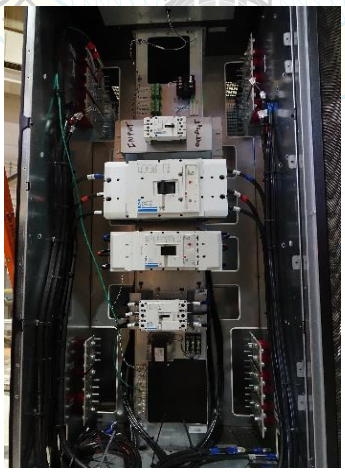
UUT Properties

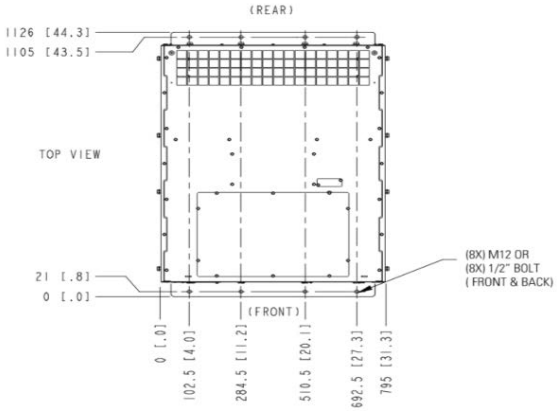
Weight (lbs.)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
664	42.0	31.5	73.5	15.74	14.46	>33.33

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S_{DS} (g)	z/h	I_P	A_{FLX-H} (g)	A_{RIG-H} (g)	A_{FLX-V} (g)	A_{RIG-V} (g)
CBC 2022	ICC-ES AC156	2.0	1.0	1.5	3.20	2.40	1.67	0.67
		2.5	0.0					

Test Mounting Details: *(Test Report: JID 24-00216 (UUT4b))*





UUT20b was base mounted - rigid using eight (8) Grade 5 SAE 1/2-13 hex bolts, washers and lock washers, torqued to 60ft.-lbs. Mounting brackets were attached to the UUT using eight (8) M12 Class 8.8 bolts.
Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

UNIT UNDER TEST (UUT) SUMMARY SHEET

1800524-CR-001-R6

UUT 21

Manufacturer: Eaton Corporation
Model Line: 93PM IAC
Model Number: 9PZR-Custom-2 ***Serial Number:*** N/A

Product Construction Summary:
Powder Coated Carbon Steel Framing

Options/Subcomponent Summary:
IAC-B; Frame (Eaton)
Breakers (AC- Electronic Trip): Eaton (PDG63P2000E2NM); **Seismic Kit:** Eaton (P-103000767)

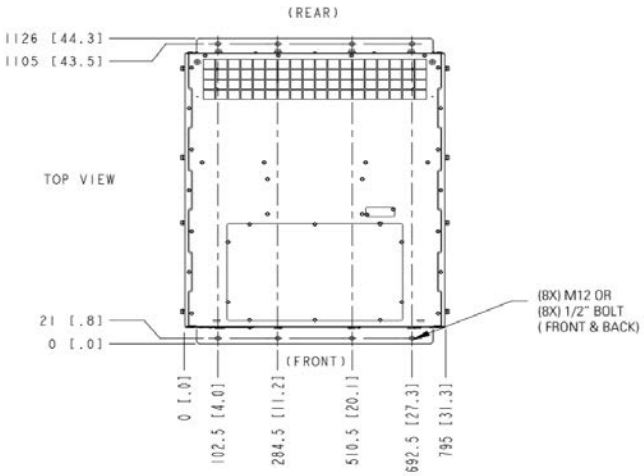
UUT Properties

Weight (lbs.)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
694	42.0	31.5	73.5	14.89	17.52	24.67

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S_{DS} (g)	z/h	I_P	A_{FLX-H} (g)	A_{RIG-H} (g)	A_{FLX-V} (g)	A_{RIG-V} (g)
CBC 2022	ICC-ES AC156	2.0	1.0	1.5	3.20	2.40	1.67	0.67
		2.5	0.0					

Test Mounting Details: *(Test Report: JID 24-00216 (UUT5))*



UUT21 was base mounted - rigid using eight (8) Grade 5 SAE 1/2-13 hex bolts, washers and lock washers, torqued to 60ft.-lbs. Mounting brackets were attached to the UUT using eight (8) M12 Class 8.8 bolts.
Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.