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Title: Program Manager

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

OFFICE USE ONLY APPLICATION FOR HCAI SPECIAL SEISMIC CERTIFICATION PREAPPROVAL (OSP) 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 **UPS and Batteries** Product Category: **UPS** Product Sub-Category: 50-400 kVA UPS General Description: Base Mounted Rigid -Mounting Description: Seismic enhancements made to the test units and/or modifications required to address Tested Seismic Enhancements: 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

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Email: dzentner@structint.com



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: STRUCTURAL INTEGRITY ASSOCIATES, INC.
Name: LACHEZAR HANDZHIYSKI California License Number: S6515
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Certification Method
☐ GR-63-Core
Other (Please Specify):
FOR CODE CO
Testing Laboratory
Company Name: AREVA TECHNICAL CENTER
Contact Person: Daniel Fort
Mailing Address: 1724 Mount Athos Road, Lynchburg VA 24504
Telephone: (434) 832-3816
Company Name: CLARK TESTING LABORATORY, INC.
Contact Person: Devon Lohr DATE: 06/24/2024
Mailing Address: 1801 Route 51, Jefferson Hills PA 15025
Telephone: (412) 387-1026 Email: dlohr@clarktesting.com
Company Name: National Technical Systems - Huntsville (Formerly Wyle)
Contact Person: Greg Mason
Mailing Address: 7800 Highway 20 West, Huntsville AL 35806
Telephone: (256) 837-4411 Email: greg.mason@nts.com

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

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

SDS (Design spectral response acceleration at short period, g) = 1.83 (z/h = 1); 1.83 (z/h = 0)

ap (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 06/25/2030

Date: 6/24/2024 OSP-0405

Name: Mohammad Karim Title: Supervisor, Health Facilities

Special Seismic Certification Valid Up to: SDS (g) = 1.83 z/h = 1

Condition of Approval (if applicable): DATE 06/24/2024





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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	Dir	nensions	(in)405	Weight	Vertical	1 1107	
Model Line	Model	Depth	Width	Height	(lbs.)	C.G. (in)		001
	9PA05D022 <mark>0 A01R</mark> 1	42.0	/ ₀ 22.0	ma74.0(a	rin 686	40.0		1
	9PXXXXXXX <mark>X XXX</mark> XX	711111111111111111111111111111111111111	4888:2888					Interp.
	9PXXXXXXXX XXXXX	D'AT	E. 06/	0.47000	, I			Interp.
	9PA05D6029 L00R1	42.0	30.0	74.0	2,178	35.0		4
	9PXXXXXXXX XXXXX		1		3433	20%		Interp.
93PM UPS	9PXXXXXXXX XXXXX	42.0	37.0	74.0	1,540	39.0		Interp.
	9PXXXXXXXX XXXXX	P1	The malla					Interp.
	9PV20D0029 F20R1	42.0	47.0	74.0	1,774	38.0		2
	9PV20C0029 F20R2	42.0	47.0_	74.0	1,795	38.0		12
	9PXXXXXXXX XXXXX							Interp.
	9P640D0029A00R2	42.0	63.9	74.0	2,628	35.0		15
	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.
93PM - L UPS	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.





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	Diı	mensions	(0)405	Weight (lbs.)	Vertical	UUT
Model Line	Model	Depth	Width	Height		C.G. (in)	
	9GFXXXXXXXX XXXXXX	BY: N	/lohami	nad Ka	rim		Interp.
	9GFXXXXXXX XXXXX	42.0	34.5	74.0	1,577	40.6	Interp.
	9GHXXXXXXXX AXXXX	42.0	34.5	74.0	933	36.4	Interp.
93PM - L UPS	9GHXXXXXXXX AXXXX	DAI	E. 00/	24/202	4		Interp.
93PM - L UPS	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	P1		BIND			Interp.
	9GK040A000A02R0	42.0	43.3	74.0	1,722	38.1	17
			DOIL	DIMA			



Manufacturer:	Eaton Corporation		TABLE 1.1
Model Line:	93PM & 93PM-L Unint	erruptible Power Supply	IADLE 1.1
		9M = 93PM 0.8 pf	
Columns 1 & 2	Model Line	9N = 93PM 0.9 pf	
		9P = 93PM 1.0 pf	_
		A = 93PM-50 Capacity Frame	
		B = 93PM-50 Redundant Frame, 1 UPM	
		C = 93PM-50 Redundant Frame, 2 UPM	
		D = 93PM-100 Capacity Frame, 1 UPM	
		E = 93PM-100 Capacity Frame, 2 UPM	
		F = 93PM-100 Redundant Frame, 1 UPM	
		G = 93PM-100 Redundant Frame, 2 UPM	
		H = 93PM-100 Redundant Frame, 3 UPM	
	4	J = 93PM-150 Capacity Frame, 1 UPM	
		K = 93PM-150 Capacity Frame, 2 UPM	
O REAL	2	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		
Column 3	Base Model	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 CT	ΓΟ
		9 = No UPS (SideCar Only)	
		0 = 93PM-400 Capacity Frame, 2 UPM	
		1 = 93PM-400 Capacity Frame, 3 UPM	
		2 = 93PM-400 Capacity Frame, 4 UPM	
		3 = 93PM-400 Capacity Frame, 5 UPM	
		4 = 93PM-400 Capacity Frame, 6 UPM	
		5 = 93PM-400 Capacity Frame, 7 UPM	
		6 = 93PM-400 Capacity Frame, 8 UPM	
		02 = 20 kVA	
		03 = 30 kVA	
		04 = 40 kVA	
Columns 4 & 5	LIDS WAA Dating	05 = 50 kVA	
COLUTTITIS 4 & 5	UPS kVA Rating	06 = 60 kVA	
		07 = 70 kVA	
		08 = 80 kVA	
		09 = 90 kVA	



Column 6 Column 6 Column 7 Internal Batteries Internal Batteries on Supplied) Internal Batteries not Supplied) Internal Batteries on Supplied) Internal Separate Battery (per UPPM)	Manufacturer:	Eaton Corporation		TARIE 1 1
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 40 = 400 kVA 5 = 380 kVA 6 = 360 kVA 7 = 170 kVA 8 = 180 kVA 9 = 190 kVA 19 = 190 kVA 19 = 190 kVA 20 = 200 kVA 25 = 250 kVA 30 = 300 kVA 30 = 300 kVA 30 = 300 kVA 30 = 300 kVA 40 = 400 kVA 5 = 380 kVA 6 = 360 kVA 7 = 480 kVA 8 = 4400 kVA 9 = 4400 kVA 10 = 4400 kVA	Model Line:	93PM & 93PM-L Uninte	erruptible Power Supply	TABLE 1.1
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 30 = 300 kVA 40 = 400 kVA 40 = 400 kVA 40 = 400 kVA 5 = 380V, 4 wire 6 = 360V, 4 wire 1 = 360V, 3 wire 1 = 360V, 3 wire 1 = 360V, 3 wire 2 = 380V, 4 wire 3 = 300 kVA 4 = 400 kVA 5 = 380V, 4 wire 5 = 380V, 4 wire 6 = 360V, 4 wire 7 = 415V, 4 wire 8 = 440V, 4 wire 9 = 440V, 4 wire 1 = 440V, 4 wire 1 = 440V, 4 wire 1 = 440V, 3 wire 2 = 200 kVA 3 = 300 kVA 4 = 400 kVA 5 = 180V, 4 wire 6 = 380V, 4 wire 7 = 180V, 3 wire 8 = 380V, 4 wire 9 = 200V, 4 wire 1 = 360V, 3 wire 1 = 360V, 3 wire 2 = 380V, 4 wire 3 = 380V, 4 wire 4 = 360V, 4 wire 5 = 380V, 4 wire 6 = 380V, 4 wire 6 = 380V, 4 wire 7 = 180V, 4 wire 8 = 380V, 4 wire 9 = 380V, 4 wire 9 = 380V, 4 wire 1 = 360V, 4 wire 2 = 380V, 4 wire 3 = 380V, 4 wire 4 = 380V, 4 wire 5 = 380V, 4 wire 6 = 380V, 4 wire 7 = 180V, 4 wire 8 = 380V, 4 wire 9 = 380V, 4 wire 1 = 360V, 4 wire 2 = 380V, 4 wire 3 = 380V, 4 wire 4 = 380V, 4 wire 5 = 380V, 4 wire 6 = 380V, 4 wire 6 = 380V, 4 wire 7 = 380V, 4 wire 6 = 380V, 4 wire 6 = 380V, 4 wire 7 = 380V, 4 wire 8 = 380V, 4 wire 9 = 380V, 4 wire 1 = 360V, 4 wire 2 = 380V			10 = 100 kVA	
Column 4 & 5 (continued) UPS kVA Rating UPS kVA U			11 = 110 kVA	
Column 6 Column 6 Column 7 Column 7 La = 140 kVA 15 = 150 kVA 15 = 150 kVA 16 = 160 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 A = 400 V, 4 wire C = 480 V, 4 wire B = 400 V, 3 wire E = 380 V, 4 wire G = 360 V, 4 wire H = 360 V, 3 wire L = 440 V, 4 wire M = 445 V, 3 wire L = 440 V, 4 wire M = 445 V, 3 wire L = 440 V, 4 wire M = 440 V, 3 wire L = 440 V, 4 wire M = 440 V, 3 wire L = 440 V, 4 wire M = 440 V, 3 wire L = 440 V, 4 wire M = 440 V, 3 wire L = 440 V, 4 wire M = 440 V, 3 wire L = 440 V, 4 wire M = 440 V, 3 wire L = 440 V, 4 wire M = 440 V, 3 wire L = 440 V, 4 wire M = 440 V, 3 wire L = 440 V, 4 wire (For use with IAC-D) P = 208V 3-wire / 208V 4-wire (For use with IAC-D) O = No Internal Batteries; No Battery Breaker 2 = With Internal Batteries, 3 strings, type 9Ah 4 = With Internal Batteries, 3 strings, type 9Ah 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 (3 strings), type 9Ah (Batteries not Supplied) D = With Internal Battery Trays (3 strings), type 9Ah (Batteries not Supplied) D = With Internal Battery Trays (3 strings), type 9Ah (Batteries not Supplied) E = With External Separate Battery (per UPM)			12 = 120 kVA	
Column 4 & 5 (continued) UPS kVA Rating 15 = 150 kVA 16 = 160 kVA 17 = 170 kVA 18 = 180 kVA 20 = 200 kVA 25 = 250 kVA 30 = 300 kVA 30 = 300 kVA 30 = 300 kVA 40 = 400 kVA A = 400 kVA A = 400 kVA wire D = 480 kV, 4 wire D = 480 kV, 4 wire E = 380 kV, 4 wire F = 380 kV, 4 wire C = 480 kV, 4 wire F = 380 kV, 4 wire E = 380 kV, 4 wire K = 415 kV, 3 wire L = 440 kV, 4 wire M = 440 kV, 4 wire M = 440 kV, 4 wire N = 480 kV, 3 wire D = 208 kV 3 wire N = 480 kV 4 wire N = 480 kV 3 wire N = 480 kV 3 wire N = 480 kV 3 wire N = 480 kV 4 wir			13 = 130 kVA	
Column 6 Column 6 Column 7 Column 7 Column 7 Column 7 Column 8 Column 8 Column 8 Column 9 Column			14 = 140 kVA	A
Column 6 Column 6 Column 7 Column 7 Column 7 Column 7 Column 8 Column 8 Column 9 Column			15 = 150 kVA	
17 = 170 k/A 18 = 180 k/A 19 = 190 k/A 20 = 200 k/A 20 = 200 k/A 25 = 250 k/A 30 = 300 k/A 35 = 350 k/A 40 = 400 k/A 40 =	Calumana 4 9 F		16 = 160 kVA	
18 = 180 k/A 19 = 190 kVA 20 = 200 kVA 25 = 250 kVA 30 = 300 kVA 35 = 350 kVA P-0405 40 = 400 kVA 40 = 6 = 380V, 3 wire 6 = 380V, 4 wire 6 = 380V, 4 wire 10 = 480V, 3 wire 10 = 480V, 3 wire 10 = 480V, 3 wire 10 = 480V, 4 wire 10 = 445V, 4 wire 10 = 445V, 4 wire 10 = 445V, 4 wire 10 = 440V, 3 wire 10 = 440V, 4		UPS kVA Rating	17 = 170 kVA	
Column 6 Column 7 Column 7 Column 7 Column 7 Column 8 Column 8 Column 8 Column 9 Column	(continued)		18 = 180 kVA	
Column 6 Column 6 Column 7 Column 7 Column 7 Column 8 Column 8 Column 9 Column			19 = 190 kVA	
Column 6 Column 7 Column 7 Column 7 Column 7 Column 8 Column 8 Column 9 Column		/	20 = 200 kVA	
Column 6 Column 6 Voltage Configuration Voltage F = 380V, 4 wire F =		14	25 = 250 kVA	
Column 6 Voltage Configuration Voltage G = 360V, 4 wire F = 380V, 3 wire J = 415V, 4 wire M = 440V, 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) O = No Internal Batteries, 3 of Strings, type 9Ah 4 = With Internal Batteries, 3 strings, type 9Ah A = Optional DC Breaker (SokVA / 100kVA / 150kVA), No Internal Batteries B = With Internal Battery Trays (3 strings), type 9Ah (Batteries not Supplied) C = With Internal Battery Trays (5 strings), type 9Ah (Batteries not Supplied) D = With Internal Battery Trays (5 strings), type 9Ah (Batteries not Supplied) D = With Internal Battery Trays (5 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)			30 = 300 kVA	
Column 6 Voltage Configuration Voltage Configuration Voltage Configuration Voltage Configuration Voltage Configuration F = 380V, 4 wire F = 380V, 3 wire F = 380V, 3 wire J = 415V, 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) O = 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 6 = With Internal Batteries, 5 strings, type 9Ah (Batteries not Supplied) C = With Internal Battery Trays (3 strings), type 9Ah (Batteries not Supplied) D = With Internal Battery Trays (5 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)		12/	35 = 350 kVA SP-0405	
Column 6 Voltage Configuration Voltage Configuration Voltage Configuration F = 380V, 4 wire F = 380V, 3 wire F = 380V, 3 wire F = 380V, 4 wire H = 360V, 3 wire U = 4415V, 4 wire H = 360V, 3 wire E = 440V, 4 wire M = 440V, 3 wire N = 480V, 3 wire N = 440V, 4 wire N = 440V, 3 wire N = 440V, 3 wire N = 440V, 4 wire N = 440V, 5 wire N = 440V, 5 wire N = 480V, 4 wire (For use with IAC-D) O = 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 6 = With Internal Batteries, 5 strings, type 9Ah (Batteries not Supplied) C = With Internal Battery Trays (3 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)			40 = 400 kVA	
Column 6 Voltage Configuration Voltage Configuration Voltage Configuration Voltage Configuration F = 380V, 4 wire F = 380V, 3 wire J = 415V, 4 wire H = 360V, 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) D = 208V 3-wire / 208V 4-wire (For use with IAC-D) O = 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 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 (5 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)			A = 400V, 4 wire	
Column 6 Voltage Configuration Voltage Configuration Voltage Configuration F = 380V, 4 wire F = 380V, 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) O = 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 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 (5 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)		CR	B = 400V, 3 wire	
Column 6 Voltage Configuration F = 380V, 4 wire F = 380V, 3 wire G = 360V, 4 wire H = 360V, 3 wire J = 415V, 4 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) O = No Internal Batteries; No Battery Breaker 2 = With Internal Batteries, 3 strings, type 9Ah 4 = With Internal Batteries, 5 strings, type 9Ah 6 = With Internal Batteries, 5 strings, type 9Ah 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 (5 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)			C = 480V, 4 wire	
Column 6 Voltage Configuration F = 380V, 3 wire G = 360V, 4 wire H = 360V, 3 wire S = 415V, 4 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) O = 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 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 (5 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)			D = 480V, 3 wire	
Column 6 Voltage Configuration 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) 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 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 (5 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)			E = 380V, 4 wire	
Column 6 Configuration 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) 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 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 (5 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 = 380V, 3 wire	
Configuration 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) O = 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 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 (5 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)	Column 6	Voltage	G = 360V, 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) 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 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 (5 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)	Column	Configuration	H = 360V, 3 wire	
L = 440V, 4 wire M = 440V, 3 wire N = 440V, 3 wire / 208V 4-wire (For use with IAC-D) P = 208V 3-wire / 208V 4-wire (For use with IAC-D) 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 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)			J = 415V, 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) 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 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)			K = 415V, 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) 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 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)			L = 440V, 4 wire	
P = 208V 3-wire / 208V 4-wire (For use with IAC-D) 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 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)			M = 440V, 3 wire	
Column 7 O = 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 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)			N = 480V 3-wire / 208V 4-wire (For use with IAC-D)	
2 = With Internal Batteries, 3 strings, type 9Ah 4 = With Internal Batteries, 4 strings, type 9Ah 6 = With Internal Batteries, 5 strings, type 9Ah 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)			P = 208V 3-wire / 208V 4-wire (For use with IAC-D)	
4 = With Internal Batteries, 4 strings, type 9Ah 6 = With Internal Batteries, 5 strings, type 9Ah 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)			0 = No Internal Batteries; No Battery Breaker	
Column 7 Internal Batteries 6 = With Internal Batteries, 5 strings, type 9Ah 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)			2 = With Internal Batteries, 3 strings, type 9Ah	
Column 7 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)			4 = With Internal Batteries, 4 strings, type 9Ah	
B = With 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)			6 = With Internal Batteries, 5 strings, type 9Ah	
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)	Column 7	Internal Ratteries	A = Optional DC Breaker (50kVA / 100kVA / 150kVA	A), No Internal Batteries
D = With Internal Battery Trays (5 strings), type 9Ah (Batteries not Supplied) E = With External Separate Battery (per UPM)	Column 1	internal batteries	B = With Internal Battery Trays (3 strings), type 9/	Ah (Batteries not Supplied)
E = With External Separate Battery (per UPM)			C = With Internal Battery Trays (4 strings), type 9/	Ah (Batteries not Supplied)
			D = With Internal Battery Trays (5 strings), type 9/	Ah (Batteries not Supplied)
E = Mith Internal Dattering / A strings \ t = 0 \lambda \ 1			E = With External Separate Battery (per UPM)	
r – with internal Batteries (4 strings), type 9An LL			F = With Internal Batteries (4 strings), type 9Ah LL	



Manufacturer:	Eaton Corporation		TABLE 1.1
Model Line:	93PM & 93PM-L Uninte	erruptible Power Supply	IADLE 1.1
		G = With Internal Batteries (5 strings), type 9Ah LL	
		H = With Internal Batteries (6 strings), type 9Ah LL	
Column 7	Internal Batteries	J = With Internal Batteries (4 strings), type 9Ah LL	
Column	internat batteries	K = With Internal Batteries And Thermal Sensor (3 st	trings), type 9Ah
		L = With Internal Batteries And Thermal Sensor (4 st	rings), type 9Ah
		M = With Internal Batteries And Thermal Sensor (4 s	trings), type 9Ah
		0 = Single Feed, no Internal MBS	
Column 8	Input Options	1 = Single Feed, with Internal MBS	
Columno	input Options	2 = Dual Feed, no Internal MBS	
		3 = Dual Feed, with Internal MBS	
		0 = No ESS, no VMMS	
Column 9	Efficiency Options	1 = No ESS, with VMMS	
Column	Efficiency Options	2 = With ESS, no VMMS	
	(24)	3 = With ESS, with VMMS 5	
		0 = None (Empty)	
	Communication	5 = PXGMS on ammad Karim	
Column 10	Communication Options	7 = PXGMS and EMP	
		8 = Industrial Relay	
		9 = PXGMS, Industrial Relay and EMP	
		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)	
	C'Alexand Terr	J = 4 Breaker, Right Mount (MBS)	
Column 11	Sidecar / Top Entry Options	K = 3 Breaker, Left Mount (Tie, External Capacity)	
	Lifti y Options	L = 4 Breaker, Left Mount (Tie w/ MBS, External Capa	acity)
		M = 3 Breaker, Right Mount (Tie, External Capacity)	
		N = 4 Breaker, Right Mount (Tie, w/ MBS, External Ca	apacity)
		P = 3 Breaker, Left Mount (Tie, External Redundant)	
		R = 4 Breaker, Left Mount (Tie w/ MBS, External Red	undant)
		S = 3 Breaker, Right Mount (Tie, External Redundant	t)
		T = 4 Breaker, Right Mount (Tie w/ MBS, External Re	dundant)
		U = 2 Breaker, Left Mount (Tie, External Capacity / R	edundant)
		V = 2 Breaker, Right Mount (Tie, External Capacity /	Redundant)

1800524-CR-001-R5



Manufacturer:	Eaton Corporation		TABLE 1.1
Model Line:	93PM & 93PM-L Uninte	rruptible Power Supply	IADEL 1.1
		0 = no specification	
	Sidecar Breaker kAIC	1 = STD kAIC, all Breakers Aux	
Column 12	Rating	2 = STD kAIC, MBS Aux Only	
		3 = High kAIC, all Breakers Aux	
		4 = High kAIC, MBS Aux Only	
		0 = With Dress Skins, Top Air Exhaust	
		1 = With Dress Skins, Rear Air Exhaust	
Column 13	Cabinet	2 = No Dress Skins, Top Air Exhaust	
Cotamin 15	Configuration ¹	3 = No Dress Skins, Rear Air Exhaust	
		4 = With Dress Skins, Top Air Exhaust, Sidecar Ship	Separate
		5 = With Dress Skins, Rear Air Exhaust, Sidecar Ship	Separate
		R = Raleigh, NC	
		F = FAA	
Column 14 Factory	8	M = Healthcare P-0405	
	Factory Location ²	L = UL 924	
		A = UL 924a hammad Karim	
		P = Power Conditioner (RPO)	
		C = Frequency Converter (RPO)	
		0 = Initial Release	
Column 15	Generation Code	1 = ESS	
Column 13	Generation code	2 = 50KW STS W/Contactors	
		3-9=Future Product Generation Codes	
		A PLITTING	
		BOILDING	

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



Manufacturer:	Eaton Corporation		TABLE 1.2
Model Line:	93PM & 93PM-L Uni	nterruptible Power Supply	IADLE 1.2
Columns 1 & 2	Model Line	9G = 93PM-L (208V)	
		C1= 93PM-L 60 Capacity Frame, 1UPM	
		C2= 93PM-L 60 Capacity Frame, 2UPM	
		C3= 93PM-L 60 Capacity Frame, 3UPM	
		F1= 93PM-L 120 Capacity Frame, 1UPM	
		F2= 93PM-L 120 Capacity Frame, 2UPM	
		F3= 93PM-L 120 Capacity Frame, 3UPM	
		F4= 93PM-L 120 Capacity Frame, 4UPM	
		F5= 93PM-L 120 Capacity Frame, 5UPM	
		F6= 93PM-L 120 Capacity Frame, 6UPM	
		H1= 93PM-L 160 Capacity Frame, 1UPM	
		H2= 93PM-L 160 Capacity Frame, 2UPM	
		H3= 93PM-L 160 Capacity Frame, 3UPM	
	8	H4= 93PM-L 160 Capacity Frame, 4UPM	
		H5= 93PM-L 160 Capacity Frame, 5UPM	
Column 3 & 4	Model-UPM Coun	t 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	2
		9K= No UPS(sidecar only) 120kVA frame, CTO5/6=2	24



Manufacturer:	Eaton Corporation		TABLE 1.2
Model Line:	93PM & 93PM-L Unin	terruptible Power Supply	IADLE 1.Z
		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	
	2	14 = 70 kVA	
	PAFE .	15 = 75 kVA SP-0405	
		16 = 80 kVA	111
		17 = 85 kVA ohammad Karim	
		18 = 90kVA	
		19 = 95 kVA	
		20 = 100 kVA	
Columns 5 & 6	UPS kVA Rating	21 = 105 kVA	5/
		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	



Manufacturer:	Eaton Corporation		TABLE 1.2
Model Line:	93PM & 93PM-L Unint	erruptible Power Supply	IADLL 1.2
Column 7	Voltage	A = Single Input 208/220V, 50/60 Hz; Output 208/220	
	Configuration	B = Dual Input 208/220V, 50/60 Hz; Output 208/220V	, 1.0 p.f., 50/60Hz
		0 = No Internal Batteries; No Battery Breaker	
		2 = With Internal Batteries, 2 strings	
		3 = With Internal Batteries, 3 strings	
		4 = With Internal Batteries, 4 strings	
Column 8	Internal Batteries	5 = 2 Strings & Thermal Sensors	
Columno	internat batteries	6 = 3 Strings & Thermal Sensors	
		7 = 4 Strings & Thermal Sensors	>
		8 = 2 Strings (Batteries Not Supplied)	
	/	9 = 3 Strings (Batteries Not Supplied)	
	4	A= 4 Strings (Batteries Not Supplied)	
	E.C	0= No ESS	
Column 9	Efficiency	1= OSP-0405	
	Options	2 = ESS	
		0 = None Mohammad Karim	
	CAL	1 = Environmental Monitoring Probe	
		2 = PXGMS and IRC	
		3 = EMP and IRC	
		4= 4	
Column 10	Connectivity Slots	5 = Power Xpert Gateway Mini-Slot	
		6=	
		7 = PXGMS and EMP	
		8 = Industrial Relay Card (IRC)	
		9 = PXGMS, IRC and EMP	
		A = None	
		B = Left Top Entry Sidecar, No Breakers	
		C = Right Top Entry Sidecar, No Breakers	
		D = Left MBS, 2 Breakers, MIS/MBP	
	Sidecar/Wireway	E = Left MBS, 3 Breakers, BIB/MIS/MBP	
Column 11	Options	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	
		0 = No Specification	
Column 12	Sidecar Breaker	1 = STD kAIC, Enhanced Monitoring (all breakers mo	nitored)
		2 = STD kAIC, MBP/BIB Terminal Block monitored	/



Manufacturer:	Eaton Corporation		TABLE 1.2
Model Line:	93PM & 93PM-L Unint	terruptible Power Supply	IADLE 1.Z
		0 = Top Exhaust	
		1 = Rear Exhaust	
		2 = Top Exhaust, OSHPD	
Column 13	Environmental	3 = Rear Exhaust, OSHPD	_
Column 13	Options	4 = Top Exhaust, Conformal Coating	
		5 = Rear Exhaust, Conformal Coating	
		6 = Top Exhaust, OSHPD, Conformal Coating	
		7 = Rear Exhaust, OSHPD, Conformal Coating	
		R = Standard (RPO)	
		F=FAA	
		M = Healthcare	
Column 14	Application	L = UL 924	
	Options	A = UL 924A	
	4	C = Frequency Converter	
		P = Power Converter	
		0 = Initial Release	
Column 15	Generation Code	1-9 = Future Product Generation Codes	
	121	DATE: 06/24/2024	
		O VERREERING + VIII NOON O	
		BUILDING	





Manufacturer: Eaton Corporation

Model Line: 93PM IAC

TABLE 2

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	Diı	mensions	(ib)405	Weight (lbs.)	Vertical	
Model Line	Model	Depth	Width	Height		C.G. (in)	UUT
	9PZMA A000 <mark>0000</mark> 10	42.0	20.0	ma74.0(a	rin404	36.0	5
	9PZMX XXXXXXXXX1X	1					Interp.
	9PZMD F200 <mark>0000</mark> 10	42.0	_ 20.0	74.0	726	36.0	6
	9PZMX XXXXXXXXXXXXXXX	DAT	E. 00/	24/202	4		Interp.
	9PZRX XXXXXXXXXXXX	42.0	20.0	74.0	1,034	07	Interp
	9PZRA AXXXXXXX <mark>1X</mark>	42.0	31.0	74.0	674	33.7	Interp.
93PM IAC	9PZRX XXXXXXXXXXX	PARIE		BIND			Interp
	9PZRD CXXXXXXXXXX	42.0	31.0	74.0	1,035	36.2	Interp
	9PZSX XXXXXXXXXXX	42.0	31.0	74.0	722		Interp
	9PZXX XXXXXXXXXXX						Interp
	9PZD1 H000000011	42.0	31.0	74.0	1,105	34.0	10
	9PZXX XXXXXXXXXXX						Interp
	9PZG4 SBC0001011	42.0	31.0	74.0	2,165	27.0	11





Manufacturer:	Eaton Corporat	ion IAC-T Model Line Numbering TABLE 3.1
Model Line:	93PM Integrated Acces	sory Cabinet (IAC) TABLE 2.1
Columns 1 - 3	Model Line	9PZ = 93PM Accessories
Column 4	Accessory	M = IAC-T
		A = 50 kW
		B = 100 kW
Column 5	Associated UPS Model	C = 150 kW
		D = 200 kW
		A = 1+1
		B = 2+0
Calvere	LIDC Configuration	C = 2+1 CODE
Column 6	UPS Configuration	D = 3+0
		E = 3+1
	4	F = 4+0
		0 = No MIS, no MBP
Column 7	MIS/MBP Breakers	1 = MIS, no MBP P-0405
		2 = MIS, MBP
Calinaria 0		0 = Top Exhaust
Column 8	Exhaust Configuration	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	0 = Standard
Column 14	Configuration	1 = OSHPD
Column 15	Generation Code	0 - 9 = Product Generation Codes



Manufacturer:	Eaton Corporat	oration IAC-D Model Line Numbering				
Model Line:	93PM Integrated Acces	ssory Cabinet (IAC)	TABLE 2.2			
Columns 1-3	Model line	9PZ = 93PM Accessories				
		D = 50 kVA IAC-D, 480 V / 208 V				
		E = 100 kVA IAC-D, 480 V / 208 V				
Column 4	A	F = 150 kVA IAC-D, 480 V / 208 V				
Column 4	Accessory	G = 200 kVA IAC-D, 480 V / 208 V				
		N = 50 kVA IAC-D, 208 V / 208 V				
		P = 100 kVA IAC-D, 208 V / 208 V				
		1 = K1 Non TP1, 480 V / 208 V Delta / WYE				
Caluma 5	Outrot Transferre	2 = K13 Non TP1, 480 V / 208 V Delta / WYE				
Column 5	Output Transformer	3 = K1 TP1, 480 V / 208 V Delta / WYE				
		4 = K13 TP1 480 V / 208 V Delta / WYE				
6.1 6	D I AIG D. I.	S = STD kAIC				
Column 6	Breaker kAIC Rating	H = High kAIC				
	12/	0 = No Distribution - 0405				
		B = 225 A Panel Board Top				
		1 = 1 Subfeed Breaker				
	Distribution Top	2 = 2 Subfeed Breakers				
		3 = 3 Subfeed Breakers				
Column 7		4 = 4 Subfeed Breakers				
		5 = 5 Subfeed Breakers				
		6 = 1 Subfeed Breaker + 4 Field Upgrades				
		7 = 2 Subfeed Breakers + 3 Field Upgrades				
		8 = 3 Subfeed Breakers + 2 Field Upgrades				
		9 = 4 Subfeed Breakers + 1 Field Upgrade				
		0 = No Distribution				
		B = 225 A Panel Board Bottom				
		1 = 1 Subfeed Breaker				
	Distribution Dellar	2 = 2 Subfeed Breakers				
Column 8	Distribution Bottom	3 = 3 Subfeed Breakers				
		C = 400 A Panel Board Bottom				
		4 = 1 Subfeed Breaker + 2 Field Upgrades				
		5 = 2 Subfeed Breakers + 1 Field Upgrade				
		0 = 80% Rated Breaker				
Calvers	Distribution Breaker					
Column 9	Type	2 = 100% Rated Breaker (Distribution Subfeed Only)				
		3 = 100% Rated Breaker w/ Aux (Distribution Subfeed	Only)			
Column 10	Branch Metering	0 = None				
Calmerida	Cabinat Cariffic and	0 = Top Exhaust				
Column 11	Cabinet Configuration	1 = Rear Exhaust				
<u> </u>	•	<u>'</u>				





Manufacturer:	Eaton Corporat	ion IAC-D	Model Line Numbering	TABLE 2.2			
Model Line:	93PM Integrated Acces	sory Cabinet (IAC)		IADLE Z.Z			
Column 12	Optional Breaker	0 = No Optional Breaker					
Column 12	Optional breaker	1 = 1 Optional 225 A Breake	r				
Column 13	Line and Match/	0 = Line and Match					
Cotamin 13	Remote Installation	1 = Remote					
Column 14	Structural) = Standard					
Cotamin 14	Configuration	1 = OSHPD					
Column 15	Generation Code	0 - 9 = Product Generation (Codes				
		OR CODE					
		THE THE PARTY OF T	50/				
		A MARIAN MARIAN AND AND AND AND AND AND AND AND AND A					
	18/	OSP-040					
		BY: Mohammad	Karim O				
		DATE: 06/24/2	024				
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		GOILDIN					
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				rustural Integrity Associates			



Manufacturer:	Eaton Corporat	ion IAC-B Model Line Numbering	TABLESS				
Model Line:	93PM Integrated Acces	sory Cabinet (IAC)	TABLE 2.3				
Columns 1-3	Model line	9PZ = 93PM Accessories					
Column 4	Accessory	R = IAC-B					
		A = 60 kW IAC-B 208/208V					
		B = 120 kW IAC-B 208/208V					
Column 5	Associated UPS Model	C = 160 kW IAC-B 208/208V					
		D = 200 kW IAC-B 208/208V					
		E = 400 KW IAC-BD 480/480V					
		A = 2-Breaker 65 KAIC (MBP/MIS)					
Calman C		B = 3-Breaker 65 KAIC (MBP/MIS/BIB)					
Column 6	Breaker Configuration	C = 4-Breaker 65 KAIC (MBP/MIS/BIB/RIB) Single Inpu	t				
	/	D = 4-Breaker 65 KAIC (MBP/MIS/BIB/RIB) Dual Input					
C.1 7	K. Astronomical Control	1 = Key Interlock					
Column 7	Key/Interlock	2 = Interlock Bracket					
Column 8	Open	0 = None OSP-0405					
Column 9	Open	0 = None					
C.I 10	5 h C C . O . ! .	0 = Top Exhaust Marim					
Column 10	Exhuast Configuration	1 = Rear Exhaust (208V only)					
		0 = N/A (400 kVA only)					
Column 11	Installation Configuration	1 = Right Side Install (208V only)					
	Configuration	2 =Left Side Install (208V only)					
Column 12	Open	0 = None					
Column 13	Line & Match/Remote	0 = Line and Match (Required for 160 & 200 kVA)					
Column 13	Installation	1 = Remote					
Caluman 14	Structural	0 = Standard					
Column 14	Configuration	1 = OSHPD					
Column 15	Generation Code	0 - 9 = Product Generation Codes					



Manufacturer:	Eaton Corporat	ion IAC-BD Model Line Numbering	TADLE 2 4			
Model Line:	93PM Integrated Acces		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				
Caluma C	Dunaling Configuration	A = 2-Breaker 65 KAIC (MBP/MIS)				
Column 6	Breaker Configuration	B = 3-Breaker 65 KAIC (MBP/MIS/BIB)				
Cal 7	Duralian lataria al-	1 = Key Interlock				
Column 7	Breaker Interlock 2 = Interlock Bracket					
		2 = 2 Subfeed Breakers				
Column 8	Distribution	3 = 3 Subfeed Breakers				
		4 = 4 Subfeed Breakers				
Caluma 0	Matarias	0 = No Metering				
Column 9	Metering	1 = Metering				
C.I 10		0 = Top Exhaust				
Column 10	Exhaust Configuration	1 = Rear Exhaust P - 0405				
Column 11	Open	0 = None				
Column 12	Open	0 = None Mahammad Karim				
C.I 12	Line & Match/Remote					
Column 13	Installation	1 = Remote Installation				
C.1 14	Structural 0 = Standard					
Column 14	Configuration	1 = OSHPD				
Column 15	Generation Code	0 - 9 = Product Generation Codes				
		A PLITTING				
		BOILDING				



Manufacturer:	Eaton Corporat	Corporation IAC-PD Model Line Numbering TABLE 2.5					
Model Line:	93PM Integrated Acces	sory Cabinet (IAC)	IADLE 2.5				
Columns 1-3	Model line	9PZ = 93PM Accessories					
Column 4	Accessory	X = IAC-PD					
		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					
	Associated UPS Model	G = 150 kVA 93PM 150, 480V					
Column 5	or Distribution	H = 200 kVA 93PM 200, 480V					
	Cabinet	J = 400 kVA 93PM 400, 480V					
	(4)	K = 208V 250A IAC-D Subfeed Breaker					
	(5)	L = 50 kVA IAC-D (208V) W/no Distribution Option					
	121	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					
		2 = 208Y/120V 4-Wire					
Column 6	Input Voltage	4 = 480Y/277V 4-Wire					
		5 = 480V 3-Wire					
		0 = No Distribution					
		B = 225A Panel Board (208/120V)					
		C = 400A Panel Board (208/120V)					
		D = 225A Panel Board (480/277V)					
Column 7	Distribution Top	1 = 1 Subfeed Breaker (250A)					
		2 = 2 Subfeed Breakers (250A)					
		3 = 3 Subfeed Breakers (250A)					
,		4 = 1 Subfeed Breaker (400A)					
		5 = 2 Subfeed Breakers (400A)					
		B = 225A Panel Board (208/120V)					
		C = 400A Panel Board (208/120V)					
Column 8	Distribution Bottom	D = 225A Panel Board (480/277V)					
		4 = 1 Subfeed Breaker (400A)					
		5 = 2 Subfeed Breakers (400A)					
Column 9	Open	0 = None					
Calmerato	Duna ala Marta da	0 = None					
Column 10	Branch Metering	1 = BCMS					
Calmerata	Calainat Careffee and	0 = Top Exhaust					
Column 11	Cabinet Configuration	1 = Rear exhaust					
<u> </u>							





Manufacturer:	Eaton Corporat		PD Model Line Numbering	TABLE 2.5
Model Line:	93PM Integrated Acces			IADLE 2.3
Column 12	Open	0 = None		
Column 13	Line & Match/ Remote	0 = Line and Match		
Column 13	Installation	1 = Remote Installation		
Column 14	Structural	0 = Standard		
Cotamin 14	Configuration	1 = OSHPD		
Column 15	Generation Code	0 - 9 = Product Generatio	n Codes	
		OR CODI		
		- FUITHWWW.	0/1	
			\	
	8	OSP-04	05	
		BY: Mohammad	Karim	
		DATE: 06/24/	2024	
		DATE. 00/24/	2024	
		PARTIE		
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		BOILDI	10	
	1		TDII Compliance by St	





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

	D:		OVO	. 1/2/2		
Model	Dimensions (in)		Weight	Vertical	UUT	
Model	Depth	Width	Height	(lbs.)	C.G. (in)	001
9PZXXXXXX <mark>XXXX</mark> XX	42.0	20.0	ma74.0(a	rim		Extrap
9PZBBAY08 <mark>0130</mark> 10	42.0	20.0	74.0	2,246	32.0	7
9PZXXXXXX XXXXXX	42.0	_ 20.0	74.0	1		Interp
9PZABAE28 0 <mark>10010</mark>	42.0	32.0	74.0	3,185	41.0	13
9PZXXXXXX XXXXXX	42.0	32.0	74.0	MARINA	9/	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
•	9PZBBAY08 013010 9PZXXXXXX XXXXXX 9PZABAE28 010010 9PZXXXXXX XXXXXX 9PZABAE50 110010 9PZXXXXXX XXXXXX 9PZABAE50 L10010 9PZXXXXXX XXXXXX	9PZXXXXXX XXXXXX 42.0 9PZBBAY08 013010 42.0 9PZXXXXXX XXXXXX 42.0 9PZABAE28 010010 42.0 9PZXXXXXX XXXXXX 42.0 9PZABAE50 110010 42.0 9PZXXXXXX XXXXXX 42.0 9PZABAE50 L10010 42.0 9PZXXXXXX XXXXXX 42.0	9PZXXXXXX XXXXXX 42.0 20.0 9PZBBAY08 013010 42.0 20.0 9PZXXXXXX XXXXXX 42.0 20.0 9PZABAE28 010010 42.0 32.0 9PZXXXXXX XXXXXX 42.0 32.0 9PZABAE50 110010 42.0 32.0 9PZXXXXXX XXXXXX 42.0 40.0 9PZABAE50 L10010 42.0 40.0 9PZXXXXXX XXXXXX 42.0 34.0	9PZXXXXXX XXXXXX 42.0 20.0 74.0 9PZBBAY08 013010 42.0 20.0 74.0 9PZXXXXXX XXXXXX 42.0 20.0 74.0 9PZABAE28 010010 42.0 32.0 74.0 9PZXXXXXX XXXXXX 42.0 32.0 74.0 9PZABAE50 110010 42.0 32.0 74.0 9PZXXXXXX XXXXXX 42.0 40.0 74.0 9PZABAE50 L10010 42.0 40.0 74.0 9PZXXXXXXX XXXXXX 42.0 34.0 74.0	9PZXXXXXX XXXXXX 42.0 20.0 74.0 9PZBBAY08 013010 42.0 20.0 74.0 2,246 9PZXXXXXX XXXXXX 42.0 20.0 74.0 9PZABAE28 010010 42.0 32.0 74.0 3,185 9PZXXXXXX XXXXXXX 42.0 32.0 74.0 9PZABAE50 110010 42.0 32.0 74.0 4,745 9PZXXXXXX XXXXXXX 42.0 40.0 74.0 9PZABAE50 L10010 42.0 40.0 74.0 4,841 9PZXXXXXXX XXXXXXX 42.0 34.0 74.0	9PZXXXXXX XXXXXX 42.0 20.0 74.0 9PZBBAY08 013010 42.0 20.0 74.0 2,246 32.0 9PZXXXXXX XXXXXX 42.0 20.0 74.0 9PZABAE28 010010 42.0 32.0 74.0 3,185 41.0 9PZXXXXXX XXXXXX 42.0 32.0 74.0 9PZABAE50 110010 42.0 32.0 74.0 4,745 41.0 9PZXXXXXXX XXXXXX 42.0 40.0 74.0 9PZXBAE50 L10010 42.0 40.0 74.0 4,841 41.0 9PZXXXXXXX XXXXXX 42.0 34.0 74.0

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Manufacturer:	Eaton Corporat	ion IBC Model Line Numbering	TABLE 2.1				
Model Line:	93PM IBC		TABLE 3.1				
Columns 1-3	Model Line	9PZ = 93PM Accessories					
		A = IBC-L					
		B = IBC-S					
Column 4		C = IBC-LH	4				
	Accessory	T = IBC-LW (300A breaker)					
		U = IBC-LHW (500A breaker)					
		V = IBC-LW (400A breaker)					
		₩=IBC-SW					
		A = 50 kW (93PM)					
		B = 100 kW (93PM)					
		C = 150 kW (93PM)					
	(4)	D = 200 kW (93PM)					
Column 5	Associated UPS Model	E = 400 kW (93PM)					
	121	F = 60 kW (93PM-L) - 0405					
		G = 120 kW (93PM-L)					
		H = 160 kW (93PM-L)					
		J = 200 kW (93PM-L)					
		A = 432 V					
Column 6	DC Voltage	B = 480 V					
		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					
6.1 7.0	. 1	H41 = ENERSYS XE95, 3/8 (M10) Lugs					
Columns 7-9	Battery Type ¹	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					
		003 = Empty Tray Assembly IBC-LH, IBC-LW (N54), 1/4 (M6) Lugs					
		004 = Emptry Tray Assembly IBC-LH, IBC-LW (H41), 3/8	· · · ·				
		005 = Empty Tray Assembly IBC-LW (E54/B37/N54), 1/4					
		006 = Empty Tray Assembly IBC-LW (H41), 3/8 (M10) Lu	· ·				
		007 = Empty tray assy IBC-LH (B37/E54) 1/4 (M6) Lugs	<u>-</u>				
Notes:		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					

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

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Manufacturer:	Eaton Corpora	tion IBC Model Line Numbering	TADLE 2.1				
Model Line:	93PM IBC		TABLE 3.1				
		0 = Line and Match, no Sidecar					
Caluman 10	Remote/ Top Entry	1 = Remote Installation, no Sidecar					
Column 10	Sidecar	L = Remote with Left Sidecar for Top Entry (IBC-L/LH only)					
		R = Remote with Right Sidecar for Top Entry (IBC-L/LH only)					
		1 = 1 Cabinet					
		2 = 2 Cabinets					
		3 = 3 Cabinets					
	Number of Battery	4 = 4 Cabinets					
Column 11	Cabinets	5 = 5 Cabinets					
		6 = 6 Cabinets					
	/.	7 = 7 Cabinets					
	4	8 = 8 Cabinets					
		0 = Single String					
Column 12	Number of Battery	2 = 2 Battery Strings (IBC-S only)					
	Strings	3 = 3 Battery Strings (IBC-S only)					
		0 = With Monitoring Tabs, Without Thermal Sensor					
		1 = Without Monitoring Tabs, Without Thermal Sensor					
Column 13	Battery Monitoring	2 = With Monitoring Tabs, With Thermal Sensor					
	\ <u>C</u>	3 = W/Out Monitoring Tabs, With Thermal Sensor					
		0 = Standard					
	Structural	1=OSHPD					
Column 14	Configuration ²	2=UL924					
		3 = UL924/OSHPD					
Column 15	Generation Code	0 - 9 = Product Generation Codes					
Notes.		1	-				

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.

Model

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Model Line

(Manufacturer)



Manufacturer: **Eaton Corporation** Table Description: Enclosures **TABLE 4** 93PM Uninterruptible Power Supply (UPS) Model Line:

Weight

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

Width Height (lbs.)

Dimension (in)

Denth

 $S_{DS} = 1.83 g \quad z/h = 0.0$ UUT Material **Notes**

(Manufacturer)		Depth	wiath	Height	(103.)		
		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	31.3	74.0	520	93PM-L IAC-B	Interp.
		42.0	31.3	B74.0	540 m	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
93PM	93PM Enclosures	42.0	34.0	74.0	828	93PM Frame As <mark>m, IBC-L</mark> Weld	Interp.
(Eaton)	331 M Eliciosules	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/ MBS 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/ MBS 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

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Manufacturer:Eaton CorporationTable Description:Electrical ComponentsModel Line:93PM Uninterruptible Power Supply (UPS)

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

T			$3_{DS} = 1.83 g z/n = 0.0$		
Component Type	Manufacturer	Model	Description	Notes	UUT
		122950146	PDU PRL1 225A; Cu		11
Panel Board	Eaton	122950148	PDU PRL2A 225A; Cu		Interp
		122950147	PDU PRL1 400A; Cu		11
		730-05211	208V-4 Wire 20kW UPM		16, 17
		733-D2072	208V-4 Wire 20kW UPM		Interp
		730-80505 RV V	480V-3 Wire 50kW UPM	New PCB layout, no structural change	Interp
Power Modules	Eaton	730-B1045	480V-3 Wire 50kW UPM		1, 2, 4
		733-82035	480V-3 Wire 50kW UPM		Interp
		7 <mark>44-A4</mark> 535	480V-4 Wire 50kW UPM		Interp
		730-D0057	480V-4 Wire 50kW UPM		12
		730-D0039	50kW STS; CS Frame; Al heat sink		1, 4
		730-B1035	100kW STS; CS Frame; Al heat sink		Interp
Static Switches	Eaton	730-D0021	150kW/200kW STS; CS Frame; Al heat sink		12
Static Switches	Eaton	730-05213	93PM-L 60 kW STS		16
		730-05212	93PM-L 120 kW STS		Interp
		730-05214	93PM-L 200 kW STS		17
		DILM17-10 (RDC60)	K5 Contactor (50KW); 1 lb		1, 4
Contactors	Faton	DILM115 (RDC60)	K5 Contactor (100KW); 5 lbs		Interp
Contactors	Eaton	DILM185A/22 (RDC60)	K5 Contactor (150KW); 14 lbs		Interp
		DILM250/22 (RDC48)	K5 Contactor, (200kW); 17 lbs		12

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Manufacturer: Eaton Corporation Table Description: Electrical Components

Model Line: 93PM Uninterruptible Power Supply (UPS)

TABLE 5

Building Code: CBC 2022 Seismic Certification Limits: $S_{DS} = 1.83 \text{ g} \quad z/h = 1.0$ $S_{DS} = 1.83 \text{ g} \quad z/h = 0.0$

unaing Code: CBC 202		Seismic Certificati	$S_{DS} = 1.83 g z/h = 0.0$	1 _P = 1.5	
Component Type	Manufacturer	Model	R CODE Description	Notes	υυτ
		WPV50012	50 kVA, K1,TP1,480/208 Delta/WYE		10
		WPN50131	50 kVA, K13,Non TP1 480/208 Delta/WYE		Interp
		WPN50132	50 kVA, K13,TP1 480/208 Delta/WYE		Inter
		WPV12011	100 kVA, K1, Non TP1,480/208 Delta/WYE		Inter
		WPV12012	100 kVA, K1,TP1,480/208 Delta/WYE		Inter
		WPN12132 RV V	100 kVA, K13, TP1 480/208 Delta/WYE		Inter
Transformers	Fatan	WPV49011	K1, Non TP1, 480/208 Delta/WYE		Inter
rransformers	Eaton	WPN49131	K13, Non TP1 480/208 Delta/WYE		Inter
		WPV49012	K1, TP1, 480/208 Delta/WYE		Inter
		WPN49132	K13, TP1 480/208 Delta/WYE		Inter
		WPV19011	K1, Non TP1, 480/208 Delta/WYE		Inter
		WPN19131	K13, Non TP1 480/208 Delta/WYE		Inter
		WPV19012	K1, TP1, 480/208 Delta/WYE		Inter
		WPN19132	K13, TP1 480/208 Delta/WYE		11

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Manufacturer: Eaton Corporation Table Description: Batteries

Model Line: 93PM Uninterruptible Power Supply (UPS)

TABLE 6

Building Code: CBC 2022 Seismic Certification Limits: $S_{DS} = 1.83 \text{ g} \quad z/h = 1.0$ $S_{DS} = 1.83 \text{ g} \quad z/h = 0.0$

			$S_{DS} = 1.83 g z/h = 0.0$		
Component Type	Manufacturer	Model	Description	Notes	וטט
		HR1227WFR	12V, 27 Watt (5Ah), VRLA; ABS housing; 4.3 lbs		16
		PWRH1227W2FR	12V, 27 Watt (5Ah), VRLA; ABS housing; 4.3 lbs		Inter
		PWHR1234W2FR	12V, 34 Watt (9Ah), VRLA; ABS housing; 6 lbs		4
		HRL1234W2FR	12V, 34 Watt (9Ah), VRLA; ABS housing; 6 lbs		Inter
		HRL12280WFR	12V, 34 Watt (9Ah), VRLA; ABS housing; 57 lbs		Inter
		PWHR12280W4FR/	12V, 34 Watt (9Ah), VRLA; ABS housing; 57 lbs		13
		HRL12330FR	12V, 280W; PP housing; 65 lbs		Inter
	CSB	HRL12390FR	12V, 390W; PP housing; 73 lbs		Inte
		PWHR12390W4FR	12V, 100 Ah; PP housing; 74 lbs		Inte
		XPL5700FR	12V, 110 Ah, VRLA; PP housing; 82 lbs.		Inte
Dottorios		PWXP12502W4FR	12V, 110 Ah, VRLA; PP housing; 82 lbs.		Inte
Batteries		HRL125 <mark>40WFR</mark>	12 V, 143 Ah; PP housing; 97 lbs		Inte
		PWHR12540WFR	12 V, 143 Ah; PP housing; 97 lbs		Inte
		HRL12500W	12V, 120 Ah; PP housing; 101 lbs		Inte
		PWHR12500W4FR	12 V, 120 Ah; PP housing; 101 lbs		8,9
		12HX300	12 V, 83 Ah; PP housing; 60 lbs		13
		12HX330	12 V, 82 Ah; PP housing; 71 lbs		Inte
		0790-6005-C0K00	12 V, 95 Ah; PP housing; 77 lbs		9
	ENERSYS	12HX400	12 V, 120 Ah; PP housing; 80 lbs		Inte
		12HX505	12 V, 506 Ah; PP housing; 103 lbs		Inte
		12HX540	12 V, 123 Ah; PP housing; 106 lbs		Inte
		12HX500	12 V, 506 Ah; PP housing; 110 lbs		13

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 Manufacturer:
 Eaton Corporation
 Table Description:
 Batteries

 Model Line:
 93PM Uninterruptible Power Supply (UPS)

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

			$S_{DS} = 1.83 g z/h = 0.0$		
Component Type	Manufacturer	Model	RCODE Description	Notes	υυτ
	G.S. YUASA	NPX-80RFR	12 V, 20 Ah, VRLA; PP housing; 15 lbs		7
	NORTHSTAR	NSB12540	12V, 125 Ah; PP housing; 98 lbs		9, 14
Dattories		UP <mark>S12-30</mark> 0MR	12 V, 78 Ah; PP housing; 58 lbs		13
Batteries	COD Dura catu	UPS12-350MR	12 V, 93.2 Ah; PP housing; 67 lbs		Interp
	C&D Dynasty	UPS12-400MR	12 V, 100 Ah; PP housing; 80 lbs		Interp
		UPS12-490MR V	12 V, 134 Ah; PP housing; 100 lbs		13
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			UILDING		

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 Manufacturer:
 Eaton Corporation
 Table Description:
 Breakers

 Model Line:
 93PM Uninterruptible Power Supply (UPS)

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

Component Type	Manufacturer	Model	Description	Notes	UUT
		HFD3080L	FD-Frame, 3-pole, 80 A, 5 lbs		4
		FD	FD-Frame, 3-pole, 80-225 A, 5 lbs		Interp.
		HFD3110L	FD-Frame, 3-pole, 110 A, 5 lbs		1, 4
		HFD4175ELA02S22	FD-Frame, 3-pole, 175 A, 5 lbs		4
		JG///////////////////////////////////	JG-Frame, 3-pole, 80-250 A, 6 lbs		Interp.
		HJGE3125FAGC V	JG-Frame, 3-pole, 125 A, 6 lbs		4
		HKDDC3300WA07S49	KD-Frame, 3-pole, 300 A, 12 lbs		13
Breakers		HKD3300W	KD-Frame, 3-pole, 300 A, 12 lbs		2, 12
	Eaton (CH)	*KD*	KD-Frame, 3-pole, 175-400 A, 12 lbs		Interp.
(Thermal Magnetic)		HKD3400W	KD-Frame, 3-pole, 400 A, 12 lbs		2, 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.



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)	Wyle Laboratories	2014	Yes	2.39	1.0 0.0	1.5
2	93PM 200kVA Capacity UPS (4 UPM)	71589 Rev.A (UUT2)	Wyle Laboratories	2014	Yes	2.39	1.0 0.0	1.5
3			NOT USED					
4	93PM 50kVA Capacity UPS (1 UPM)	71589 Rev.A (UUT4)	Wyle Laboratories	2014	Yes	2.39	1.0 0.0	1.5
5	93PM 50kVA External Redundant IAC-T	71589 Rev.A (UUT5)	Wyle Laboratories	2014	Yes	1.83	1.0 0.0	1.5
6	93PM 200kVA External Capacity IAC-T	71589 Rev.A (UUT6)	Wyle Laboratories	2014	Yes	1.83	1.0 0.0	1.5
7	93PM 100kVA IBC-S (line & match)	71589 Rev.A (UUT7)	Wyle Laboratories	2014	Yes	1.83	1.0 0.0	1.5
8	93PM 100kVA IBC-L (line & match)	71589 Rev.A (UUT8)	Wyle Laboratories	2014	Yes	1.83	1.0 0.0	1.5
9	93PM 100kVA IBC-L (remote w/ left sidecar)	71589 Rev.A (UUT9)	Wyle Laboratories	2014	Yes	1.83	1.0 0.0	1.5
10	93PM 50kVA IAC-D	71589 Rev.A (UUT10)	Wyle Laboratories	2014	Yes	1.83	1.0 0.0	1.5
11	93PM 200kVA IAC-D	71589 Rev.A (UUT11)	Wyle Laboratories	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



UUT 1

1800524-CR-001-R5

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)

UU	T PI	rope	rties
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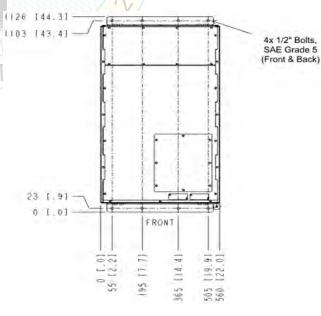
Weight		Dimension (in)	AniMadMroodviModioXX	Lowest Natural Frequency (Hz)				
(lbs.)	Depth	Width	OS Height 05	Front-Back	Side-Side	Vertical		
686	42.0	22.0	74.0	13.0	10.5	>33.3		

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 06	2.39	1.0	1.5	3.82	2.87	1.59	0.64
1	T WE DANTE: OU	2.39	0.0	101				

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.



UUT 2

1800524-CR-001-R5

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

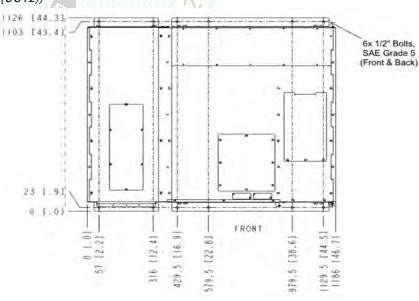
Options/Subcomponent Summary:

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 PI	roperties		P						
Weight		Dimension (in)	Dimension (in)			Lowest Natural Frequency (Hz)						
(lbs.)	Depth	Width	OSH	eight 05	Front	-Back	Side	-Side	Ver	tical		
1,774	42.0	46.7		74.0	14	1.0	12	2.2	32	2.0		
		UUT Highes	t Passed S	Seismic Run	Informa	ation						
Buildi	ing Code	Test Crite	eria	S _{DS} (g)	z/h	l _P	I _P A _{FLX-H} (g) A _{RIG-H} (g) A _{FLX-V} (g		A _{FLX-V} (g)	A _{RIG-V} (g)		
CBC	C 2022	ICC-ES AC	156 06/	2.39	1.0	1.5	3.82	2.87	1.59	0.64		

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.



UUT 4

1800524-CR-001-R5

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

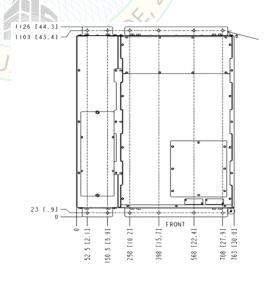
Options/Subcomponent Summary:

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-103000766)

			UUT Pro	operties									
Weight		Dimension (in)					Lowest Natural Frequency (Hz)						
(lbs.)	Depth	Width OS Height 05		Front-Back		Side-Side		Vertical					
2,178	42.0	30.0 74.0 13.0 7.8		> 33.3									
		UUT Highes	t Passed Se	eismic Run	Informa	tion							
Buildi	ng Code	Test Crite	eria	S _{DS} (g)	z/h	l _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)			
СВС	2022	ICC-ES AC	156 06/2	2.39	1.0	1.5	3.82	2.87	1.59	0.64			

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





6x 1/2" Bolts, SAE Grade 5 (Front & Back)

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.



UUT5

1800524-CR-001-R5

Manufacturer: Eaton Corporation

Model Line: 93PM IAC

Model Number: 9PZMAA00000010 Serial Number: N/A

Product Construction Summary:

Powder Coated Carbon Steel Framing

Options/Subcomponent Summary:

CBC 2022

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

ICC-ES AC156

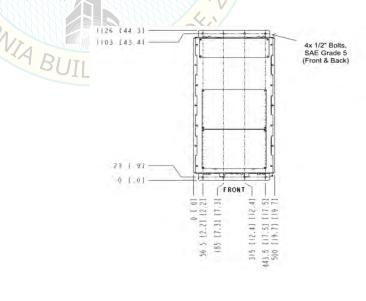
UUT Properties Weight Dimension (in) Lowest Natural Frequency (Hz) Vertical (lbs.) Width Height Side-Side Depth Front-Back 404 42.0 19.7 74.0 9.0 7.9 24.0 **UUT Highest Passed Seismic Run Information Building Code Test Criteria** z/h $A_{FLX-H}(g) | A_{RIG-H}(g) | A_{FLX-V}(g) | A_{RIG-V}(g)$ $S_{DS}(g)$ Ι_P 1.83 1.0

1.83

0.0

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





1.5

2.93

2.20

1.22

0.49

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.



UUT 6

1800524-CR-001-R5

Manufacturer: Eaton Corporation

Model Line: 93 PM IAC

Model Number: 9PZMDF200000010 Serial Number: N/A

Product Construction Summary:

Powder Coated Carbon Steel Framing

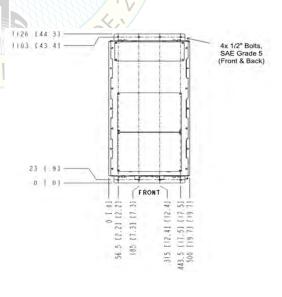
Options/Subcomponent Summary:

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

					XXXX					
			UUT	Properties		V				
Weight		Dimension (in)				Lowes	st Natural	Frequen	cy (Hz)	
(lbs.) Depth		Width S Height		leight 05	Front-Back		Side-Side		Vertical	
726	42.0	19.7	74.0		9.5		5.5		> 33.3	
		UUT Highes	st Passed	Seismic Rur	Inform.	ation				
Buildi	ng Code	Test Crit	Test Criteria S _{DS} (g		z/h	z/h I _P	A _{FLX-H} (g) A _{RIG-H} (g)		A _{FLX-V} (g) A _{RIG-V}	A _{RIG-V} (g
CBC 2022		CONTRACTOR OCCU		1,83	1.0		0.00	0.00	1 22	0.40
CBC	, 2022	ICC-ES AC156 06/2		1.83	0.0	1.5	2.93	2.20	1.22	0.49

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.



UUT 7

1800524-CR-001-R5

Manufacturer: Eaton Corporation

Model Line: 93 PM IBC

Model Number: 9PZBBAY08013010 Serial Number: N/A

Product Construction Summary:

Powder Coated Carbon Steel Framing

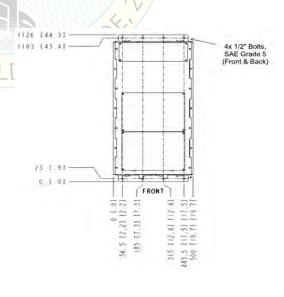
Options/Subcomponent Summary:

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

				NAVA VAVA JAAA	AXX					
			UUT	Properties		7				
Weight		Dimension (in)	Lowest Natural Frequency (Hz)							
(lbs.)	Depth	Width	OS Height 05		Front	-Back	Side-Side		Vertical	
2,246 42.0		19.7	19.7 74.0		10	0.0	5	.0	22	2.0
		UUT Highest	t Passed	Seismic Rui	Inform.	ation			,	
Buildi	ing Code	Test Crite	eria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CD	C 2022	ICC-ES AC	TEC OF	1.83	1.0	1.5	2.93	2.20	1.22	0.49
CBC	C 2022	ICC-ES AC	120 00	1.83	0.0	1.5	2.93	2.20	1.22	0.49

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.



UUT8

1800524-CR-001-R5

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:

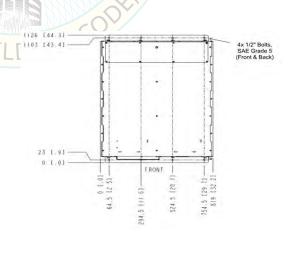
100kVA IBC-L, Line & Match. Frame (Eaton); Breakers: Eaton (HKDC3300WA07S49); Batteries: CSB (PWHR12500W4FR);

Seismic Kit: Eaton (P-103000768)

			UUTF	Properties		9						
Weight		Dimension (in)	Mark Mark Mark	Lowest Natural Frequency (Hz)								
(lbs.)	Depth	Width	OSR	leight 05	Front	-Back	Side	-Side	Ver	tical		
4,745	42.0	32.2		74.0	10	0.0	4	.7	21	L.0		
		UUT Highes	t Passed	Seismic Rur	Inform	ation						
Buildi	ng Code	Test Crit	eria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)		
CDC	2022	ICC-ES AC	TEC OG	1.83	1.0	1 DE	2.93	2.20	1.22	0.49		
CBC	. 2022	ICC-ES AC	750 00	1.83	0.0	1.5	2.93	2.20	1.22	0.49		

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.



UUT9

1800524-CR-001-R5

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:

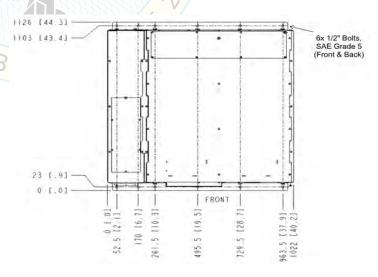
100kVA IBC-L; Remote with Left Sidecar; Frame (Eaton); Breakers: Eaton (HKDC3300WA07S49);

Batteries: CSB (PWHR12500W4FR), ENERSYS (0790-6005-C0K00), NORTHSTAR (NSB12540); Seismic Kit: Eaton (P-103000769)

		14	UUT	Properties		7					
Weight		Dimension (in)	**************************************	Lowest Natural Frequency (H							
(lbs.)	Depth	Width	OS Height 05		Front	t-Back	Side	-Side	Vertical		
4,841	42.0		40.2 74.0				5	.7	22	2.0	
		UUT Highest	Passed	Seismic Rui	Inform	ation					
Buildi	ng Code	Test Crite	ria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)	
СВС	2022	ICC-ES AC	156 06	1.83	1.0	1.5	2.93	2.20	1.22	0.49	

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).

TRU COMPLIANCE

UUT 10

1800524-CR-001-R5

Manufacturer: Eaton Corporation

Model Line: 93 PM IAC

Model Number: 9PZD1H000000011 Serial Number: N/A

Product Construction Summary:

Powder Coated Carbon Steel Framing

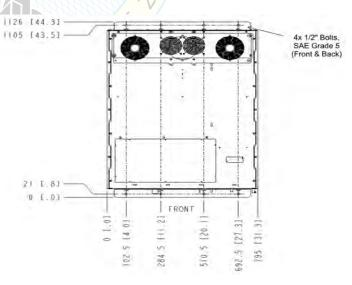
Options/Subcomponent Summary:

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

					XXX							
			UUT	Properties		7						
Weight		Dimension (in)				Lowest Natural Frequency (Hz)						
(lbs.)	Depth	Width	OSF	Height 05	Front	t-Back	Side	-Side	Vertical			
1,105	42.0		2.0 31.3 74.0 1				7	.9	22	2.0		
		UUT Highes	t Passed	Seismic Rui	n Inform	ation						
Buildi	ng Code	Test Crite	eria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)		
СВС	2022	ICC-ES AC	156 06	1,83	4 1.0	1.5	2.93	2.20	1.22	0.49		

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.



UUT 11

1800524-CR-001-R5

Manufacturer: Eaton Corporation

Model Line: 93 PM IAC

Model Number: 9PZG4SBC0001011 Serial Number: N/A

Product Construction Summary:

Powder Coated Carbon Steel Framing

Options/Subcomponent Summary:

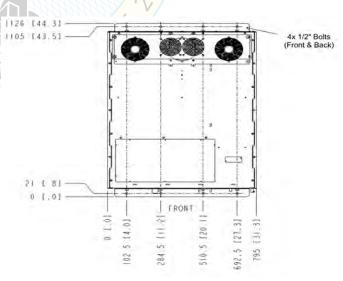
200kVA IAC-D; 480 Vin / 208 Vout; Frame (Eaton); Breakers: Eaton (FD3225, KD3400F);

Panel Board: Eaton (122950146, 122950147); Transformer: Eaton (WPN19132); Seismic Kit: Eaton (P-103000767)

				MAYAN MAYAN MAYAN							
			UUT Pr	operties		7					
Weight		Dimension (in	Lowest Natural Frequency (Hz)								
(lbs.)	Depth	Width	OSHe	ight 05	Front-Back		Back Side-S		Ver	rtical	
2,165	42.0	31.3		4.0	9	.5	8	.0	22	2.0	
		UUT Highes	t Passed S	eismic Rur	Informa	ation					
Buildi	ng Code	Test Crit	eria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)	
СВС	2022	ICC-ES AC	C156 06/	1.83	1.0	1.5	2.93	2.20	1.22	0.49	

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.



UUT 12

1800524-CR-001-R5

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)

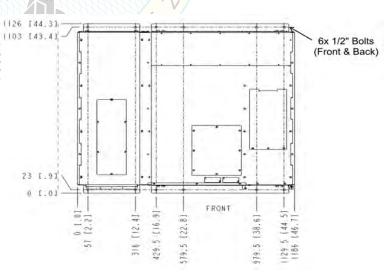
			UUT Properties			
Weight		Dimension (in)		Lowest	Natural Frequen	cy (Hz)
(lbs.)	Depth	Width	OS Height 05	Front-Back	Side-Side	Vertical
1,795	42.0	46.7	74.0	6.4	5.2	6.2

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS} (g)	z/h	l _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2022	ICC-ES AC156 06/	2.5 2.5 2.5	1.0	1.5	4.00	3.00	1.67	0.67

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.



UUT 13

1800524-CR-001-R5

Manufacturer: Eaton Corporation

Model Line: 93 PM IBC

Model Number: 9PZABAE28010010 Serial Number: N/A

Product Construction Summary:

Powder Coated Carbon Steel Framing

Options/Subcomponent Summary:

100kVA IBC-L; Line and Match; No Sidecar; Frame (Eaton);

Batteries: CSB (PWHR12280W4FR), ENERSYS (12HX300, 12HX500), C&D Dynasty (UPS12-300MR, UPS12-490MR);

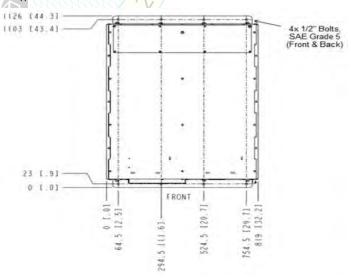
Breakers: Eaton (HKDDC3300WA07S49); Seismic Kit: Eaton (P-103000768)

			UUT Properties			
Weight		Dimension (in	Navi Maria Alexandra (Maria Alexandra (M	Lowest	: Natural Frequen	cy (Hz)
(lbs.)	Depth	Width	OS Height 05	Front-Back	Side-Side	Vertical
3,185	42.0	32.2	74.0	14.6	5.4	> 33.3
		UUT Highe.	st 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 06	2.29	$\frac{1.0}{4}$	1.5	3.66	2.75	1.53	0.61

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.



UUT 14

1800524-CR-001-R5

Manufacturer: Eaton Corporation

Model Line: 93 PM IBC

Model Number: 9PZUDBN54010010 Serial Number: N/A

Product Construction Summary:

Powder Coated Carbon Steel Framing

Options/Subcomponent Summary:

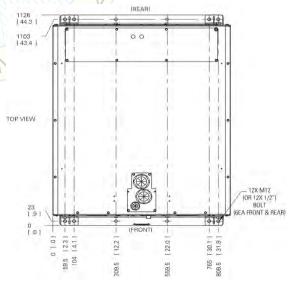
93PM 200 kVA IBC-LHW; Line and Match; Batteries: NORTHSTAR (NSB12540 x40); Seismic Kit: Eaton (P-103002072)

			UUT P	roperties						
Weight		Dimension (in)	In Worl Mason	(////////////////////////////////////	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Lowe	st Natural	Frequen	cy (Hz)	
(lbs.)	Depth	Width	OSF	eight 05	Front	-Back	Side	-Side	Ver	tical
5,082	42.0	34.2		4.0	10.	57	9.	86	>33	3.33
		UUT Highes	t Passed S	Seismic Run	Informa	tion				
Buildi	ng Code	Test Crit	eria	S _{DS} (g)	z/h	l _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
СВС	2022	ICC-ES AC	156 06	2.00	1.0	1.5	3.20	2.40	2.13	0.85

3.20

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.



UUT 15

1800524-CR-001-R5

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:

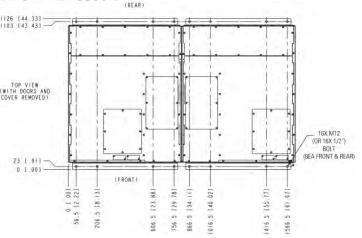
400 kVA UPS (8 UPM); Frame (Eaton); Seismic Kit: Eaton (P-103000842, QTY 2)

UUT Properties Weight Dimension (in) Lowest Natural Frequency (Hz) (lbs.) Width Height Side-Side Vertical Depth Front-Back 2,628 42.0 63.9 74.0 20.55 12.91 >33.33 **UUT Highest Passed Seismic Run Information Building Code Test Criteria** z/h $S_{DS}(g)$ Ι_P $A_{FLX-H}(g) | A_{RIG-H}(g) | A_{FLX-V}(g) | A_{RIG-V}(g)$

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 O6 / 3.20 0.0 1.5 3.20 2.40 2.13 0.85

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.



UUT 16

1800524-CR-001-R5

Manufacturer: Eaton Corporation

Model Line: 93PM Uninterruptible Power Supply (UPS)

Model Number: 9GC312A700A02R0 Serial Number: EN025UJJ02

Product Construction Summary:

Powder Coated Carbon Steel Framing.

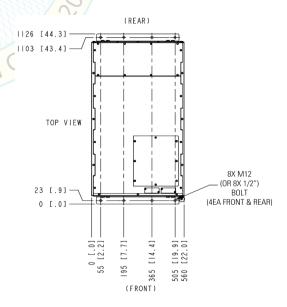
Options/Subcomponent Summary:

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		7						
Weight		Dimension (in)	ension (in)			Lowest Natural Frequency (Hz)						
(lbs.)	Depth	OSF	leight 05	Front-Back		Side-Side		Vertical				
1,604	42.0	22.0		74.0	10	0.5	6	.6	12	2.2		
		UUT Highes	t Passed	Seismic Rui	Informa	ation			,			
Buildi	ng Code	Test Crit	eria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)		
СВС	2022	ICC-ES AC	156 06	1.83	1.0	1.5	2.93	2.20	1.22	0.49		

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.



UUT 17

1800524-CR-001-R5

Manufacturer: Eaton Corporation

Model Line: 93PM Uninterruptible Power Supply (UPS)

Model Number: 9GK040A000A02R0 Serial Number: EN021UJJ05

Product Construction Summary:

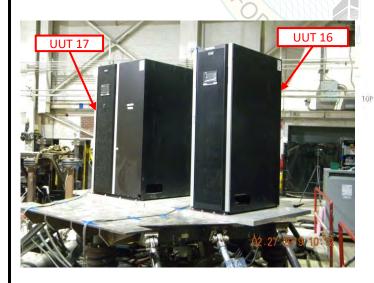
Powder Coated Carbon Steel Framing.

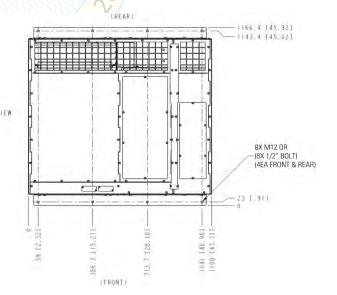
Options/Subcomponent Summary:

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

		14,	UUT	Properties		7				
Weight		Dimension (in)	***************************************	icy (Hz)						
(lbs.)	Depth	Width	OS Height 05		Front	t-Back	Side	-Side	Ver	tical
1,722	722 42.0 43.4		43.4 74.0				19	9.2	>3	3.3
		UUT Highest	t Passed	Seismic Rui	Inform	ation			,	
Buildi	ng Code	Test Crite	ria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
СВС	2022	ICC-ES AC	156 06	1,83	1.0	1.5	2.93	2.20	1.22	0.49

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.