



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

APPLICATION FOR HCAI SPECIAL SEISMIC
CERTIFICATION PREAPPROVAL (OSP)

OFFICE USE ONLY

APPLICATION #: OSP-0667

HCAI Special Seismic Certification Preapproval (OSP)

Type: ☐ New ☒ Renewal

Manufacturer Information

Manufacturer: Rehlko

Manufacturer's Technical Representative: JoAnn Mueller

Mailing Address: N7650 County Road LS, Mosel, WI 53083

Telephone: (800) 544-2444

Email: joann.mueller@rehlko.com

Product Information

Product Name: Emergency and Standby Power System

Product Model Number(s): 80kW-500kW REOZJx Diesel Powered Electrical Generators

Product Category: Emergency and Standby Power Systems

Product Sub-Category: Generators

General Description: Application Diesel Powered Electrical Generators

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: VMC Group

Contact Person: John Giuliano

Mailing Address: Main Street, Bloomingdale, NJ 07403

Telephone: (973) 838-1780

Email: john.giuliano@thevmcgroup.com

Title: President



**DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION
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California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)

Company Name: THE VMC GROUP

Name: Kenneth Tarlow California License Number: S2851

Mailing Address: 980 9th Street, 16th Floor, Sacramento, CA 95814

Telephone: (832) 627-2214 Email: ken.tarlow@thevmcgroup.com

Certification Method

☐ GR-63-Core ☒ ICC-ES AC156 ☐ IEEE 344 ☐ IEEE 693 ☐ NEBS 3
☐ Other (Please Specify): _____

Testing Laboratory

Company Name: UNIVERSITY OF CALIFORNIA, BERKELEY (PEER)

Contact Person: Amarnath Kasalanati

Mailing Address: 325 Davis Hall, Berkeley CA 94720-1729

Telephone: (510) 642-3437 Email: amarnath1@berkeley.edu

BY: Mohammad Karim

DATE: 08/24/2026



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Seismic Parameters

Certified Response Spectral Acceleration Factors:(F_p/W_p)

Horizontal (A Flx-H), g= 3.2 (A Rig-H), g= 2.16

Vertical (A Flx-V), g= 1.34 (A Rig-V), g= 0.54

SDS (Design spectral response acceleration at short period, g) = 2.0

H_f (Force amplification height factor) = 3.5

R_u (Structure ductility reduction factor) = 1.3

I_p (Importance factor) = 1.5

z/h (Height ratio factor) = 1

HCAI Approval (For Office Use Only) - Approval Expires on 08/24/2032

Date: 8/24/2026

Name: Mohammad Karim

Title: Supervisor, Health Facilities

Condition of Approval (if applicable): _____

OSP-0667

BY: Mohammad Karim

DATE: 08/24/2026

Table 1 - Certified Open & Enclosed Generators On Tanks (External Rigid Mounting)

Model	Max Rating [kW]	MFR	Configuration	Max Dimensions [in]			Max Wet Weight [lbs]	S _{DS}	z/h	UUT
				Length	Width	Height				
80REOZJF	80	Rehlko	Open	142.0	72.0	86.6	11,508	2.0	1.0	Extrapolated
			Enclosed	142.0	72.0	106.6	12,233			
100REOZJF	100		Open	142.0	72.0	86.6	11,508			UUT-1
			Enclosed	142.0	72.0	106.6	12,850			
125REOZJG	125		Open	175.0	72.0	102.5	15,119			Interpolated
			Enclosed	175.0	72.0	111.0	15,919			
150REOZJF	150		Open	175.0	72.0	102.5	15,119			
			Enclosed	175.0	72.0	111.0	15,919			
180REOZJG	180		Open	214.0	72.0	111.0	17,336			
			Enclosed	214.0	72.0	122.4	18,636			
200REOZJF	200		Open	214.0	72.0	111.0	18,312			
			Enclosed	214.0	72.0	122.4	19,162			
230REOZJE	230		Open	210.0	51.2	110.4	15,847			
			Enclosed	210.0	52.7	121.0	16,297			
250REOZJE	250		Open	210.0	51.2	104.0	15,847			
			Enclosed	210.0	52.7	121.0	16,397			
275REOZJE	275		Open	210.0	51.2	110.4	15,847			
			Enclosed	210.0	52.7	121.0	16,697			
300REOZJ	300		Open	220.0	51.2	111.0	16,632			UUT-2
			Enclosed	220.0	51.2	116.0	18,000			
350REOZJC	350		Open	247.3	102.0	118.0	35,074			Interpolated
			Enclosed	271.3	102.0	137.0	37,279			
350REOZJD	350		Open	247.3	102.0	118.0	35,074			UUT-3
			Enclosed	271.3	102.0	137.0	37,279			
			Enclosed	271.3	56.0	129.0	22,250			UUT-3
400REOZJC	400		Open	286.0	102.0	118.0	38,991			
			Enclosed	286.0	102.0	137.0	41,196			Interpolated
400REOZJD	400		Open	286.0	102.0	118.0	38,991			
			Enclosed	286.0	102.0	137.0	41,196			Interpolated
500REOZJC	500		Open	327.0	102.0	118.0	43,437			
			Enclosed	327.0	102.0	137.0	43,800			UUT-4

Table 2 - Certified Open & Enclosed Generators Off Tanks (External Rigid Mounting)

Model	Max Rating [kW]	MFR	Configuration	Max Dimensions [in]			Max Weight [lbs]	S _{DS}	z/h	UUT
				Length	Width	Height				
80REOZJF	80	Rehlko	Open	91.9	34.0	47.9	2,480	2.0	1.0	Interpolated
			Enclosed	111.1	45.5	60.0	3,269			
100REOZJF	100		Open	91.9	34.0	47.9	2,720			
			Enclosed	111.1	45.5	60.0	3,510			
125REOZJG	125		Open	106.3	44.1	60.1	2,702			
			Enclosed	139.0	45.4	69.0	3,632			
150REOZJF	150		Open	116.1	44.1	60.1	3,090			
			Enclosed	139.0	45.4	69.0	4,101			
180REOZJG	180		Open	118.1	51.2	65.7	3,190			
			Enclosed	161.2	51.2	84.0	4,810			
200REOZJF	200		Open	118.1	51.2	65.8	4,240			
			Enclosed	161.2	51.2	84.0	5,090			
230REOZJE	230		Open	118.1	51.2	74.4	5,400			
			Enclosed	162.3	52.7	84.9	5,850			
250REOZJE	250		Open	118.1	51.2	74.4	5,400			
			Enclosed	162.3	52.7	84.9	5,950			
275REOZJE	275		Open	118.1	51.2	74.4	5,400			
			Enclosed	162.3	52.7	84.9	6,250			
300REOZJ	300		Open	118.1	51.2	66.5	5,400			
			Enclosed	162.3	52.7	84.9	6,250			
350REOZJC	350		Open	142.9	56.1	75.6	8,600			
			Enclosed	218.3	58.9	93.0	11,500			
350REOZJD	350		Open	142.9	56.1	75.6	8,600			
			Enclosed	218.3	58.9	93.0	11,500			
400REOZJC	400		Open	142.9	56.1	75.6	8,600			
			Enclosed	218.3	58.9	93.0	11,500			
400REOZJD	400		Open	142.9	56.1	75.6	8,600			
			Enclosed	218.3	58.9	93.0	11,500			
500REOZJC	500		Open	142.9	56.1	75.6	8,600			
			Enclosed	218.3	58.9	93.0	11,500			

Table 3a - Certified Steel Enclosures

Type	kW Range	MFR	Type	Silencer	Enclosure Part Number	Weight [lb]	Int. Silencer Part No.	Silencer Weight [lb]	S _{DS}	z/h	UUT
REOZJx	80-100	Rehlko	Steel Weather	Yes	GM87407-KA2	700	GM59117	57	2.0	1.0	Extrapolated
	80-100		Steel Sound Level 2	Yes	GM87407-KA1	725	GM59117	57			UUT-1
	125		Steel Weather	Yes	GM87408-KA2	750	GM71385	66			Interpolated
	125		Steel Sound Level 2	Yes	GM87408-KA1	800	GM71385	66			
	150		Steel Weather	Yes	GM87409-KA2	750	GM71385	66			
	150		Steel Sound Level 2	Yes	GM87409-KA1	800	GM71385	66			
	180-200		Steel Weather	Yes	GM110486-KA2	1,090	GM70083	101			
	180-200		Steel Sound Level 2	Yes	GM110486-KA1	1,290	GM70083	101			
	230-300		Steel Weather	Yes	GM110487-KA2	800	GM75600	135			UUT-2
	230-300		Steel Sound Level 2	Yes	GM110487-KA1	850	GM75600	135			
	350 - 500		Steel Weather	Yes	GM109350-KA3	1,850	GM110935	140			Interpolated
	350 - 500		Steel Sound Level 1	Yes	GM109350-KA2	1,900	GM110935	140			UUT-4
	350 - 500		Steel Sound Level 2	Yes	GM109350-KA1	2,200	GM109791, GM109792	165 (each)			

Note: Enclosures Are Certified For Use With or Without Internal Silencers. Bold underlined number indicates UUT kW rating.

Table 3b - Certified Aluminum Enclosures

Type	kW Range	MFR	Type	Silencer	Enclosure Part Number	Weight [lb]	Int. Silencer Part No.	Silencer Weight [lb]	S _{DS}	z/h	UUT
REOZJx	80-100	Rehlko	Aluminum Sound Level 2	Yes	GM87407-KA3	450	GM59117	57	2.0	1.0	Interpolated
	125		Aluminum Sound Level 2	Yes	GM87408-KA3	500	GM71385	66			
	150		Aluminum Sound Level 2	Yes	GM87409-KA3	500	GM71385	66			
	180-200		Aluminum Sound Level 2	Yes	GM110486-KA3	660	GM70083	101			
	230-300		Aluminum Sound Level 2	Yes	GM110487-KA3	525	GM75600	135			
	350 - 500		Aluminum Sound Level 1	Yes	GM110077-KA2	1,000	GM110935	140			
	350 - 500		Aluminum Sounds Level 2	Yes	GM110077-KA1	1,300	GM109791, GM109792	165 (each)			UUT-3

Note: Enclosures Are Certified For Use With or Without Internal Silencers. All enclosures in the 350 – 500 kW range are the same. Bold underlined number indicates UUT kW rating.

Table 4 - Certified Tanks

Type	kW Range	MFR	Dry Weights of Tanks [lb]	Wet Weights of Tanks [lb]	Gallons	Part Number	S _{DS}	z/h	UUT	
REOZJx	80- <u>100</u>	Rehiko	1,312	2,762	215	GM69240-1	2.0	1.0	Extrapolated	
			1,840	4,639	415	GM69240-2			UUT-1	
			3,536	9,040	816	GM69240-3				
	125-150		1,612	3,743	316	GM70816-1			Interpolated	
			2,211	6,224	595	GM77834				
			4,573	12,417	1,163	GM70816-3				
	180-200		2,721	5,527	416	GM71640-1				
			3,440	8,600	765	GM71640-2				
			3,809	14,041	1,517	GM71640-3				
	230-275		2,738	6,481	555	GM74711-1			UUT-2	
			4,081	10,448	944	GM74929-1				
			2,738	6,481	555	GM74711-1				
	300		3,989	11,233	1,074	GM74711-2			Interpolated	
	350		2,864	5,589	404	GM85993-1			UUT-3	
			3,411	8,632	774	GM85993-3			Interpolated	
			4,071	11,902	1,161	GM85993-5				
			6,416	15,434	1,337	GM109735-7				
			8,222	21,651	1,991	GM109735-10				
			8,958	26,765	2,640	GM109735-12				
	400		2,864	5,589	404	GM85993-1				Interpolated
			3,411	8,632	774	GM85993-3				
			4,071	11,902	1,161	GM85993-5				
			6,702	17,130	1,546	GM109735-8				
			8,585	24,173	2,311	GM109735-11				
			9,758	30,431	3,065	GM109735-13				
	500		2,939	6,096	468	GM85993-2			UUT-4	
			3,594	9,624	894	GM85993-4				
			4,616	13,607	1,333	GM85993-6				
			5,855	17,746	1,763	GM85993-8				
			7,020	18,925	1,765	GM109735-9				
			8,958	26,765	2,640	GM109735-12				
			10,720	34,462	3,520	GM109735-14				

Note: Bold underlined number indicates UUT kW rating.

Table 5 - Certified Engines

Type	kW Range	Manufacturer	Model Number	Weight [lb]	S _{DS}	z/h	UUT
REOZJx	80 - 125 / 100	John Deere	4045HF285	1,082	2.0	1.0	UUT-1
	150		6068HF285	1,340			Interpolated
	180		6068HFG82	1,340			
	200		6068HFG85	1,495			
	230 - 275		6090HF484	1,986			UUT-2
	300		6090HFG86	1,854			UUT-3
	350 - 400		6135HFG84 / 6135HF485	2,941/3,291			UUT-4
	500		6135HFG75	2,941			

Note: Bold underlined numbers indicate UUT kW rating, engine model number and weight.

Table 6 - Certified Block Heaters

Type	kW Range	Manufacturer	Model Number	Weight [lb]	S _{DS}	z/h	UUT
REOZJx	80	Kim Hotstart	TPS151GT8-001	1.7	2.0	1.0	Extrapolated
	100		TPS152GT8-002				
			TPS151GT8-001				Interpolated
	TPS152GT8-002						
	125		TPS151GT8-001				
	TPS151GT12-001						
	150		TPS181GT8-000 / TPS202GT8000				
	180		TPS181GT8-000 / TPS202GT8000				
	200		TPS181GT8-000 / TPS202GT8000				
	230		CB125108-005 / CB125808-005 / CB125208-005 / CB125408-005				
	250		CB125808-005				
	275		CB125208-005				
	300		CB125408-005	UUT-2			
	350		CB125108-005	UUT-3			
	400		CB125108-005	Interpolated			
	500		CB125108-005	UUT-4			

Table 7 - Certified Air Filter Assemblies

Type	kW	Manufacturer	Model Number	Weight [lb]	S _{DS}	z/h	UUT
REOZJx	80	Cummins Filtration	FHG14002-301-140-7	12	2.0	1.0	Extrapolated
	80	Donaldson Co, Inc	B082507-016-643				
	100		B082507-016-643				
	100	Cummins Filtration	FHG14002-301-140-7				UUT-1
	125		FHG14002-301-140-7				Interpolated
	150		FHG14002-301-140-7				
	150	Donaldson Co, Inc	B082507-016-643				
	180	Cummins Filtration	FHG14002-301-140-7				
	180	Donaldson Co, Inc	D120340-016-140				
	200	Donaldson Co, Inc	P524837-016-1140	17.4			
	200		D120038-016-140				
	230		D120038-016-140				
	250		P524837-016-1140				
	250		D120038-016-140				
	275		D120340-016-140				
	275		D120038-016-140				
	300	Donaldson Co, Inc	D120340-016-140	UUT-2			
	350		G180031-387-140	UUT-3			
	400		G180031-387-140				
	400		FRG180031-387-140				
	500		FRG180031-387-140	UUT-4			

Note: Each model from 80 to 180 kW range uses identical Cummins Filtration air filter, mounted with the same bracing and rigidity.

Table 8 - Certified Alternators

Type	kW Range	Manufacturer	Model Number	Weight [lb]	S _{DS}	z/h	UUT
REOZJx	80	Rehlko	4PX, 4RX, 4TX	812	2.0	1.0	Extrapolated
	100 - 125		4RX , 4TX, 4SX	1,165			UUT-1
	150		4SX				Interpolated
	180		4UA, 4SX				
	200		4UA	2,360			
	230						
	250						
	275						
	300	Marathon	4M , 5M	2,960	UUT-2		
	350				UUT-3		
	400				Interpolated		
	500		5M		UUT-4		

Note: Bold underlined numbers indicate UUT kW rating and alternator model numbers.

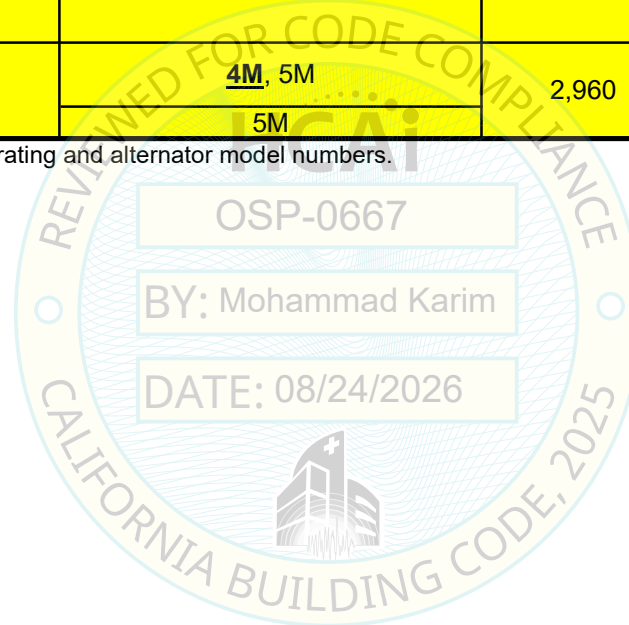


Table 9 - Certified Radiators

Type	kW Range	Manufacturer	Model Number	Weight [lb]	S _{DS}	z/h	UUT
REOZJx	80 - 100	JB Radiator	RS-6479	74	2.0	1.0	UUT-1
	125		RS-6889	86			Interpolated
	150		RS-5847	79			Interpolated
	180		RS-7306	137			Interpolated
	200		RS-5849	119			Interpolated
	230-275		RS-6292	200			Interpolated
	230 - 300		RS-6977	215			UUT-2
	350 - 500		RS-8510	401			UUT-3, UUT-4

Note: Bold underlined numbers indicate UUT kW ratings.

Table 10 - Certified Skids

Type	kW Range	Manufacturer	Material / Thickness	Weight [lb]	S _{DS}	z/h	UUT
REOZJx	80 - 300	Rehiko	Carbon Steel / 7 Ga.	286	2.0	1.0	UUT-1, UUT-2
	350 - 500		Carbon Steel / 0.25"	736			UUT-3, UUT-4

Table 11 - Certified Controllers

Type	kW Range	Manufacturer	Model Number	Weight [lb]	S _{DS}	z/h	UUT
REOZJx	80 - 500	Rehiko	DEC550	2.2	2.0	1.0	Extrapolated
			DEC3000	3.3			
			DEC6000	4.1			
			APM402	3.3			UUT-2, UUT-3
			APM603	3.2			UUT-1, UUT-4

Table 12 - Certified Miscellaneous Components

Type	kW Range	Manufacturer	Model Number	Weight [lb]	S _{DS}	z/h	UUT
REOZJx	350-500	TPI Corporations	GM107653	19	2.0	1.0	UUT-4
			Space Heater				
		Vyron	GM110157	67			UUT-3, UUT-4
			Motorized Intake				
			GM110158	43			UUT-3, UUT-4
			Gravity Discharge Dampers				
		CoolSys	GM110142	28			UUT-4
			Venting Fan				



UNIT UNDER TEST (UUT) Summary Sheet

UUT-1

Test Report: DCL 31214-2001 3/10-3/17/2020 & 6/22-6/26/2020; UUT-1

Model Line	Model Number	Manufacturer
Emergency Power Generators	100REOZJF	Rehiko

Product Construction Summary

100 kW Diesel Genset, Steel Sound Level 2 Enclosure, 816 gallons Fuel Tank

Options / Subcomponent Summary

Steel Enclosure GM87407-KA1 by Rehiko, Tank GM69240-3 by Rehiko, Engine 4045HF285 by John Deere, Block Heater TPS152GT8-002 by Kim Hotstart, Air Filter Assembly FHG14002-301-140-7 by Cummins Filtration, Alternator 4RX by Rehiko, Radiator RS-6479 by JB Radiator, Skid REOZJx skid Carbon Steel / 7 Ga. by Rehiko, Controller APM603 by Rehiko

UUT Properties

Weight [lbs]	Dimensions [in]			Lowest Nat. Freq. [Hz]		
	Length	Width	Height	F-B	S-S	V
12,850	142.0	72.0	106.5	5.5	3.5	10.0

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS}	z/h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2025	ICC-ES AC156-24	2.00	1.0	1.5	3.20	2.40	1.34	0.54
		-	-	-	-	-	-	-

Test Mounting Details

UUT-1 rigidly base mounted to fixture using (14) Grade 8, 3/4" Dia. bolts, 2" x 2" x 1/4" carbon steel plate washer, circular washer and nut. Fixture rigidly base mounted to shake table. UUT-1 was mounted to tank using (4) M20 Class 8.8 bolt, 1/4" steel backing plate, (2) washers and nut. Off tank Genset to be installed using minimum (4) M20 Class 8.8 bolt, 1/4" steel backing plate, (2) washers and nut. Internal steel/neoprene isolators underneath engine (Qty. 2) and alternator (Qty. 2) Manufacturer: Rehiko Engine Isolator Part No. 324074 Alternator Isolator Part No. 336024



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



UNIT UNDER TEST (UUT) Summary Sheet

UUT-2

Test Report: DCL 31214-2001 3/10-3/17/2020 & 6/22-6/26/2020; UUT-2

Model Line	Model Number	Manufacturer
Emergency Power Generators	300REOZJ	Rehiko

Product Construction Summary

300 kW Diesel Genset, Steel Sound Level 2 Enclosure, 1074 gallons fuel tank

Options / Subcomponent Summary

Steel Enclosure GM110487-KA1 by Rehiko, Tank GM74711-2 by Rehiko, Engine 6090HFG86 by John Deere, Block Heater CB125408-005 by Kim Hotstart, Air Filter Assembly D120340-016-140 by Cummins Filtration, Alternator 4UA by Rehiko, Radiator RS-6977 by JB Radiator, Skid REOZJx skid Carbon Steel / 7 Ga. by Rehiko, Controller APM402 by Rehiko

UUT Properties

Weight [lbs]	Dimensions [in]			Lowest Nat. Freq. [Hz]		
	Length	Width	Height	F-B	S-S	V
18,000	220.0	51.0	116.0	6.5	4.0	11.0

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS}	z/h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2025	ICC-ES AC156-24	2.00	1.0	1.5	3.20	2.40	1.34	0.54
		-	-	-	-	-	-	-

Test Mounting Details

UUT-2 rigidly base mounted to fixture using (14) Grade 8, 3/4" Dia. bolts, plate washer, circular washer and nut. Fixture rigidly base mounted to shake table. UUT-2 was mounted to tank using (10) M24 Class 8.8 bolt, 1/4" steel backing plate, (2) washers and nut. Off tank Genset to be installed using minimum (10) M20 Class 8.8 bolt, 1/4" steel backing plate, (2) washers and nut. Internal steel/neoprene isolators underneath engine (Qty. 2) and alternator (Qty. 2) Manufacturer: Rehiko Engine Isolator Part No. 324391 Alternator Isolator Part No. 354622



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



UNIT UNDER TEST (UUT) Summary Sheet

UUT-3

Test Report: DCL 31214-2001 3/10-3/17/2020 & 6/22-6/26/2020; UUT-3

Model Line	Model Number	Manufacturer
Emergency Power Generators	350REOZJD	Rehiko

Product Construction Summary

350 kW Diesel Genset, Sound Level II Aluminum Enclosure, 1161 gallons fuel tank

Options / Subcomponent Summary

Aluminum Enclosure GM110077-KA1 by Rehiko, Tank GM85993-5 by Rehiko, Engine 6135HFG84 by John Deere, Block heater CB125108-005 by Kim Hotstart, Certified Air Filter Assembly G180031-387-140 by Cummins Filtration, Alternator 4M by Rehiko, Radiator RS-8510 by JB Radiator, Skid REOZJx skid Carbon Steel / 0.25" by Rehiko, Controller APM402 by Rehiko, Motorized Intake GM110157 by Vyron, Gravity Discharge Dampers GM110158 by Vyron

UUT Properties

Weight [lbs]	Dimensions [in]			Lowest Nat. Freq. [Hz]		
	Length	Width	Height	F-B	S-S	V
22,250	271.0	56.0	128.5	9.0	6.0	17.5

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS}	z/h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2025	ICC-ES AC156-24	2.00	1.0	1.5	3.20	2.40	1.34	0.54
		-	-	-	-	-	-	-

Test Mounting Details

UUT-3 rigidly base mounted to fixture using (18) Grade 8, 3/4" Dia. bolts, 2" x 2" x 1/4" carbon steel plate washer, circular washer and nut. Fixture rigidly base mounted to shake table. UUT-3 was mounted to tank using (14) M24 Class 8.8 bolt, 1/4" steel backing plate, (2) washers and nut. Off tank Genset to be installed using minimum (14) M20 Class 8.8 bolt, 1/4" steel backing plate, (2) washers and nut. Internal steel/neoprene isolators underneath engine (Qty. 2) and alternator (Qty. 2) Manufacturer: Rehiko Engine Isolator Part No. GM86134 Alternator Isolator Part No. GM84170. Bracing Uplift Kit installed. Manufacturer: Rehiko Bracing Uplift Kit Part No.: GM111156



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



UNIT UNDER TEST (UUT) Summary Sheet

UUT-4

Test Report: DCL 31214-2001 3/10-3/17/2020 & 6/22-6/26/2020; UUT-4

Model Line	Model Number	Manufacturer
Emergency Power Generators	500REOZJC	Rehiko

Product Construction Summary

500 kW Diesel Genset, Sound Level II Steel Enclosure, 3520 gallons fuel tank

Options / Subcomponent Summary

Steel Enclosure GM109350-KA1 by Rehiko, Tank GM109735-14 by Rehiko, Engine 6135HFG75 by John Deere, Block Heater CB125108-005 by Kim Hotstart, Air Filter Assembly FRG180031-387-140 by Cummins Filtration, Alternator 5M by Rehiko, Radiator RS-8510 by JB Radiator, Skid REOZJx skid Carbon Steel / 0.25" by Rehiko, Controller APM603 by Rehiko, Space Heater GM107653 by TPI Corporations, Motorized Intake GM110157 by Vyron, Gravity Discharge Dampers GM110158 by Vyron, Venting Fan GM110142 by CoolSys

UUT Properties

Weight [lbs]	Dimensions [in]			Lowest Nat. Freq. [Hz]		
	Length	Width	Height	F-B	S-S	V
43,800	326.8	102.0	135.3	8.5	4.5	11.5

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS}	z/h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2025	ICC-ES AC156-24	2.00	1.0	1.5	3.20	2.40	1.34	0.54
		-	-	-	-	-	-	-

Test Mounting Details

UUT-4 rigidly base mounted to fixture using (15) Grade 8, 3/4" Dia. bolts, 2" x 2" x 1/4" carbon steel plate washer, circular washer and nut. Fixture rigidly base mounted to shake table. UUT-4 was mounted to tank using (12) M20 Class 8.8 bolt, 1/4" steel backing plate, (2) washers and nut. Off tank Genset to be installed using minimum (12) M20 Class 8.8 bolt, 1/4" steel backing plate, (2) washers and nut. Internal steel/neoprene isolators underneath engine (Qty. 2) and alternator (Qty. 2) Manufacturer: Rehiko Engine Isolator Part No. GM86134 Alternator Isolator Part No. GM84170. Bracing Uplift Kit installed. Manufacturer: Rehiko Bracing Uplift Kit Part No.: GM111156



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.