

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

	R HCAI SPECIAL SEISMIC	OFFICE USE ONLY
	REAPPROVAL (OSP)	APPLICATION #: OSP-0594
HCAI Special Seismic C	Certification Preapproval (OSP)	
Type: New X R	Renewal	
Manufacturer Information	on	
Manufacturer: Kohler Po	ower Systems	
Manufacturer's Technical Re	epresentative: Brady Eifrid	
Mailing Address: N7650 CT	ГН LS, Sheboygan, WI 53083	
Telephone: (920) 457-4441	Email: Brady.eifrid@kohle	r.com
Product Information		
Product Name: Kohler Dies	el	
	KD610, KD700, KD750, KD800, KD900, KD1000, I KD2000, KD2250, KD2500, KD2800, KD3000, KD	
Product Category:	Emergency and Standby Power Systems	·m
Product Sub-Category:	Generators BV: Mohammad Karim	
General Description: Die	esel generator sets mounted on and off tank with or	without external spring isolators.
Mounting Description: Ba	ase Mounted Rigid and Spring Vibration Isolated -	N
Tested Seismic Enhanceme	ents: Seismic enhancements made to the test ur anomalies during the tests shall be incorpo	nits and/or modifications required to address rated into the production units.
Applicant Information		
Applicant Company Name:	The VMC Group	
Contact Person: John Giul	iano	
Mailing Address: 113 Main	Street, Bloomingdale, NJ 07403	
Telephone: (973) 838-1780) Email: john.giuliano@thev	mcgroup.com
Title: President		



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OSP-0594



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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							
Felephone: (832) 627-2214 Email: ken.tarlow@thevmcgroup.com							
Certification Method							
□ GR-63-Core							
Other (Please Specify):							
FOR CODE CO.							
Testing Laboratory							
Company Name: U.S. ARMY ENGINEER RESEARCH AND DEVELOPMENT CENTER, CONSTRUCTION ENGINEERING RESEARCH LABORATORY (CERL)							
Contact Person: James Wilcoski							
Mailing Address: 2902 Newmark Dr., Champaign IL 61822-1076							
Telephone: (217) 352-6511 BY Email: ERDCinfo@usace.army.mil							
Company Name: DYNAMIC CERTIFICATION LABORATORY (DCL)							
Contact Person: Kelly Laplace							
Mailing Address: 1315 Greg St., Ste 109, Sparks NV 89431							
Telephone: (775) 358-5085 Email: Kelly@shaketest.com							
Company Name: UNIVERSITY OF CALIFORNIA, BERKELEY (PEER)							
Contact Person: Amarnath Kasalanati							
Mailing Address: 325 Davis Hall, Berkeley CA 94720-1729							
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Seismic Parameters									
Design Basis of Equipment or Components	s (Fp/Wp) = 0.9 (Rigid); 1.5 (Spring I	solated)							
SDS (Design spectral response acceleration at short period, g) = 2.0									
ap (Amplification factor) =	1.0 (Rigid); 2.5 (Spring Isolated)								
Rp (Response modification factor) =	2.5 (Rigid); 2.0 (Spring Isolated)								
Ω_0 (System overstrength factor) =	2.0								
Ip (Importance factor) =	1.5								
z/h (Height ratio factor) =	0								
Natural frequencies (Hz) =	See Attachment								
Overall dimensions and weight =	See Attachment								
	ED FOR								
HCAI Approval (For Office Use Only) -	Approval Expires on 03/20/2031								
Date: 3/20/2025	OSP-0594	G							
Name: Mohammad Karim		Title:	Supervisor, Health Facilities						
Special Seismic Certification Valid Up to: S	bs (g) = 2.0	 z/h =	0						
Condition of Approval (if applicable):	DATE: 03/20/2025								
	OPNIA BUILDING COD	202							



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	Max		Dimens	sional Da	ita [in]	Max	Mounting	
Model	Rating	Config.	Max	Max	Max	Weight ¹	Mounting	UUT
	[kW]		Length	Width	Height	[lb]	Configuration	
		Open	141.7	74.8	84.7	11,505	Rigid/Isolated	Extrapolated
KD610	610	Open	141.5	74.8	84.8	11,650	Rigid	UUT-11
		Enclosed	262.8	74.8	136.9	15,495		
KD700	700	Open	141.7	74.8	84.7	12,345	Rigid/Isolated	Interpolated
ND700	700	Enclosed	262.8	74.8	136.9	16,335	Ttigiu/130iateu	Interpolated
		Open	141.7	74.8	84.7	12,875		
KD750	750	Enclosed	264.0	75.0	137.0	16,600	Rigid	UUT-12
		Enclosed	262.8	74.8	136.9	16,865		
KD800	800	Open	167.2	82.7	92.2	16,440		
RECOO	800	Enclosed	303.4	103.0	131.9	23,340		
KD900	900	Open	167.2	82.7	92.2	17,131		
ND 300	900	Enclosed	303.4	103.0	131.9	24,031		
KD1000	1000	Open	167.2	82.7	92.2	17,821		
KD 1000	1000	Enclosed	303.4	103.0	131.9	24,721		
KD1250	1250	Open	222.0	86.0	98.0	30,191		
RD1200	1250	Enclosed	410.2	119.2	140.9	41,671		
KD1250-A	1250	Open /	203.9	86.0	98.0	30,191	OLINZ	
ND 1200 A	1250	Enclosed	410.2	119.2	140.9	41,671	722	
KD1350	1350	Open	203.9	86.0	5 98.0	30,191	Rigid/Isolated	Interpolated
IND 1000	1350	Enclosed	410.2	119.2	140.9	41,671	Rigid/150lated	Interpolated
KD1500	1500	Ope <mark>n</mark>	222.0	86.0	98.0	30,191		
IND 1000	1500	Enclosed	410.2	119.2	^{140.9}	41,671		
KD1600	1600	Ope <mark>n</mark>	222.0	93.7	101.6	30,191		
TE 1000	1600	Enclosed	410.2	119.2	140.9	41,671		
KD1750	1750	Open –	222.0	93.7	101.6	30,191		
ND 1700	1750	Enclosed	410.2	119.2	140.9	41,671	BY 0.	
KD2000	2000	Open	263.0	114.8	130.0	48,516		
TIE 2000	2000	Enclosed	503.0	137.0	163.0	66,344	NY Y	
KD2250	2250	Open	263.0	114.8	130.0	49,222		
1122200	2250	Enclosed	503.0	137.0	163.0	67,050		
KD2500	2500	Open	270.6	114.8	130.0	51,913		
	2500	Enclosed	500.0	137.0	163.0	70,500	Rigid	UUT-13
KD2800	2800	Open	301.0	125.0	136.0	69,240		
KD2800	2800	Open	297.0	137.6	136.1	68,239	Rigid/Isolated	Interpolated
KD3000	3000	Open	301.0	125.0	136.0	69,240	. ligia, isolatou	interpolatou
KD3000	3000	Open	297.0	137.6	136.1	68,239		
KD3250	3250	Open	301.0	125.0	136.0	69,240	Isolated	UUT-7
KD3250	3250	Open	297.0	137.6	136.0	61,870	Isolated	UUT-14

Table 1a - Certified Gensets Off Tank

¹Maximum weight includes Wet Genset + Full Fuel Tank (Weight calculated with #2 Diesel) All gensets EPA Tier 2

	Max		Dimens	sional Da	ata [in]	Max	Mounting	
Model	Rating	Config.	Max	Max	Max	Weight ¹		UUT
	[kW]		Length	Width	Height	[lb]	Configuration	
KD610	610	Open	172.9	74.8	105.6	19,851		
KD010	610	Enclosed	403.5	119.9	179.3	67,575		
KD700	700	Open	172.9	74.8	105.6	20,691		
KD700	700	Enclosed	403.5	119.9	179.3	68,415	Rigid/Isolated	Extrapolated
KD750	750	Open	172.9	74.8	105.6	21,221		
KD750	750	Enclosed	403.5	119.9	179.3	68,945		
	800	Open	360.0	99.8	146.2	62,589		
KD800	800	Enclosed	360.0	103.0	171.9	74,050	Rigid	UUT-01
	800	Enclosed	360.0	103.0	171.9	74,052		
KD900	900	Open	435.0	99.8	146.2	72,636		
KD900	900	Enclosed	435.0	103.0	171.9	77,928		
KD1000	1000	Open	435.0	99.8	146.2	73,326		
KD1000	1000	Enclosed	435.0	103.0	171.9	78,618		
KD1250	1250	Open	438.9	116.3	147.0	95,023		
ND1230	1250	Enclosed	438.9	119.2	180.9	104,120		
KD1250-A	1250	Open	438.9	116.3	147.0	95,023		
KD1250-A	1250	Enclosed	438.9	119.2	180.9	104,120	E.	
KD1350	1350	Open/,-	438.9	116.3	147.0	95,023	12	
RB1000	1350	Enclosed	438.9	119.2	5180.9	104,120	Rigid/Isolated	Interpolated
KD1500	1500	Open	438.9	116.3	148.0	95,023	Rigid/isolated	Interpolated
RB1000	1500	Enclosed	438.9	119.2	180.9	104,120		
KD1600	1600	Ope <mark>n</mark>	438.9	116.3	148.0	95,023		
RB1000	1600	Enclosed	438.9	119.2	180.9	104,120		
KD1750	1750	Ope <mark>n</mark>	438.9	116.3	148.0	95,023		
RB1700	1750	Enclosed	438.9	119.2	180.9	104,120		
KD2000	2000	Open 🏹	442.0	134.3	171.1	98,223	H 0.	
102000	2000	Enclosed	531.0	137.0	188.0	116,051		
KD2250	2250	Open	442.0	134.3	171.1	98,929	N'Y	
102200	2250	Enclosed	531.0	137.0	188.0	116,757		
KD2500	2500	Open	442.0	134.3	.171.1	101,620		
102000	2500	Enclosed	531.0	137.0	207.0	120,000	Isolated	UUT-2

Table 1b - Certified Gensets On Tank

Notes:

¹Maximum weight includes Wet Genset + Full Fuel Tank (Weight calculated with #2 Diesel) All gensets EPA Tier 2

Model Range	Part Number	Туре	Manufacturer	Weight [lb]	UUT
	11401085047-KA3	Aluminum Sound Level 1		2,730	Extrapolated
KD610-750	11401085047-KA1	Aluminum Sound Level 2		3,300	Extrapolated
	11401085047-KA2	Aluminum Sound Level 3		3,990	UUT-12
KD800-1000	114010157XX	Aluminum Sound Level 1		3,916	Interpolated
ND000-1000	114010035XX	Aluminum Sound Level 2		4,674	UUT-01
KD1250-1750	114010354XX	Aluminum Sound Level 1	Kohler	6,346	Interpolated
ND1230-1730	114010204XX	Aluminum Sound Level 2		8,181	Interpolated
KD2000-2500	114010319XX	Aluminum Sound Level 1		11,154	UUT-02
(KD62V12) ¹	114010263XX	Aluminum Sound Level 2		15,261	Internelated
KD2000-2500	114011255XX	Aluminum Sound Level 1		13,311	Interpolated
(KD62V12A) ¹	114011216XX	Aluminum Sound Level 2		17,828	UUT-13

Table 2 - Certified Enclosures

¹ Indicates the type of engine model the enclosures pairs with. Refer to table 4 for differentiation of engine n

Table 3 - Certified Tanks R CODE

Model Range	Tank Capacity (gal)	Manufacturer	Notes	Weight ¹ [lb]	UUT	
	550			8,623		
	632			8,346		
KD610-KD750	1,279			15,033		
ND010-ND730	2,530			28,545		
	3,785			40,212		
	5,025			52,080	Extrapolated	
	918	Kohler		14,428		
	1,749			21,387		
KD800-1000	2,793			30,076		
10000-1000	3,426		Carbon Steel	37,225		
	4,158			42,878		
	5,120			51,849	UUT-01	
	1,549			22,484		
KD1250-1750	2,605			31,044		
ND 1230-1730	2,960			33,929	Extrapolated	
	5,076			54,033		
	2,266			32,359]	
KD2000-2500	3,733			43,868		
	4,346			49,707	UUT-02	

¹Wet weight with assumed fuel density of 7lb/gal

Table 4 - Certified Engines

Model Range	Model	Manufacturer	Operating Weight [Ib]	UUT
	KD18L06		4,286	UUT-11, UUT-12
	KD610-KD750		4,286	Interpolated
	KD800		4,630	UUT-01
	KD900		4,630	
	KD1000		4,630	
	KD1250		7,055	
	KD1250-A		7,055	
	KD1350		7,055	Internelated
	KD1500	Kohler	9,006	Interpolated
	KD1600		9,006	
	KD1750		9,006	
KD610-3250	KD2000 (KD62V12) ¹		22,000	
ND010-3230	KD2250 (KD62V12) ¹		22,000	
	KD2500 (KD62V12) ¹		22,000	UUT-02
	KD2800 (KD83V16) ¹		26,801	Internalist
	KD3000 (KD83V16) ¹		26,802	Inteprolated
	KD3250 (KD83V16) ¹		26,803	UUT-07
	KD2000 (KD <mark>62V1</mark> 2A) ¹		<mark>19,69</mark> 8	Inteprolated
	KD2250 (KD62V12A) ¹		19,698	Inteprolated
	KD2500 (KD62V12A) ¹		19,698	UUT-13
	KD2800 (KD83V16A) ¹		24,291	Interrolated
	KD3000 (KD83V16A) ¹		2 <mark>4,</mark> 292	Inteprolated
	KD3250 (KD83V16A) ¹		24,293	UUT-14

¹Addtional model number included to differentiate between older generation engines (UUT-02,-07) and newer generation engines (UUT-13,-14).

Model Range	Manufacturer	Part Number	Weight [lb]	UUT					
KD610-KD1750	Parker/Racor	LDP160	7	UUT-1, UUT-11, UUT-12					
KD2000-KD3250	Parker/Racor	DLDP160	16	UUT-02, UUT-13, UUT-07, UUT-14					

Table 5 - Certified Fuel/Water Separators

Table 6 - Certified Block Heaters

Model Range	Manufacturer	PartNumber	Weight [lb]	UUT
		CSM Series Style A	37	Extrapolated
KD610 - KD3250	Kim Hotstart	CSM Series Style B	54	UUT-01, UUT-02, UUT-07, UUT-13, UUT-14
	PTI ²	Topstart Series ¹	35	UUT-01,UUT-02, UUT-12, UUT-13a,b

¹ Includes Control Box **Table 7 - Certified Air Filters**

Model		Standard Duty	y Air Filter	Assembly	Heavy	Duty Air Filte	r Assembly
Range	Manufacturer	Part Number	Weight [lb]	UUT	Part Number	Weight [lb]	UUT
KD610-KD750		30801168701	9	UUT-11	10801002801	44	UUT-12
KD800		10801001001	9		30801086201	44	UUT-01
KD900		10801001001	9	10005	30801086201	44	
KD1000		10801001001	U. ģ /ZU	/2025	30801086201	44	
KD1250		10801001001	9	237237237223722	30801086201	44	Interpolated
KD1250-A		10801001001	9		30801086201	44	
KD1350		10801001001	9	Extrapolated	30801086201	44	
KD1500	Kohler	10801001001	9	(Lower Mass	30801086201	44	Interpolated
KD1600	KUIIIEI	10801001001	9	than Heavy	30801086201	44	
KD1750		10801001001	UI9DI	Duty)	30801086201	44	
KD2000		30801168701	17	Duty)	10801002801	88	
KD2250		30801168701	17		10801002801	88	
KD2500		30801168701	17		10801002801	88	UUT-02, UUT-13
KD2800		30801168701	17		10801002801	88	Interpolated
KD3000		30801168701	17		10801002801	88	interpolated
KD3250		30801168701	17		10801002801	88	UUT-07, UUT-14

Model Range	Part Number	Power Rating [kW]	Manufacturer	Weight [lb]	UUT
	ECO40-2L / KH02953TO4D	610		3,386	Extrapolated
	ECO40-VL / KH03546TO4D	610-700		3,863	UUT-11
	ECO43-1S / KH02970TO4D	700-750		4,233	UUT-12
	ECO43-2S / KH03450TO4D	750		4,718	
	ECO40-VL / ALT-KH03544TO4D	800		3,732	Interpolated
	ECO43-1S / ALT-KH02970TO4D	800		4,123	
	ECO43-2S / ALT-KH03450TO4D	800		4,608	UUT-01
	ECO43-2S / ALT-KH03450TO4D	900		4,608	
	ECO43-2M / ALT-KH04070TO4D	800, 900, 1000	MeccAlte [branded Kohler]	5,225	Interpolated
	ECO43-2L / ALT-KH04830TO4D	900, 1000, 1250		5,864	
	ECO43-VL / ALT-KH05520TO4D ECO43-VL / KH05520TO4D	D 1000DE		6,504	
KD610-		1250, 1350		6,504	
KD1750	ECO46-1S / KH03850TO4D	1250, 1350, 1500		6,636	
	ECO46-1.5S / KH04590TO4D	1250, 1500, 1600		7,452	
	ECO46-2S / KH04920TO4D	1350, 1500,9 1600, 1750		7,859	
	ECO46-1L / KH05740TO4D	1350, 1500, 1600, 1750		8,400	
	ECO46-1.5L / KH06400TO4D	1750		9,392	
	ECO46-2L / KH06810TO4D	1250, 1350, 1500, 1600, 1750		9,656	
	ECO46-VL / KH08200TO4D	1750		11,600	UUT-03A, UUT-03B

Table 8A - Certified Alternators



Model Range	Part Number	Power Rating [kW]	Manufacturer	Weight [lb]	UUT
	LSA 52.3 S7 / KH04970TO4D	2000		8,800	UUT-04A, UUT-04B
	LS641-L65 / KH05641TO4D	1500, 1750,		9,316	
	LS641-L70 / KH06361TO4D	2000, 2250		9,916	
	LS641-VL75 / KH06721TO4D	1500,		9,316	
	LS641-VL90 / KH07620TO4D	2000, 2250		11,140	
	LS641-VL95 / KH07800TO4D	2000, 2250, 2500		11,296	
	LS642-VL95 / KH07801TO4D	2000, 2250, 2500		11,296	
	LSA52.3 L9 / KH05790TO4D	2250		9,738	
	LS841-S60 / KH06221TO4D	2000, 2250		10,254	
	LS841-M70 / KH07001TO4D	2000, 2250, 2500		10,890	
	LS841-L75 / KH07771TO4D	2000, 2250, 2500, 2800, 3250 59		11,768	Interpolated
KD800- KD3250	LS841-VL85 / KH08431TO4D	2000, 2250, 2500, 2800, 3000, 3250	Leroy Somer [branded	12,355	
ND3230	LS842 S60 / KH06220TO4D	2000, 2250	Kohler]	10,010	
	LS842 M70 / KH07000TO4D	2000, 2250, ₂ 2500		10,646	
	LSA52.3 L12 / KH06930TO4D	2000, 2250, 2500		10,836	
	LS842 L75 / KH07770TO4D	2000, 2250		11,526	
	LS842 VL85 / KH08430TO4D	2000, 2250, 2500, 2800, 3000		12,113	
	LS842 L75 / KH07770TO4D	2500		12,290	UUT-06A, UUT-06B
	LS842 L75 / KH07770TO4D	2800		12,290	Interpolated
	LS941-VL60 / KH07640TO4D	2000, 2250, 2500, 2800, 3000, 3250		19,187	Interpolated
	LS941-VL70 / KH08590TO4D	2000, 2250, 2500, 2800, 3000, 3250		19,888	UUT-14
	LS941-XL80 / KH09390TO4D	2000, 2250, 2500, 2800, 3000, 3250		20,763	Extrapolated

Model Range	Part Number	Power Rating [kW]	Manufacturer	Weight [lb]	UUT
	4P6.6-2600 / KH07080TO4D	2000		13,850	UUT-05A,B
	4P6.6-2600 / KH07080TO4D, KH07081TO4D	2000		13,850	Interpolated
	4P6.6-2800 / KH07630TO4D, KH07633TO4D	2000, 2250		15,637	Interpolated
	4P6.7-2975 / KH08100TO4D, KH08101TO4D	2250, 2500		17,723	UUT-13
	4P6.7-3400 / KH09270TO4D, KH09271TO4D	2000, 2250, 2500		17,820	Interpolated
	4P6.7-3400 / KH09270TO4D	2500		17,820	UUT-02
KD2000	4P6.7-3400 / KH09270TO4D, KH09271TO4D	2800	Kato	17,820	
KD2000- KD3250	4P9.X-2100 / KH06670TO4D, KH06671TO4D	2800, 3000	[branded Kohler]	18,011	
	4P9.X-2400 / KH07631TO4D, KH07634TO4D	2000, 2250, 2500, 2800, 3000, 3250		19,907	Interpolated
	4P9.X-2700 / KH07632TO4D, KH07635TO4D	2000, 2250, 2500, 2800, 3000, 3250		21,318	
	4P9.X-2950 / KH09370TO4D, KH09371TO4D	2800, 3000, 3250		<mark>2</mark> 4,030	
	4P9.X-2950 / KH09370TO4D	3250		23,324	UUT-07
	4P9.X-3200 / KH10171TO4D, KH10172TO4D	2800, 3000, 3250		25,419	Extrapolated

Table 8C - Certified Alternators



Model Range	Customer Part Number	Manufacturer	Operating Weight [lb]	UUT
KD610-KD750	50C	AKG	1,164	UUT-11, UUT-12
KD800	40C		1,100	Interpolated
	50C		1,263	UUT-01
KD900	40C	-	1,100	
	50C	-	1,376	
KD1000	40C	-	1,100	
	50C	-	1,376	-
KD1250	40C	-	1,940	
	50C	-	2,291	
KD1250-A	40C	-	1,585	
KD1250-A	50C		2,022	
KD1350	40C		1,585	
KD 1350	50C COR		2,022	
	400		1,969	Interpolated
KD1500	50C		2,291	
1/0 4000	40C	WABTEC,	2,291	
KD1600	50C	[branded	2,526	
1/0 /750	40C 0ST	Kohler]	2,291	
KD1750	50C		2,526	
	40C		6,700	
KD2000	50CY Mohar		7,630	
	40C		6,700	
KD2250	50C		7,630	
	40CATE: 0		6,700	
KD2500	50C		7,630	UUT-02, UUT-13
	40C		12,740	
KD2800	50C		12,740	
KD0000	40C		12,740	Interpolated
KD3000	50C B/1		12,740	1 .
	40C		12,740	1
KD3250	50C		12,570	UUT-14
	500		12,740	UUT-07

Table 9 - Certified Radiators

Table 10 -	Certified	Controllers
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Model Range	Customer Model	Manufacturer	Weight [Ib]	UUT
KD610-KD3250	APM802	Kohler	<10	UUT-01, UUT-02, UUT-12, UUT-13
ND010-ND3230	APM603: KD Small Pedestal	Kohler	<10	UUT-08A,B
	APM603: KD Large Pedestal	Kohler	<10	UUT-09A,B, UUT-11, UUT-14

Table 11 - Certified Skids

Model	Material	Manufacturer	UUT
KD610-KD750			UUT-11,
KD800			UUT-01
KD900			Interpolated
KD1000			Interpolated
KD1250, KD1250-A			Interpolated
KD1350			Interpolated
KD1500			Interpolated
KD1600			Interpolated
KD1750	Carbon Steel	Kohler ¹	Interpolated
KD2000			Interpolated
KD2250			Interpolated
KD2500			UUT-02,
KD2300			UUT-13
KD2800			Interpolated
KD3000			Interpolated
KD3250			UUT-07,
ND3250			UUT-14

¹ Kohler holds design control of skid designs. United Alloy manufactured skids for UUT-11 and UUT-12.

Model Range	Description	Model Number	MFR	Weight [lb]	UUT
KD800-3250	Oil Level Regulator	Ren Series	Cummins Filtration	9	UUT-01, UUT-02
KD610-3250	Oil Level Regulator	LM Series	Murphy	<10	UUT-12, UUT- 13, UUT-14
KD800-1000	Redundant Starter(s)	KD27V12: 10702004501	Kohler	75	UUT-01
KD1250-1350	Redundant Starter(s)	KD36V16: 10702004301	Kohler	75	UUT-01
KD1500-1750	Redundant Starter(s)	KD45V20: 10702004301	Kohler	150	UUT-01
KD2000-2500	Redundant Starter(s)	10702003701, 30702250701	Kohler	141	UUT-01, UUT- 13
KD2800-3250	Redundant Starter(s)	10702003701, 30702250701	Kohler	141	UUT-01, UUT- 14
		10701000345-MA1		44	UUT-01
KD800-3250	Battery Rack (for	10701000445-MA1	Kohler	74	UUT-02
	redundant starters)	10702002401-MA2		122	UUT-13, UUT- 14
KD610-1750	Generator Heater	10210000101-KA1	Kohler	5	UUT-01
KD010-1750	Generator Treater	10210000101-KA2	Koniei	5	UUT-02
KD610-2500	DC Light Package	11412000300-KA1 11412000300-KA2 11412000300-KA3	Kohler	1	UUT-01, UUT-02, UUT- 13
KD610-2500	Ventilating Fan	11412013600-KA3 11412014000-KA3 11412006400-KA1 11412004000-KA1 11412000500-KA1	Kohler	35	UUT-01, UUT-02, UUT13
KD610-2500	Enclosure Heater	11412006300-KA1 11412000400-KA1 11412003900-KA1	Kohler / Berko	25	UUT-01, UUT-02, UUT13
KD610-750		VCD-23	Greenheck	-	UUT-12
KD800-2500	Motorized Air Inlet, Al	Series 1000	Tamco	230	UUT-02 INterpolated
KD800-2500	Motorized Air Inlet, Insulated Aluminum	Series 9000	Tamco	230	UUT-01, UUT- 13
KD800-2500	Motorized Air Inlet, Galvanized	VCD-23	Greenheck	670	Interpolated
KD800-2500	Motorized Air Outlet, Al	Series 1000	Tamco	207	Interpolated
KD800-2500	Motorized Air Outlet, Insulated Aluminum	Series 9000	Tamco	207	Interpolated UUT-01
KD2000-2500	Motorized Air Outlet, Galvanized	VCD-23	Greenheck	605	UUT-13
KD610-750		WD-320	Greenheck	-	UUT-12
KD800-2500	Gravity Air Outlet, Al	Series 7000	Tamco	163	Interpolated UUT-02
		11412013600-KA1		25	Extrapolated
	Extornal Emergency	11412014000-KA1		25	Extrapolated
KD610-2500	External Emergency Stop	11412006500-KA1	Kohler	25	UUT-01
	Stop	11412004100-KA1		25	UUT-02
		11412012900-KA1		25	UUT-13
02/20/2025					Dogo 14 of

Table 12 - Miscellaneous Components

		s components	(0011011	/	
Model Range	Description	Model Number	MFR	Weight [lb]	UUT
KD1250-1750		11605000900-KA2		370	Interpolated
KD1230-1730		11605000900-KA1		395	UUT-02
KD2000-2500	Stepdown Transformer	11605000700-KA1	Square D	395	Interpolated
		11605000700-KA2		370	UUT-13
KD1250-2500	Transformer Disconnect Switch	11605000800-KA1	Square D	18	UUT-02
KD610-2500	5 gal OSHPD/IBC Spill Containment with 95% shutoff	GM58956-TA71	Kohler	55	UUT-01, UUT-02
KD610-2500	3 Alarm Fuel Tank Panel, FDEP, 220" Hrns (24V)	GM61192-TA34	Kohler	8	UUT-01, UUT-02
KD610-2500	High Fuel Switch (FDEP approved) (24V)	GM61192-TA26	Kohler	13	UUT-01, UUT-02
KD610-2500	Fuel in Basin switch (FDEP approved)	GM61276-TA33	Kohler	4	UUT-01, UUT-02
KD610-2500	Emergency Vent, IBC	GM84330-TA4	Clay and Bailey	22	UUT-01, UUT-02
KD6100-3250	Alternator Air Filter	10801001401-KA1 10801001501-KA1 10801002601-KA1 10201012801-KA1 10201013001-KA1 10201012801-KA1 10201013201-KA1 10201013201-KA3 10201013001-KA1	Kohler	25	UUT-01, UUT-02
KD610-3250	Battery Charger (s)	MSM-20-24V-U1	LaMarche	11	UUT-01, UUT- 02, UUT-12, UUT-13, UUT- 14
KD610-3250	Automatic Redundant Battery Selector	ES-82649 "ARBS-4800-150"	LaMarche	124	UUT-13

Table 12 - Miscellaneous Components (continued)

Model Range	Manufacturer	Description	Alternator Range	Weight [lb]	UUT
		H-Frame		5	UUT-1
		J-Frame	120/208, 127/220,	5	
KD800-2500	Schneider	L-Frame	139/240, 220/380, 240/416, 254/440,	15	Internalated
		M-Frame	277/480, 230/400,	14	Interpolated
		P-Frame	240/415, 347/600	38	
		R-Frame		53	
		NW-Frame		180	UUT-1
KD2000-3250	Schneider	MTZ-Frame	220/380, 240/416, 277/480, 347/600	279	UUT-14
KD800-3250	ABB	Emax 2	120/208, 127/220, 139/240, 220/380, 240/416, 254/440, 277/480, 230/400, 240/415, 347/600	314	UUT-13

Table 13 - Circuit Breakers





UUT-1

Test Report: VMA-50771-01E (Test Performed at CERL, Report by VMC) Model Number Manufacturer Model Line KD KD800 Kohler **Product Construction Summary** Diesel powered electrical generator set 800 kW, Aluminum Enclosure, and 4,973 gal carbon steel tank **Options / Subcomponent Summary** Enclosure, Fuel Tank, Engine, Alternator, Radiator **UUT** Properties Dimensions [in] Lowest Nat. Freq. [Hz] Weight [lbs] Width Height Length F-B S-S V 74.050 360.0 103.0 171.9 4.0 3.8 9.3 **UUT Highest Passed Seismic Run Information Building Code Test** Criteria z/h A_{FLX-H} $\mathbf{A}_{\mathsf{RIG-H}}$ A_{RIG-V} S_{DS} I_P A_{FLX-V} 2.00 0.0 1.5 2.00 0.80 1.34 0.54 CBC 2022 ICC-ES AC156 _ _ **Test Mounting Details** UUT-1 with fuel tank was rigidly connected to the shake test fixture using (18) 7/8" diameter Grade 8 bolts. Engine and alternator were internally isolated with mounts provided by the manufacturer. UUT UUT 1 Fuel Tank THE TIME Fixture



UUT-2

Test Report: VMA-50771-01E (Test Performed at CERL, Report by VMC) Model Number Manufacturer Model Line KD KD2500 Kohler **Product Construction Summary** Diesel powered electrical generator set 2500 kW, Aluminum Enclosure, and 4,143 gal carbon steel tank **Options / Subcomponent Summary** Enclosure, Fuel Tank, Engine, Alternator, Radiator **UUT** Properties Dimensions [in] Lowest Nat. Freq. [Hz] Weight [lbs] Width Height Length F-B S-S V 120.000 535.5 137.0 207.0 7.3 2.8 5.3 **UUT Highest Passed Seismic Run Information Building Code Test** Criteria z/h $\mathbf{A}_{\mathsf{RIG-H}}$ $\mathbf{A}_{\mathsf{RIG-V}}$ S_{DS} I_P A_{FLX-H} A_{FLX-V} 2.00 0.0 1.5 2.00 0.80 1.34 0.54 CBC 2022 ICC-ES AC156 _ Test Mounting Details UUT-2 was isolated using (12) VMC Group M2SSH-1E-6500N spring isolators to the fuel tank. The tank was rigidly connected to the shake table using (20) 7/8" Grade 8 bolts. UUT **UUT 2 Fuel** Tank Fixture



UUT-3A

Test Report: VMA-50771-01E (Test Performed at CERL, Report by VMC) Model Number Manufacturer Model Line KD ECO46-VL MeccAlte **Product Construction Summary** Alternator manufactured by MeccAlte **Options / Subcomponent Summary** N/A **UUT** Properties Dimensions [in] Lowest Nat. Freq. [Hz] Weight [lbs] Length Width Height F-B V S-S 11,600 81.1 57.1 37.8 25.5 23.3 25.0 **UUT Highest Passed Seismic Run Information Building Code Test** Criteria A_{RIG-H} A_{FLX-V} S_{DS} z/h I_P A_{FLX-H} A_{RIG-V} 2.00 0.0 1.5 2.00 0.80 1.34 0.54 CBC 2022 ICC-ES AC156 _ _ -**Test Mounting Details** UUT-3A was rigidly mounted to the shake table using (4) 20mm diameter Class 10 bolts.



UUT-3B

Test Report: VMA-50771-01E (Test Performed at CERL, Report by VMC) Model Number Manufacturer Model Line KD ECO46-VL MeccAlte **Product Construction Summary** Alternator manufactured by MeccAlte **Options / Subcomponent Summary** N/A **UUT** Properties Dimensions [in] Lowest Nat. Freq. [Hz] Weight [lbs] Length Width Height F-B V S-S 11,600 81.1 57.1 37.8 29.5 24.3 29.8 **UUT Highest Passed Seismic Run Information Building Code Test** Criteria A_{RIG-H} S_{DS} z/h I_P $\mathbf{A}_{\mathsf{FLX-V}}$ $\mathbf{A}_{\mathsf{RIG-V}}$ A_{FLX-H} 2.00 0.0 1.5 2.00 0.80 1.34 0.54 CBC 2022 ICC-ES AC156 _ _ Test Mounting Details

UUT-3B was attached to the shaft fixture using (22) 20mm diameter Class 10 bolts and rigidly mounted to the shake table using (4) 20mm diameter Class10 bolts.





UUT-4A

Test Report: VMA-50771-01E (Test Performed at CERL, Report by VMC) Model Number Manufacturer Model Line KD KH04970TO4D Leroy Somer **Product Construction Summary** Alternator manufactured by Leroy Somer **Options / Subcomponent Summary** N/A **UUT** Properties Dimensions [in] Lowest Nat. Freq. [Hz] Weight [lbs] Length Width Height F-B V S-S 8,800 64.0 42.5 58.5 13.0 11.0 30.0 **UUT Highest Passed Seismic Run Information Building Code Test** Criteria A_{RIG-H} A_{FLX-V} S_{DS} z/h I_P A_{FLX-H} A_{RIG-V} 2.00 0.0 1.5 2.00 0.80 1.34 0.54 CBC 2022 ICC-ES AC156 _ -_ **Test Mounting Details** UUT-4A was rigidly mounted to the shake table using (4) 20mm diameter Class 10 bolts.



UNIT UNDER TEST (UUT)

UUT-4B

Summary Sheet Test Report: VMA-50771-01E (Test Performed at CERL, Report by VMC) Model Number Manufacturer Model Line KD KH04970TO4D Leroy Somer **Product Construction Summary** Alternator manufactured by Leroy Somer **Options / Subcomponent Summary** N/A **UUT** Properties Dimensions [in] Lowest Nat. Freq. [Hz] Weight [lbs] Width Height Length F-B S-S V 8.800 64.0 58.5 42.5 >33.3 29.0 5.0 **UUT Highest Passed Seismic Run Information Building Code Test** Criteria S_{DS} z/h $\mathbf{A}_{\mathsf{RIG-H}}$ $\mathbf{A}_{\mathsf{RIG-V}}$ I_P A_{FLX-H} A_{FLX-V} 2.00 0.0 1.5 2.00 0.80 1.34 0.54 CBC 2022 ICC-ES AC156 _ Test Mounting Details UUT-4B was attached to the shaft fixture using (12) 5/8" diameter Grade 5 bolts and (16) M12 Class 10.9 bolts. UUT-4B was rigidly mounted to the shake table using (4) 3/4" diameter Grade 8 bolts





UUT-5A

Test Report: VMA-50771-01E (Test Performed at CERL, Report by VMC) Model Number Manufacturer Model Line KD KH0708TO4D Kato **Product Construction Summary** Alternator manufactured by Kato **Options / Subcomponent Summary** N/A DDF **UUT** Properties Dimensions [in] Lowest Nat. Freq. [Hz] Weight [lbs] Length Width Height F-B V S-S 13,850 69.0 101.0 73.0 30.0 23.0 30.0 **UUT Highest Passed Seismic Run Information Building Code Test** Criteria A_{RIG-H} A_{FLX-V} S_{DS} z/h I_P A_{FLX-H} A_{RIG-V} 2.00 0.0 1.5 2.00 0.80 1.34 0.54 CBC 2022 ICC-ES AC156 _ -_ Test Mounting Details UUT-5A was rigidly mounted to the shake table using (4) 20mm diameter Class 10 bolts.



UUT-5B

Test Report: VMA-50771-01E (Test Performed at CERL, Report by VMC) Model Number Manufacturer Model Line KD KH0708TO4D Kato **Product Construction Summary** Alternator manufactured by Kato **Options / Subcomponent Summary** N/A **UUT** Properties Dimensions [in] Lowest Nat. Freq. [Hz] Weight [lbs] Width Height Length F-B S-S V 13.850 69.0 101.0 73.0 >33.3 21.0 31.0 **UUT Highest Passed Seismic Run Information Building Code Test** Criteria S_{DS} z/h $\mathbf{A}_{\mathsf{RIG-H}}$ $\mathbf{A}_{\mathrm{RIG-V}}$ I_P A_{FLX-H} A_{FLX-V} 2.00 0.0 1.5 2.00 0.80 1.34 0.54 CBC 2022 ICC-ES AC156 _ _ **Test Mounting Details** UUT-5B was attached to the shaft fixture using (6) 24mm diameter Class 8.8 bolts and (16) M12 Class 10.9 bolts. UUT-5B was rigidly mounted to the shake table using (4) 3/4" diameter Grade 8 bolts. M12 Bolts to 24mm Bolts to Alternator Shroud Alternator Rotor



UUT-6A

Test Report: VMA-50771-01E (Test Performed at CERL, Report by VMC) Model Number Manufacturer Model Line KD KH07770TO4D Leroy Somer **Product Construction Summary** Alternator manufactured by Leroy Somer **Options / Subcomponent Summary** N/A **UUT** Properties Dimensions [in] Lowest Nat. Freq. [Hz] Weight [lbs] Length Width Height F-B V S-S 12,290 53.0 95.0 59.0 12.0 27.0 20.0 **UUT Highest Passed Seismic Run Information Building Code Test** Criteria A_{RIG-H} A_{FLX-V} S_{DS} z/h I_P A_{FLX-H} A_{RIG-V} 2.00 0.0 1.5 2.00 0.80 1.34 0.54 CBC 2022 ICC-ES AC156 _ _ _ Test Mounting Details UUT-6A was rigidly mounted to the shake table using (4) 20mm diameter Class 10 bolts.



N/A

Weight [lbs]

UNIT UNDER TEST (UUT)

UUT-6B

V

Summary Sheet Test Report: VMA-50771-01E (Test Performed at CERL, Report by VMC) Model Number Manufacturer Model Line KD KH07770TO4D Leroy Somer **Product Construction Summary** Alternator manufactured by Leroy Somer **Options / Subcomponent Summary UUT** Properties Dimensions [in] Lowest Nat. Freq. [Hz] Width Length Height F-B S-S 52 O 05.0 50.0 21 5

53.0	9	59P-059	14 5	9.0	>33.3	21.5	19.0
	lighest Pas	sed Seismic	Run Infor	mation			
Test <mark>Criter</mark> ia	SVS _{DS/O}	ant/had	Kar i m	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
	2.00	0.0	1.5	2.00	0.80	1.34	0.54
100-L3 AC130		00/00/0		-	-	-	-
-		Test Criteria Sps ICC-ES AC156 2.00	Test CriteriaSpsz/hICC-ES AC1562.000.0	Test CriteriaSpsz/hIppICC-ES AC1562.000.01.5	ICC-ES AC156	Test Criteria S _{DS} z/h IP A _{FLX-H} A _{RIG-H} ICC-ES AC156 2.00 0.0 1.5 2.00 0.80	Test Criteria S _{DS} Z/h IP A _{FLX-H} A _{RIG-H} A _{FLX-V} ICC-ES AC156 2.00 0.0 1.5 2.00 0.80 1.34

Test Mounting Details

UUT-6B was attached to the shaft fixture using (6) 24mm diameter Class 8.8 bolts and (16) M12 Class 10.9 bolts. UUT-6B was rigidly mounted to the shake table using (4) 3/4" diameter Grade 8 bolts.





UUT-7

Test Report: 30561-1701 (Test Performed at CERL, Report by DCL) Model Line **Model Number** Manufacturer KD KD3250 Kohler **Product Construction Summary** Diesel powered electrical generator set 3250 kW, No Enclosure and No Tank **Options / Subcomponent Summary** Engine, Alternator, Radiator **UUT Properties** Dimensions [in] Lowest Nat. Freq. [Hz] Weight [lbs] Width Height Length F-B S-S V 69.240 301.0 125.0 136.0 6.5 3.0 3.5 **UUT Highest Passed Seismic Run Information Building Code Test** Criteria z/h A_{RIG-V} S_{DS} J_P A_{FLX-H} A_{RIG-H} A_{FLX-V} 2.00 0.0 1.5 2.00 0.80 1.34 0.54 CBC 2022 ICC-ES AC156 _ _ **Test Mounting Details** UUT-7 was isolated using (18) VMC Group M2SSH-1E-6500N spring isolators. UUT-7 was attached to the isolators using (1) 3/4" diameter Grade 8 bolt per isolator. Isolators were welded to C-Channel adaptors with 1/4" fillet welds. The C-Channel adaptors were attached to the shake table interface fixture using (48) 3/4" diameter Grade 8 bolts





UUT-8A

Length 29.0	Product C Options / So U Dimensi Wi Bighest Pas 2.00 2.50 Test	3: KD Small F construction ubcomponen ubcomponen UT Propertie ions [in] dth .0 P-050 sed Seismic 1.0 0.0 Mounting De	Summary	ight 4.0	Lowes F-B 32.5 A _{RIG-H} 2.40 -	Kohler st Nat. Freq S-S 11.0 A _{FLX-V} - 1.68	. [Hz] V >33.3 A _{RIG-V} - 0.68
Length 29.0 UUT H Test Criteria	Options / So U Dimensi Wi Bighest Pas 2.00 2.50 Test	ubcomponen CODE UT Propertie ions [in] dth .0 P-059 sed Seismic 1.0 0.0 Mounting De	nt Summar	ight 4.0 Mation A _{FLX-H} 3.20	F-B 32.5 A _{RIG-H} 2.40	S-S 11.0 A _{FLX-V} -	V >33.3 A _{RIG-}
Length 29.0 UUT H Test Criteria	Options / So U Dimensi Wi Bighest Pas 2.00 2.50 Test	ubcomponen CODE UT Propertie ions [in] dth .0 P-059 sed Seismic 1.0 0.0 Mounting De	nt Summar	ight 4.0 Mation A _{FLX-H} 3.20	F-B 32.5 A _{RIG-H} 2.40	S-S 11.0 A _{FLX-V} -	V >33.3 A_{RIG-}
Length 29.0 UUT H Test Criteria ICC-ES AC156	U Dimensi Wi Bighest Pas 2.00 2.50 Test	UT Propertie ions [in] idth 0 P-059 sed Seismic 1.0 0.0 Mounting De	He He Run Inform 1.5	ight 4.0 Mation A _{FLX-H} 3.20	F-B 32.5 A _{RIG-H} 2.40	S-S 11.0 A _{FLX-V} -	V >33.3 A _{RIG-}
Length 29.0 UUT H Test Criteria ICC-ES AC156	U Dimensi Wi Bighest Pas 2.00 2.50 Test	UT Propertie ions [in] idth 0 P-059 sed Seismic 1.0 0.0 Mounting De	He He Run Inform 1.5	ight 4.0 Mation A _{FLX-H} 3.20	F-B 32.5 A _{RIG-H} 2.40	S-S 11.0 A _{FLX-V} -	V >33.3 A _{RIG-}
29.0 UUT H Test Criteria	Dimensi Wi Bighest Pas 2.00 2.50 Test	ions [in] dth .0 -050 sed Seismic 1.0 0.0 Mounting De	He 4 54 Run Inform 1.5 1.5	4.0 mation A _{FLX-H} 3.20	F-B 32.5 A _{RIG-H} 2.40	S-S 11.0 A _{FLX-V} -	V >33.3 A _{RIG-}
29.0 UUT H Test Criteria	Dimensi Wi Bighest Pas 2.00 2.50 Test	ions [in] dth .0 -050 sed Seismic 1.0 0.0 Mounting De	He 4 54 Run Inform 1.5 1.5	4.0 mation A _{FLX-H} 3.20	F-B 32.5 A _{RIG-H} 2.40	S-S 11.0 A _{FLX-V} -	V >33.3 A _{RIG-}
29.0 UUT H Test Criteria	Dimensi Wi Bighest Pas 2.00 2.50 Test	ions [in] dth .0 -050 sed Seismic 1.0 0.0 Mounting De	He 4 54 Run Inform 1.5 1.5	4.0 mation A _{FLX-H} 3.20	F-B 32.5 A _{RIG-H} 2.40	S-S 11.0 A _{FLX-V} -	V >33.3 A_{RIG-}
29.0 UUT H Test Criteria	Dimensi Wi Bighest Pas 2.00 2.50 Test	ions [in] dth .0 -050 sed Seismic 1.0 0.0 Mounting De	He 4 54 Run Inform 1.5 1.5	4.0 mation A _{FLX-H} 3.20	F-B 32.5 A _{RIG-H} 2.40	S-S 11.0 A _{FLX-V} -	V >33. A_{RIG}.
29.0 UUT H Test Criteria	Dimensi Wi Bighest Pas 2.00 2.50 Test	ions [in] dth .0 -050 sed Seismic 1.0 0.0 Mounting De	He 4 54 Run Inform 1.5 1.5	4.0 mation A _{FLX-H} 3.20	F-B 32.5 A _{RIG-H} 2.40	S-S 11.0 A _{FLX-V} -	V >33. A _{RIG.} -
29.0 UUT H Test Criteria	Wi Bighest Pas 2.00 2.50 Test	dth .0 P-059 sed Seismic 1.0 0.0 Mounting De	4 54 Run Inform Ka ^J P 1.5	4.0 mation A _{FLX-H} 3.20	F-B 32.5 A _{RIG-H} 2.40	S-S 11.0 A _{FLX-V} -	V >33. A _{RIG} -
29.0 UUT H Test Criteria	lighest Pas 2.00 2.50 Test	0 P-050 sed Seismic 1.0 0.0 Mounting De	4 54 Run Inform Ka ^J P 1.5	4.0 mation A _{FLX-H} 3.20	32.5 А_{RIG-Н} 2.40	11.0 A_{FLX-V}	>33. A_{RIG} -
UUT H Test Criteria	lighest Pas S _{ps} 2.00 2.50 Test	sed Seismic 1.0 0.0 Mounting De	Run Inform	Mation A _{FLX-H} 3.20	А_{RIG-Н} 2.40	A _{FLX-V}	A _{RIG} . -
Test Criteria	S _{DS} 2.00 2.50 Test	z/h 1.0 0.0 Mounting De	Karlm 1.5	А _{FLX-Н} 3.20 -	2.40	-	-
ICC-E <mark>S AC1</mark> 56	2.00 2.50 Test	1.0 0.0 Mounting De	1.5 1.5	3.20 -	2.40	-	-
C	2.50 Test	0.0 Mounting De	1.5	- 1		1.68	
to the shake table u	DATTest	Mounting De			-	1.00	
to the shake table u		NUMBER OF STREET	etalis				0.00



UUT-8B

Test Report: 30827-1801 (Test Performed at DCL, Report by DCL); UUT-5B Model Line **Model Number** Manufacturer KD APM603: KD Small Pedestal Kohler **Product Construction Summary** Kohler APM603: KD Pedestal Small **Options / Subcomponent Summary** N/A **UUT** Properties Dimensions [in] Lowest Nat. Freq. [Hz] Weight [lbs] Width Height Length F-B S-S V 108 29.0 8.0 54.0 7.0 4.0 7.5 **UUT Highest Passed Seismic Run Information Building Code Test** Criteria S_{DS} z/h A_{RIG-V} I_P A_{FLX-H} A_{RIG-H} A_{FLX-V} 2.00 1.0 1.5 3.20 2.40 _ CBC 2022 ICC-ES AC156 2.50 0.0 1.5 1.68 0.68 _ **Test Mounting Details** UUT-8B was mounted to the interface fixture via attached C-channel with (4) 1/2" diameter Grade 8 bolts. The table interface fixture was mounted to (4) VMC Group MSSH-1E-825N spring isolators using (4) 3/4" Grade 8 bolts.





UUT-9A

Product	3: KD Large				Kohler			
	Construction	Summary				Kohler		
Options / S								
Options / S								
	ubcompone	nt Summar	у					
FOR	CODE	Col						
EQ F	JUT Properti	es						
Dimens	ions [in]		2	Lowes	st Nat. Freq	. [Hz]		
W NUMBER	idth	He	ight	F-B	S-S	V		
	30P-059	/	8.0	9.0	7.5	18.5		
UUT Highest Pas	<u>x </u>							
ria S _{DS}	han z/h ad	Karlm	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG}		
156 2.00	1.0 0.0	1.5 1.5	3.20	2.40	- 1.68	- 0.68		
	Mounting D	1/1/1		-	1.00	0.00		



UNIT UNDER TEST (UUT)

UUT-9B

Summary Sheet

VMC GROUP			-						
		Tes	t Report: 30	827-1801 (T	est Performe	ed at DCL, F	Report by DC	L); UUT-6B	
Model Line		М	odel Numb	er		Ν	Manufacturer		
KD		APM603	8: KD Large	Pedestal		Kohler			
		Product C	onstructio	n Summary		1			
Kohler APM603: KD Pe	destal Large								
		Options / Su	ubcompone	ent Summar	У				
N/A									
		OB	CODF						
		FON		(0)					
		U	UT Propert	ies					
Weight	L.S.	Dimensi	ons [in]			Lowest Nat. Freq. [Hz]			
[lbs]	Length	Width		Height		F-B	S-S	V	
135	30.0	Cl3	9P-059	4	8.0	9.0	4.0	5.5	
		Highest Pase	sed Seismi	c Run Infor	mation				
Building Code	Test <mark>Criter</mark> ia	BVS _{DS/OF}	an ^{z/h} ao	Karm	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}	
CBC 2022	ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-	
CDC 2022		2.50	0.0	1.5	-	-	1.68	0.68	
		Test	Mounting [Details					
JUT-9B was mounted to	o the interface fixture via	a attached C-	channel wit	h (4) 3/8" dia	ameter Grade	e 8 bolts. Th	e table interf	ace fixture	
	C Group MSSH-1E-825								
		<u>MANAN</u>		HAHD	4.				





UUT-11

			Test Rep	oort: 31445	-2001 (Test F	Performed at	t PEER, Rep	ort by DCL
Model Line)	Model Number				Manufacturer		
KD	KD KD610					Kohler		
		Product Co	onstruction	Summary				
Painted Carbon Steel S	Skid							
		Options / Su	=		-			
Engine, Radiator (Diese	el), Alternator, Controller,	12 VDC Bat	tery, Breake	r, Block He	ater, Skid Ba	ise, and Air	Filter	
		OR	CODF	Ca				
		FOR	JT Propertie	COA)				
Weight	, S ^a	Dimensio	A A A B B B A A TA A A A A A			Lowe	st Nat. Freq	. [Hz]
[lbs]	Length	Wid		He	ight	F-B	S-S	v
11,650	141.54		³ P-059		4.8	4.0	3.5	6.0
	UUT H	lighest Pass	sed Seismic	Run Infor	mation			<u> </u>
Building Code	Test Criteria	S∕S _{¤\$/∩h}	an ^{z/h} ad	Karlm	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2022	ICC-E <mark>S AC1</mark> 56	2.00	0.0	1.5	2.00	0.80	1.34	0.54
GBC 2022					-	-	-	-
		JA Test I	Mounting D	etails				
		NIA PI		KOHLE				
All units	were filled with contents	and maintain	ned structure	al integrity a	and functional	lity after AC-	-156 test	



UUT-12

			Test Re	port: 31445-:	2001 (Test F	Performed at	t PEER, Rep	ort by DCL)	
Model Line	el Line Model Number					Manufacturer			
KD		KD750					Kohler		
		Product C	onstruction	Summary					
Painted Carbon Steel S	kid, Aluminum Enclosure								
	(Options / Su	ubcompone	nt Summary	y				
	el), Alternator, Controller,	12 VDC Bat	ttery, Breake	er, Block Hea	ater, Skid Ba	se, Air Filter	r, Fuel Tank,	Louvers	
and Light Kit									
		0	CODE						
		FOR	CODE	CON					
		U	UT Properti	es					
Weight		Dimensi	ons [in]		5	Lowest Nat. Freq. [Hz]			
[lbs]	Length	Wie	dth	Height		F-B	S-S	v	
16,600	26 <mark>4.0</mark> 4	75	9P-059	1 3 ⁻	7.0	4.0	3.5	6.5	
		ighest Pass	sed Seismi	c Run Inform	nation				
Building Code	Test <mark>Criter</mark> ia	SVS _{DS/OF}	an <mark>z/h</mark> ad	Karlm	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}	
CBC 2022	ICC-ES AC156	2.00	0.0	1.5	2.00	0.80	1.34	0.54	
		ATE	00/20/0	2005	-	-	-	-	
	unted to the shake table u		Mounting D						
		VIA P		cor					
		17							
All units	were filled with contents :	and maintai	ned structur	al integrity a	nd functiona	lity after AC.	156 test		



UUT-13

Model Line		м	odel Numbe		-2301 (Test F		anufacture	-		
KD		KD2500								
٨D							Kohler			
			onstruction	Summary						
iinted Carbon Steel Sk	kid, Aluminum Enclosure	9								
			_							
alaauna Euslaniatan O		Options / Su	=		-		al. Mataria	ad Aire Iral		
	Separator, Block Heater, Air Inlet (Galvanized), Au						ack, iviolorizo	ed Air ini		
,,				,	, , ,					
		FOR	CODE	Co						
		0	JT Propertie							
Mainht	A.	Dimensi		15		Lower	st Nat. Freq	[47]		
Weight [lbs]	Length	Wie		Hei	ight	F-B	S-S	V		
70,500	137.0		D.D_050	163.0		3.0	2.5	6.0		
		lighest Pase	JI UUU	T		0.0	2.0	0.0		
Building Code	Test Criteria	SVS _{DS/OF}	z/h	Karl	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-\}		
		1.75	1.0	1.5	2.80	2.10	-	-		
CBC 2022	ICC-ES AC156	2.00	0.0	1.5	-	-	1.34	0.54		
I		JA Test	Mounting D	etails	N N					
ame with (10) VMC M2	nted to the shake table SSH-1e-6500N and (2) was attached to each is	VMC M2SSH	H-1E-5980N 1) 3/4 Grade	spring isola						
		KOHLE	R. Di							

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

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UUT-13A

Test Report: 23739-2401 (Test Performed at DCL, Report by DCL) Model Line **Model Number** Manufacturer KD **Topstart Series** PTI **Product Construction Summary** Painted Carbon Steel Mounting Brackets **Options / Subcomponent Summary** Block Heater **UUT Properties** Dimensions [in] Lowest Nat. Freq. [Hz] Weight [lbs] Width Height Length F-B S-S V 10.5 35 17.8 20.1 27.0 8.5 27.0 **UUT Highest Passed Seismic Run Information Building Code Test** Criteria S_{DS} z/h A_{RIG-V} Ip. A_{FLX-H} A_{RIG-H} A_{FLX-V} 1.75 1.0 1.5 2.80 2.10 CBC 2022 ICC-ES AC156 2.00 0.0 1.5 1.34 0.54 _ Test Mounting Details UUT-13a was base mounted to shake table fixture brackets using (2) manufacturer-provided 0.14" thick steel mounting brackets. Manufacturer-provided mounting brackets were attached to the unit using (4) M8 Grade 8.8 hardware. The manufacturer-provided

mounting brackets were attached to shake table fixture brackets using (4) M10 Grade 8.8 hardware.





UUT-13B

Test Report: 23739-2401 (Test Performed at DCL, Report by DCL) Model Line **Model Number** Manufacturer KD **Topstart Series** PTI **Product Construction Summary** Painted Carbon Steel Mounting Brackets **Options / Subcomponent Summary** Block Heater **UUT Properties** Dimensions [in] Lowest Nat. Freq. [Hz] Weight [lbs] Width Height Length F-B S-S V 10.5 35 17.8 20.1 6.5 5.0 6.0 **UUT Highest Passed Seismic Run Information Building Code Test** Criteria z/h A_{FLX-H} A_{RIG-H} A_{FLX-V} A_{RIG-V} S_{DS} J_P 1.75 1.0 1.5 2.80 2.10 _ CBC 2022 ICC-ES AC156 2.00 0.0 1.5 1.34 0.54 _ _ Test Mounting Details UUT-13b was base mounted to shake table fixture brackets using (2) manufacturer-provided 0.14" thick steel mounting brackets. Manufacturer-provided mounting brackets were attached to the unit using (4) M8 Grade 8.8 hardware. The manufacturer-provided

mounting brackets were attached to shake table fixture brackets using (4) M10 Grade 8.8 hardware. The shake table interface plate was attached to the shake table using VMC MSSH-1E spring isolators.







UUT-14

			Test Re	port: 32366-	-2401 (Test F	Performed at	CERL, Rep	ort by DCL)
Model Line Model Number						Ν	lanufacture	۶r
KD KD3250						Kohler		
		Product Co	onstruction	Summary				
Painted Carbon Steel S	kid							
		Options / Su			у			
Fuel/Water Separator, E	Block Heater, Air Filter, A	lternator, Ra	diator, Engi	ne				
		OP	CODE					
		FUN		CON				
	K		JT Properti	es				
Weight		Dimensio			4	Lowest Nat. Freq. [Hz]		
[lbs]	Length	Wic		Height		F-B	S-S	V
61,870	297.0		<u> 39-059</u>		6.0	4.0	2.0	6.0
		lighest Pass	1XAXAXAXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			•	•	
Building Code	Test Criteria	SVS _{DS/Oh}	an <mark>z/h</mark> ad	Karlm	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2022		1.75 2.00	1.0 0.0	1.5	2.80	2.10	- 1.34	-
			0.0 Mounting D	1.5		-	1.34	0.54
III IT 14 was isolated up	ing (18) VMC Group M2					ra connecto	d to the equ	inmont
						INEST		
All units	were filled with contents	and maintair	ned structur	al integrity a	nd functiona	lity after AC-	156 test.	