

DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

APPLICATION FOR HCAI SPECIAL SEISMIC	OFFICE USE ONLY
CERTIFICATION PREAPPROVAL (OSP)	APPLICATION #: OSP-0269
HCAI Special Seismic Certification Preapproval (OSP)	
Type: New X Renewal	
Manufacturer Information	
Manufacturer: Dynamic Air Quality Solutions	
Manufacturer's Technical Representative:	
Mailing Address: P.O. Box 1258, Princeton, NJ 08542	
Telephone: (800) 578-7873 Email: jkramer@dynam	icaqs.com
FORCODECO	1
Product Information	MD,
Product Name: Air Conditioning Units	1 And
Product Type: Air Filters	Z
Product Model Number: See table 1 of attachment	— —
General Description: The filter pads of the air cleaner are a patented con seals securely between the hinged aluminum frame applications.	nbination of medias, bonded together in a frame that es of the module. Used in rigid base mounted HVAC
Mounting Description: Units were stacked in the test structure. Top and be each unit's flanges were fastened to vertical support	ottom of stack were fastened to horizontal frames, rt frame on both sides.
Tested Seismic Enhancements: None	
Applicant Information	0 ⁺
Applicant Company Name: VMC Group	
Contact Person: John Giuliano	
Mailing Address: 113 Main Street, Bloomingdale, NJ 07403	
Telephone: (973) 838-1780 Email: john.giuliano@th	evmcgroup.com
Title: President	

"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"

OSP-0269

HCA



DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

California Licensed Structural Engineer Respons	sible 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 X ICC-ES AC156	□ IEEE 344 □ IEEE 693 □ NEBS 3
Other (Please Specify):	
FOR	CODE
Testing Laboratory	Mp.
Company Name: Versatile Measuring Instruments	
Contact Person: Sherwin Jamisola	
Mailing Address: 165 Pony Drive, Newmarket ON L3Y7E	25F-0209
Telephone: (905) 954-0841	cwnc@curtisswright.com
DATE:	09/26/2022
RATA	
B	JILDING

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STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY



DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

Seismic Parameters

n Basis of Equipment or Components	(Fp/Wp) = 1.87		
SDS (Design spectral response accele	eration at short period, g) = 2.49		
ap (Amplification factor) =	2.5		
Rp (Response modification factor) =	6.0		
Ω_0 (System overstrength factor) =	2.0		
Ip (Importance factor) =	1.5		
z/h (Height ratio factor) =	1		
Natural frequencies (Hz) =	See Attachment		
Overall dimensions and weight =	See Attachment ODF		
5	NED		
Approval (For Office Use Only)	Approval Expires on 09/26/202	87	
9/26/2022	OSP-0269	F	
e: Timothy Piland	DV: Timesthus, I. Dilaural	Title:	Senior Structural Engineer
al Seismic Certification Valid Up to: St	ps(g) = 2.49	z/h =	1
tion of Approval (if applicable):	DATE: 09/26/2022	6	
		102	
	PRIMA BUILDING CO	St.	
	In Basis of Equipment or Components SDS (Design spectral response acceler a_p (Amplification factor) = R_p (Response modification factor) = Ω_0 (System overstrength factor) = l_p (Importance factor) = z/h (Height ratio factor) = Natural frequencies (Hz) = Overall dimensions and weight = I Approval (For Office Use Only) - g/26/2022 e: Timothy Piland al Seismic Certification Valid Up to: Station of Approval (if applicable):	In Basis of Equipment or Components $(F_p/W_p) = 1.87$ SDS (Design spectral response acceleration at short period, g) = 2.49 ap (Amplification factor) = 2.5 Rp (Response modification factor) = 6.0 Ω_0 (System overstrength factor) = 2.0 lp (Importance factor) = 1.5 z/h (Height ratio factor) = 1 Natural frequencies (Hz) = See Attachment Overall dimensions and weight = See Attachment Overall dimensions and weight = See Attachment Approval (For Office Use Only) - Approval Expires on 09/26/202 s: Timothy Piland al Seismic Certification Valid Up to: SDS (g) = 2.49 ition of Approval (if applicable):	nn Basis of Equipment or Components (Fp/Wp) = 1.87 SDS (Design spectral response acceleration at short period, g) = 2.49 ap (Amplification factor) = 2.5 Rp (Response modification factor) = 6.0 Ω0 (System overstrength factor) = 2.0 lp (Importance factor) = 1.5 z/h (Height ratio factor) = 1 Natural frequencies (Hz) = See Attachment Overall dimensions and weight = See Attachment Approval (For Office Use Only) - Approval Expires on 09/26/2028 Title: g/26/2022 OSP-0269 e: Timothy Piland al Seismic Certification Valid Up to: Sbs (g) = 2.49 Difference DATE: 09/26/2022 DATE: 09/26/2022

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Medel Number	Dimensional Data [in]				Weight	11117	
woder Number	Depth	Width	Height		[lbs]	001	
1V8-2612-24-X-XX	24	26	12	13 & 14	39	Extrapolated	
1V8-2612-29.5-F	29.5	26	12	13	47	UUT-1	
1V8-2612-29.5-X-XX	29.5	26	12	13 & 14	47	Interpolated	
1V8-3012-24-X-XX	24	30	12	13 & 14	42	Interpolated	
1V8-3012-29.5-X-XX	29.5	30	12	13 & 14	50	Interpolated	
1V8-3412-24-X-XX	24	34	12	13 & 14	47	Interpolated	
1V8-3412-29.5-X-XX	29.5	34	12	13 & 14	55	Interpolated	
1V8-3812-24-X-XX	24	38	12	13 & 14	47	Interpolated	
1V8-3812-29.5-X-XX	29.5	38	12	13 & 14	55	Interpolated	
1V8-3912-24-X-XX	24	39	12	13 & 14	50	Interpolated	
1V8-3912-29.5-X-XX	29.5	39	12	13 & 14	58	Interpolated	
1V8-4312-24-X-XX	24	43	12	13 & 14	57	Interpolated	
1V8-4312-29.5-X-XX	29.5	43	12	13 & 14	65	Interpolated	
1V8-4812-24-X-XX	24	48	0012	13 & 14	59	Interpolated	
1V8-4812-29.5-X-XX	29.5	48	12	13 & 14	67	Interpolated	
1V8-2618-24-X-XX	24	26		13 & 14	58	Interpolated	
1V8-2618-29.5-X-XX	29.5	26	18	13 & 14	70	Interpolated	
1V8-3018-24-X-XX	24	30	18	13 & 14	63	Interpolated	
1V8-3018-29.5-X-XX	29.5	30	18	13 & 14	75	Interpolated	
1V8-3418-24-X-XX	24	34.JSF	2-0289	13 & 14	69	Interpolated	
1V8-3418-29.5-X-XX	29.5	34	18	13 & <mark>14</mark>	81	Interpolated	
1V8-3818-24-X-XX	24	_38	18	13 & 14	71	Interpolated	
1V8-3818-29.5-X-XX	29.5	38 nour	y J. 18 land	13 & 14	83	Interpolated	
1V8-3918-24-X-XX	24	39	18	13 & <mark>14</mark>	75	Interpolated	
1V8-3918-29.5-X-XX	29.5	AT39. 00	1/2618022	13 & 14	87	Interpolated	
1V8-4318-24-X-XX	-24	43	18	13 & 14	81	Interpolated	
1V8-4318-29.5-X-XX	29.5	43	18	13 & 14	93	Interpolated	
1V8-4818-24-X-XX	24	48	18	<mark>13 & 1</mark> 4	87	Interpolated	
1V8-4818-29.5-F	29.5	48	18	13	99	UUT-2	
1V8-4818-29.5-X-XX	29.5	48	18	13 & 14	99	Interpolated	

Table 1 - Certified Components - Air Cleaners

Notes: X- Indicates downstream or upstream side for service access; XX- Indicates filter media

Table 2 - Certified Subcomponents - Control Panel

Madel Number ¹ Dimensional Data [in]				Input Voltage	Rating	Weight	шт
Model Number	Depth	Width	Height	[V]	[VA]	[lbs]	001
CP-75-X	6.3	15.7	11.7	120	75	15	UUT-3

¹ X is defined by input voltage (options: 120, 208, 240, 277, and 480), tested input voltage was 120V, only difference between input voltage options is wiring





UNIT UNDER TEST (UUT) Summary Sheet

UUT-1

						Test	Report: REP	T-33300-01	
Model Line		Ν	lodel Numb	er		Ν	lanufacture	er	
V8 High Efficiency Air Cleaner 1V8-2612-29.5-F							Dynamic Air Quality Solutions		
	ł	Product C	Construction	Summary					
Filter pads of the air cleane frame of the module. Galva pads per nominal 12" of he	er are a patented combina anized steel screeens cov ight. 24VAC is used to po	tion of medias, er each filter pa larize fibers in	bonded toget ad and filter pa the media and	her in a frame ds are conne airborne con	e that seals se ected with a ga ataminants.	curely betwee lvanized steel	n the hinged a frame. The u	aluminum nit has (4)	
Control Panel		Options / S	ubcompone	nt Summar	У				
		FOR	CODE	COA					
		U	UT Properti	es		-			
Weight		Dimens	ions [in]			Lowest Nat. Freq. [H		. [Hz]	
	Length	W		He	light	F-B	S-S	V	
47	29.5	Highest Pag		P. Pup Infor	2.0	N/A	N/A	N/A	
Building Code	Test Criteria	Ingliest Pas				Δ	Δ	Δοιοικ	
		2 49	pth ý 'U. F 1 0	ilan 'i 15	3.98	2 99	2 66	1 99	
CBC 2019	ICC-E <mark>S AC1</mark> 56				-	-	-	-	
		DAITest	Mounting D	etails	10			1	
screws per unit with a m on the backside through	the horizontal mount unterpresentation of the horizontal mount of the horizont	er vertical men ng flanges us	nber (12 tota ing (2) #10 x	I). The mult 1" self tapp	iple rows of a ing screws (a	air cleaners of 4 total).	were fastene	ed together	

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 I	Report: REF	T-33300-0	
Model Line		Model Numb	er		Ν	Manufacture	er	
V8 High Efficiency Air Cleaner 1V8-4818-29.5-F						Dynamic Air Quality Solutions		
		Product Construction	Summary	,				
Filter pads of the air cleane rame of the module. Galva	er are a patented combin anized steel screeens co	ation of medias, bonded toget ver each filter pad and filter pa	her in a fram Ids are conne	e that seals se ected with a ga	curely betwee lvanized steel	n the hinged a frame. The u	aluminum nit has (4)	
ads per nominal 12 of he	ignt. 24VAC is used to p	Ontions / Subcompone	nt Summa	ntaminants. rv				
Control Panel		options / oubcompone	int Guinna	y				
		FORCODE	COL					
		UUT Properti	es	0				
Weight	Ly Ly	Dimensions [in]		4	Lowest Nat. Freq. [H;		. [Hz]	
[lbs]	Length	Width	He	eight	F-B	S-S	V	
99	29.5	(48:0P-02)	59 1	8.0	N/A	N/A	N/A	
	00	T Highest Passed Seismi	c Run Infor	mation	1	1		
Building Code	Test Criteria	BY ^S osimpthy ^{z/h} J. F	ilan d	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}	
CBC 2019	ICC-E <mark>S AC1</mark> 56	2.49 1.0	1.5	3.98	2.99	2.66	1.99	
		DATE: 09/26/2	2022		-	-	-	
er unit with a minimum ackside through the ho	of 3 screws per vertic prizontal mounting flar	cal member (12 total). The iges using (2) #10 x 1" self	multiple row tapping scr	vs of air clear ews (2 total).	hers were fas	stened toget	her on the	

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: REPT-33300-01 Model Line **Model Number** Manufacturer V8 High Efficiency Air Cleaner CP 75-120 **Dynamic Air Quality Solutions Product Construction Summary** Plastic enclosure **Options / Subcomponent Summary** N/A **UUT** Properties Dimensions [in] Lowest Nat. Freq. [Hz] Weight [lbs] Length Width Height F-B S-S V 15 6.3 15.7 P-11.7 N/A N/A N/A UUT Highest Passed Seismic Run Information **Building Code** Test Criteria SDS z/h $\mathbf{A}_{\mathsf{RIG-H}}$ $\mathbf{A}_{\mathsf{FLX-V}}$ $\mathbf{A}_{\mathsf{RIG-V}}$ I_{PI} A_{FLX-H} 2.49 1.0 1.5 3.98 2.99 1.99 2.66 CBC 2019 ICC-ES AC156 _ _ Test Mounting Details UUT-3 was mounted directly to the framing member using (2) #8x1/2" self tapping screws on each corner (8 total). UUT-3 (Backside)

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