

CERTIFICATE OF COMPLIANCE

WIND RESISTANT DESIGN OF NONSTRUCTURAL COMPONENTS AND SYSTEMS



Certification No.

VMA-54559-01C (Revision 01)

Expiration Date: 09/30/2028

Certification Parameters:

The nonstructural products containing non-active components, listed on this certificate are CERTIFIED¹ FOR WIND APPLICATIONS in accordance with the following building code³ releases.

IBC 2021, 2018

The following model designations, options, and accessories are included in this certification. Reference report number **VMA-54559-01** as issued by VMC Group for a complete list of certified models, included accessories/options, and certified installation methods.

Cummins; C250D6EB, C275D6EB, C300D6EB Aluminum Enclosures Phoenix Aluminum Horizontal & Vertical Discharge Enclosures; SL2 & Weather

The above referenced non-active components equipment is **APPROVED** for wind application when properly installed², used as intended, and contains a Wind Certification Label referencing this Certificate of Compliance. Installations in essential facilities, for life safety applications, and/or of equipment containing hazardous contents are permitted and included in this certification with an Equipment Importance Factor assigned as $I_p=1.15$. The equipment is qualified by ISO Accredited Product Certification Agency, VMC Group via structural analysis of worst-case representative sample of certified product.

Certified Wind Resistant Design Levels			
Certified IBC	Importance $I_p \leq 1.15$ Exposure Categories A-D Risk Categories I-IV	$V \leq 180$ mph $V \leq 80$ m/s	$V \leq 124$ mph $V \leq 55$ m/s
		$z \leq 15$ ft $z \leq 5$ m	$z \leq 500$ ft $z \leq 152$ m
		Pressure Basis ⁴	$\frac{F_h}{A_f} = q_z G C_f =$ 113.9 lbs/ft² kPa

Note: The qualified wind design level stated is the highest for all models this certificate covers. For more information, see certified product tables on page 2.

Certified Wind Resistant Installation Methods
Rigid Mounting From Unit Base to Rigid Structure

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Certified Product Table:

Applicable Genset	Feature Code (120 mph)	Feature Code (180 mph)	Configuration	Type	Material	Dimensions [in]			Max Weight (lbs)
						Length	Width	Height	
C250D6EB, C275D6EB, C300D6EB	F282-2	F205-2	Vertical Discharge	SL2	Aluminum	183	57	85	2,112
			Horizontal Discharge			205	57	85	2,293
		F203-2	Vertical Discharge	Weather		183	57	85	1,956
			Horizontal Discharge			205	57	85	2,137

IBC		2021, 2018		
ASCE		7-16		
Exposure Category		B	C	D
Velocity ⁵ (mph)	Z ≤ 15 ft	146	120	109
	Z = 200 ft	101	91	87
	Z ≤ 500 ft	88	83	80

Applicable for 120mph Enclosure Design

IBC		2021, 2018		
ASCE		7-16		
Exposure Category		B	C	D
Velocity ⁵ (mph)	Z ≤ 15 ft	219	180	163
	Z = 200 ft	151	137	130
	Z ≤ 500 ft	132	124	120

Applicable for 180mph Enclosure Design



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Notes and Comments:

1. The following building codes are addressed under this certification:

IBC 2021 – referencing ASCE 7-16
IBC 2018 – referencing ASCE 7-16
2. Refer to the manufacturer supplied installation drawings for anchor requirements and mounting considerations for wind applications. Required anchor locations, size, style, and load capacities (tension and shear) are specified on the installation drawings. Mounting requirement details such as anchor brand, type, embedment depth, edge spacing, anchor-to-anchor spacing, concrete strength, special inspection, wall design, and attachment to non-building structures must be outlined and approved by the Engineer of Record for the project or building. Structural walls, structural floors, and housekeeping pads must also be sufficiently designed and approved by the project or building Structural Engineer of Record to withstand the wind anchor loads as defined on the installation drawings. The installing contractor is responsible for observing the installation detailed in the wind installation drawings and the proper installation of all anchors and mounting hardware.
3. For this certificate to remain valid, it must correspond to the "Wind Certification Label" found affixed to the unit by the factory. The label ensures the manufacturer built the unit in conformance to the IBC wind design criteria set forth by the Product Certification Agency, The VMC Group, and meets the wind design levels claimed by this certificate.
4. The qualified wind design pressure stated is for the horizontal wind pressure for applications utilizing ASCE 7-16, for more detailed ranges of qualified wind design levels, see the report cited on Page 1. This wind design pressure utilizes LRFD load combinations.
5. Design velocity (highlighted in yellow) was chosen based on the corresponding ASCE 7 wind map. Other velocities were derived from the design pressure resulting from the design velocity.
6. Mechanical, Electrical, and Plumbing connections to the equipment must be flexibly attached as to not transfer load through the connection. The structural integrity of any conduit, cable trays, piping, ductwork and/or flexible connections is the responsibility of others. This certification does not guarantee the equipment will remain compliant to UL or NEMA standards after a wind action.
7. This certificate applies to units manufactured at

Cummins Power Generation, Inc, 1400 73rd Ave NE, Minneapolis, MN 55432
8. This project follows VMC Group's ISO-17065 Scheme for Product Certification of Nonstructural Components.



John P. Giuliano, PE
President, The VMC Group



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