



VMC GROUP
THE POWER OF TOGETHER™



CERTIFICATE OF COMPLIANCE

SEISMIC DESIGN OF NONSTRUCTURAL COMPONENTS AND SYSTEMS



Certification No.

VMA-54429-01C (Revision 0)

Expiration Date: 08/31/2026

Certification Parameters:

The nonstructural products listed on this certificate are CERTIFIED¹ FOR SEISMIC APPLICATIONS in accordance with the following building code³ releases.

IBC 2021, 2018, 2015, 2012

The following model designations, options, and accessories are included in this certification. Reference report number **VMA-54429-01** as issued by VMC Group for a complete list of certified models, included accessories/options, and certified installation methods.

**Johnson Controls; Rooftop Units
Select Package RTUs; 27.5 -50 Ton**

The above referenced equipment is **APPROVED** for seismic application when properly installed⁴, used as intended, and contains a Seismic Certification Label referencing this Certificate of Compliance. Approval is limited by the tabulated values, below grade, grade, and roof-level installations as shown in the chart below. Equipment Importance Factor assigned is $I_p=1.0$. The equipment is qualified by detailed analysis of worst-case representative sample of certified product, by the ISO Accredited Product Certification Agency, the VMC Group.

Certified Seismic Design Levels			
Certified IBC	Importance $I_p \leq 1.0$ Soil Classes A-E Risk Categories I-IV Design Categories A-F	$z/h = 1.0$	$z/h \leq 0.0$
		$S_{DS} \leq 1.17$	$S_{DS} \leq 1.17$

Certified Seismic Installation Methods

Directly to Rigid Curb/Rail

HEADQUARTERS
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Bloomington, NJ 07403
Phone: 973.838.1780
Toll Free: 800.569.8423
Fax: 973.492.8430

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Certified Product Table:

Model	Model Number	Nominal Cooling Capacity [Tons]	Basera il Depth [in]	Basera il Width [in]	Height [in]	Operating Weight [lbs]
Select / Sun Select / OmniSelect / Relia Select / Optimum Select	xx28xxxxxxxxxxxxx	28	180	90	70	5,002
	xx30xxxxxxxxxxxxx	30				5,430
	xx35xxxxxxxxxxxxx	35				
	Xx40xxxxxxxxxxxxx	40	232		77	6,220
	Xx50xxxxxxxxxxxxx	50				6,787

Note: Contact manufacturer for model number nomenclature of certified units.



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Notes and Comments:

1. Worst case representative sample from all **Rooftop Units** listed herein was selected for analysis. It was analyzed using seismic loading criteria for non-structural components as set forth in the ASCE 7 chapter 13. The analyzed **Rooftop Units** cited in this certification was a representative sample(s) of a contingent of models and based on the analysis of selected **Rooftop Units**, all other listed sizes are deemed structurally sound to resist mentioned seismic criteria. Although a seismically certified **Rooftop Units** inherently contains some wind resisting capacity, that capacity is undetermined and is excluded from this certification. Snow/Ice loads have been neglected and thus limit the **Rooftop Units** to be installed both indoors (covered by an independent protective structure) and out of doors (exposed to accumulating snow/ice) for ground snow loads no greater than 30 psf for all applications.
2. Equipment mounted on top of certified **Rooftop Units** are not covered under this certification. Weight of equipment supported on **Rooftop Units** should not exceed weight listed in the certified product table.
3. The following building codes are addressed under this certification:
 - IBC 2021 – referencing ASCE7-16
 - IBC 2018 – referencing ASCE7-16
 - IBC 2015 – referencing ASCE7-10
 - IBC 2012 – referencing ASCE7-10
4. Refer to the manufacturer supplied installation drawings for anchor requirements and mounting considerations for seismic applications. Required anchor locations, size, style, and load capacities (tension and shear) may be specified on the installation drawings or specified by a 3rd party. 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 floors, and housekeeping pads must also be seismically designed and approved by the project or building Structural Engineer of Record to withstand the seismic anchor loads as defined on the installation drawings. The installing contractor is responsible for observing the installation detailed in the seismic installation drawings and the proper installation of all anchors and mounting hardware.
5. Where applicable, Mechanical, Electrical, and Plumbing connections to the equipment supported by **Rooftop Units** 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 **Rooftop Units** will remain compliant to NEMA, IP, UL, or CSA standards after a seismic event.
6. This certificate applies to **Rooftop Units** manufactured at:
Johnson Controls, 5005 York Drive, Norman, OK, 73069

John P. Giuliano, PE
President, The VMC Group

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