VMC GROUP
THE POWER OF TOGETHER™

KOHLER®

CERTIFICATE OF COMPLIANCE
SEISMIC DESIGN OF NONSTRUCTURAL COMPONENTS AND SYSTEMS

Certification No.

VMA-46550-01C (Revision 12)

Expiration Date: 10/31/2025

Certification Parameters:

The nonstructural products (mechanical and/or electrical components) listed on this certificate are CERTIFIED[1] FOR SEISMIC APPLICATIONS in accordance with the following building code[2] releases.

IBC 2021, 2018, 2015, 2012, 2009

The following model designations, options, and accessories are included in this certification. Reference report number VMA-46550-01 as issued by VMC Group for a complete list of certified models, included accessories/options, and certified installation methods.

Kohler; Automatic Transfer Switches
KCx, KSS, KBx, KEP MCCB, KUx; 30 - 4000 Amps

The above referenced equipment is **APPROVED** for seismic application when properly installed[3], used as intended, and contains a Seismic Certification Label referencing this Certificate of Compliance[4]. As limited by the tabulated values, below grade, grade, and roof-level installations, 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=1.5. The equipment is qualified by successful seismic shake table testing at the nationally recognized University of California Berkeley Pacific Earthquake Engineering Research Center, National Technical Solutions Longmont (formerly Sun APT), National Technical Solutions Huntsville (formerly Wyle Labs), and Dynamic Certification Laboratories under the witness of the ISO Accredited Product Certification Agency, the VMC Group.

Certified Seismic Design Levels[8]			
Certified **IBC**	**Importance $I_p \leq 1.5$** Soil Classes A-E Risk Categories I-IV Design Categories A-F	z/h ≤ 1.0	z/h = 0.0
		$S_{DS} \leq 2.000$ g	$S_{DS} \leq 2.000$ g

The qualified seismic design level stated is the lowest for all series this certificate covers. For more information, see the certified product tables on page 2.

Certified Seismic Installation Methods[9]	
Rigid Mounting From Unit Base To Rigid Structure	Directly To Structural Wall

HEADQUARTERS
113 Main Street
Bloomingdale, NJ 07403
Phone: 973.838.1780
Toll Free: 800.569.8423
Fax: 973.492.8430

CALIFORNIA
180 Promenade Circle
Suite 300
Sacramento, CA 95834
Phone: 916.634.7771

TEXAS
11930 Brittmoore Park Drive
Houston, TX 77041
Phone: 713.466.0003
Fax: 713.466.1355

thevmcgroup.com

VMC GROUP
THE POWER OF TOGETHER™

KOHLER®

CERTIFICATE OF COMPLIANCE

SEISMIC DESIGN OF NONSTRUCTURAL COMPONENTS AND SYSTEMS

Certified Product Table:

Model	Amp Range	NEMA 1	NEMA 3R	NEMA 4	NEMA 4X	NEMA 12	Configuration	Installation Method	Max Weight [lbs.]
KCS, KSS	30 - 230	X	X	X	X	X	Non-Bypass (Standard Connection)	Wall Mounted	123
	600 - 1200							Base Mounted	770
KCS	1600 - 4000			N/A	N/A	N/A			3,357
KCP / KCC	150 - 1200			X	X	X			770
	1600 - 4000			N/A	N/A	N/A			3,357
KCS / KCP / KCC	1600 - 2000						Non-Bypass (Front Connected)		733
KBS / KBP / KBC	150 - 4000						Bypass		6,500
KEP MCCB	100 - 800			X	X	X	Service Entrance (Molded Case Circuit Breaker)	Wall Mounted	349
	1000 - 1200							Base Mounted	595
KUS / KUP	70 - 225						Non-Bypass (Standard Connection)	Wall Mounted	200
	150 - 1200							Base Mounted	1,070
	1600 - 4000			N/A	N/A	N/A			4,255

An "X" denotes that the given NEMA enclosure is available as a certified option, whereas the "N/A" denotes the given NEMA enclosure is not available as a certified option.

Model	Type	S_{DS} (z/h=0)	S_{DS} (z/h=1)	A_{Flex-H}	A_{Rig-H}	A_{Flex-V}	A_{Rig-V}	F_p/W_p
KCx, KSx, KUx	AC156	2.50	2.00	3.20	2.40	1.68	0.68	1.50
KBx, KEP MCCB		2.00				1.33	0.53	

This certification includes the product and factory supplied accessories and options. The product and included accessories and options shall be a catalogue design and factory supplied. The product shall be installed and attached to the building structure per the manufacturer supplied seismic installation instructions. For a list of certified configurations and options please directly contact the manufacturer. This certification excludes all non-factory supplied accessories, including but not limited to enclosures, isolation/restraint devices, remote control panels, mounting brackets, and other electrical/mechanical components.

IBC CERTIFIED VMC GROUP

VMA-46550-01C (Revision 12)
Issue Date: Sunday, November 3, 2013
Revision Date: Friday, July 12, 2024
Expiration Date: Friday, October 31, 2025

CERTIFICATE OF COMPLIANCE

SEISMIC DESIGN OF NONSTRUCTURAL COMPONENTS AND SYSTEMS

Notes & Comments:

1. All equipment listed herein successfully passed the seismic acceptance criteria for shake testing non-structural components and systems as set forth in the ICC AC-156. The Test Response Spectrum (TRS) enveloped the Required Response Spectrum (RRS) for all units tested. The tested units were representative sample(s) of a contingent of models and all remained captive and structurally sound after the seismic shake simulation. The units also remained functionally operational after the simulation testing as functional testing was completed by the equipment manufacturer before and after the seismic simulations. Although a seismic qualified unit 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 unit 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. The following building codes are addressed under this certification:
   IBC 2021 referencing ASCE7-16 and ICC-ES AC-156
   IBC 2018 referencing ASCE7-16 and ICC-ES AC-156
   IBC 2015 referencing ASCE7-10 and ICC-ES AC-156
   IBC 2012 referencing ASCE7-10 and ICC-ES AC-156
   IBC 2009 referencing ASCE7-05 and ICC-ES AC-156

3. 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 walls, 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 ensuring the proper installation of all anchors and mounting hardware.

4. For this certificate and certification to remain valid, this certificate must correspond to the "Seismic Certification Label" found affixed to the unit by the factory. The label ensures the manufacturer built the unit in conformance to the IBC seismic design criteria set forth by the Certified Seismic Qualification Agency, the VMC Group, and meets the seismic design levels claimed by this certificate.

5. 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 makes no statements of compliance in regards to NEMA, IP, UL, CSA, or other relevant standards after a seismic event. For compliance to other relevant standards, please contact the manufacturer.

6. This certificate applies to units manufactured at:
   200 Twin Oaks Rd, Kohler, WI 53044

7. This certification follows the VMC Group's ISO-17065 Scheme.

8. The qualified seismic design level stated is the lowest for all series this certificate covers. For more information, see the certified product tables on page 2.

9. The certified seismic installation methods stated are a summary for all product lines this certificate covers. For individual certified seismic installation methods, see the certified product tables.

John P. Giuliano, PE
President, VMC Group

VMA-46550-01C (Revision 12)
Issue Date: Sunday, November 3, 2013
Revision Date: Friday, July 12, 2024
Expiration Date: Friday, October 31, 2025