KOHLER.

Models: 20RCA(L)

Multi-Fuel
LPG/Natural Gas

ISO 9001 KOHLER
NATIONALLY REGISTERED

The Kohler® Advantage

- **High Quality Power**
  Kohler home generators provide advanced voltage and frequency regulation along with ultra-low levels of harmonic distortion for excellent generator power quality to protect your valuable electronics.

- **Extraordinary Reliability**
  Kohler is known for extraordinary reliability and performance and backs that up with a premium 5-year or 2000 hour limited warranty.

- **Powerful Performance**
  Exclusive Powerboost™ technology provides excellent starting power. §

- **Aluminum Enclosure**
  - Attractive aluminum enclosure allows installation as close as 18 inches from your home or small business. †
  - Enclosure panels can be removed without tools to allow easy access for maintenance and service.

Standard Features

- **RDC2 Controller**
  - One digital controller manages both the generator set and transfer switch functions (with optional Model RXT).
  - Electronic speed control responds quickly to varying demand.
  - OnCue® Plus Generator Management System for remote monitoring is included with the generator.

- **Kohler Command PRO Engine Features**
  - Kohler Command PRO® OHV engine with hydraulic valve lifters for reliable performance without routine valve adjustment or lengthy break-in requirements.

- **Designed for Easy Installation**
  - Sturdy aluminum base can be mounted on gravel or a concrete mounting pad.
  - Fuel and electrical connections through the enclosure wall eliminate the need for stub-ups through the base.
  - Customer connection terminal block located near the controller allows easy access for field wiring.
  - Designed for outdoor installation only.

- **Certifications**
  - Meets emission regulations for U.S. Environmental Protection Agency (EPA) with both natural gas and LPG.
  - UL 2200/cUL listed (60 Hz model).
  - CSA certification available (60 Hz model).
  - Accepted by the Massachusetts Board of Registration of Plumbers and Gas Fitters.
  - Meets 181 mph wind rating.

- Approved for stationary standby applications in locations served by a reliable utility source.

- 20RCAL models packaged with a Model RXT automatic transfer switch are available. See page 4 and the Model RXT ATS specification sheet.

- **Warranty**
  - 5-year/2000 hour limited warranty for on-grid (standby) applications in locations served by a reliable utility source.

Generator Ratings

| Alternator | Voltage | Phase | Hz | Standby Ratings | | | | Line Circuit Breaker | |
| | | | | Natural Gas | | LPG | | | |
				kW/kVA	Amps	kW/kVA	Amps	Amps	Poles
2F7	120/240	1	60	18/18	75	20/20	83	100	2
2G7	120/208	3	60	17/21	58	17/21	58	70	3
	120/240	3	60	17/21	51	17/21	51	60	3
	277/480	3	60	17/21	26	17/21	26	30	3

Note: The line circuit breaker is automatically selected based on the generator set model and voltage configuration.

RATINGS: Standby ratings apply to installations served by a reliable utility source. All single-phase units are rated at 1.0 power factor. The standby rating is applicable to variable loads with an average load factor of 80% for the duration of the power outage. No overload capacity is specified at this rating. Ratings are in accordance with ISO-3046/1, BS5514, AS2789, and DIN 6271. GENERAL GUIDELINES FOR DERATING: *ALTITUDE*: Derate 4% per 305 m (1000 ft.) elevation above 153 m (500 ft.). *TEMPERATURE*: Derate 2% per 5.5°C (10°F) temperature increase above 16°C (60°F). Availability is subject to change without notice. The generator set manufacturer reserves the right to change the design or specifications without notice and without any obligation or liability whatsoever. Contact your local Kohler Co. generator distributor for availability.

§ Check the appliance manufacturer's specifications for actual power requirements. Consult a Kohler® Power Systems professional to calculate your exact residential power system requirements.

† Meets NFPA guidelines for 18 inch clearance to combustible materials. Check state and local codes for minimum distance required from a structure.

Alternator Specifications

Alternator Specifications

Specifications	Alternator
Manufacturer	Kohler
Type	2-Pole, Rotating Field
Leads, quantity	
2F7	4
2G7	12
Voltage regulator	Digital
Insulation:	NEMA MG1-1.66
Material	Class H
Temperature rise	130°C Standby
Bearing: quantity, type	1, Sealed
Coupling	Direct
Amortisseur windings	Full
Voltage regulation, no-load to full-load RMS	±1.0%
One-step load acceptance	100% of Rating
Peak motor starting kVA:	(35% dip for voltages below)

Peak motor starting kVA		
240 V, 1 ph	2F7 (4 lead)	41 (60 Hz)
240 or 480 V, 3 ph	2G7 (12 lead)	69 (60 Hz)

Alternator Features

- Compliance with NEMA, IEEE, and ANSI standards for temperature rise.

- Self-ventilated and dripproof construction.

- Windings are vacuum-impregnated with epoxy varnish for dependability and long life.

- Superior voltage waveform and minimum harmonic distortion from skewed alternator construction.

- Digital voltage regulator with ±1.0% no-load to full-load RMS regulation.

- Rotating-field alternator with static exciter for excellent load response.

- Total harmonic distortion (THD) from no load to full load with a linear load is less than 5%.

Application Data

Engine

Engine Specifications	
Manufacturer	Kohler
Engine: model, type	CH1000 4-Cycle
Cylinder arrangement	V-2
Displacement, cm^3 (cu. in.)	999 (61)
Bore and stroke, mm (in.)	90 x 78.5 (3.54 x 3.1)
Compression ratio	8.8:1
Main bearings: quantity, type	2, Heavy-Duty Sleeve Bearings
Rated RPM	
60 Hz	3600
Max. engine power at rated rpm, kW (HP)	
LPG, 60 Hz	23.0 (30.9)
Natural gas, 60 Hz	20.2 (27.1)
Cylinder head material	Aluminum
Valve material	Steel/Stellite®
Piston type and material	Aluminum Alloy
Crankshaft material	Heat Treated, Ductile Iron
Governor: type	Electronic
Frequency regulation, no load to full load	Isochronous
Frequency regulation, steady state	±0.5%
Air cleaner type	Dry

Engine Electrical

Engine Electrical System	
Ignition system	Electronic, Capacitive Discharge
Starter motor rated voltage (DC)	12
Battery (purchased separately):	
Ground	Negative
Volts (DC)	12
Battery quantity	1
Recommended cold cranking amps:	
(CCA) rating for -18°C (0°F)	500
Group size	51

Exhaust

Exhaust System	
Exhaust temperature exiting the enclosure at rated kW, dry, °C (°F)	260 (500)

Lubrication

Lubricating System	
Type	Full Pressure
Oil capacity (with filter), L (qt.) §	1.9 (2.0)
Oil filter: quantity, type §	1, Cartridge
Oil cooler	Integral

§ Kohler recommends the use of Kohler Genuine oil and filters.

Fuel Pipe Size

Minimum Gas Pipe Size Recommendation, in. NPT		
Pipe Length, m (ft.)	Natural Gas 281,000 Btu/hr.	LPG 340,000 Btu/hr.
8 (25)	1	3/4
15 (50)	1	1
30 (100)	1 1/4	1
46 (150)	1 1/4	1 1/4
61 (200)	1 1/4	1 1/4

Fuel Requirements

Fuel System

Fuel types	Natural Gas or LPG
Fuel supply inlet	1/2 NPT
Fuel supply pressure, kPa (in. H_2O):	
Natural gas	0.9- 2.7 (3.5-11)
LP	1.7- 2.7 (7-11)

Fuel Composition Limits *	Nat. Gas	LPG
Methane, % by volume (minimum)	90 min.	—
Ethane, % by volume (maximum)	4.0 max.	—
Propane, % by volume	1.0 max.	85 min.
Propene, % by volume (maximum)	0.1 max.	5.0 max.
C_4 and higher, % by volume	0.3 max.	2.5 max.
Sulfur, ppm mass (maximum)	25 max.	
Lower heating value, MJ/m^3 (Btu/ft^3), (minimum)	33.2 (890)	84.2 (2260)

* Contact your local distributor for suitability and rating derates based on fuel compositions outside these limits.

Operation Requirements

Fuel Consumption, m^3/hr. (cfh) @ 60Hz

% Load	Natural Gas		LPG	
100	8.0	(281)	3.9	(136)
75	6.9	(243)	3.1	(109)
50	4.6	(161)	2.3	(82)
25	3.6	(127)	1.7	(59)
Exercise	2.0	(71)	1.0	(35)

Nominal fuel rating: Natural gas: 37 MJ/m^3 (1000 $Btu/ft.^3$)
LPG: 93 MJ/m^3 (2500 $Btu/ft.^3$)

LPG conversion factors: 8.58 $ft.^3$ = 1 lb.
0.535 m^3 = 1 kg
36.39 $ft.^3$ = 1 gal.

Generator Set Sound Data

Model 20RCA 8 point logarithmic average sound levels are 66 dB(A) during weekly engine exercise and 70 dB(A) during full-speed generator diagnostics and normal operation.*

All sound levels are measured at 7 meters with no load.

* Lowest of 8 points measured around the generator. Sound levels at other points around generator may vary depending on installation parameters.

RDC2 Controller
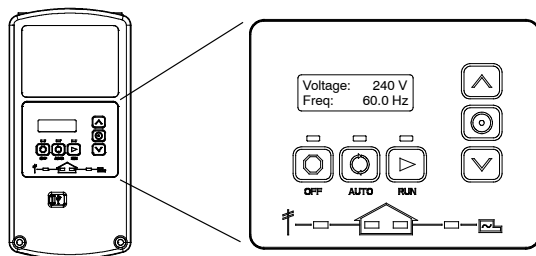
The RDC2 controller provides integrated control for the generator set, Kohler® Model RXT transfer switch, programmable interface module (PIM), and load shed kit.

RDC2 Controller Features

- Membrane keypad:
  - OFF, AUTO, and RUN pushbuttons
  - Select and arrow buttons for access to system configuration and adjustment menus
- LED indicators for OFF, AUTO, and RUN modes

RDC2 Controller Features, Continued

- LED indicators for utility power and generator set source availability and ATS position (Model RXT transfer switch required)
- LCD display:
  - Two lines x 16 characters per line
  - Backlit display with adjustable contrast for excellent visibility in all lighting conditions
- Scrolling system status display:
  - Generator set status
  - Voltage and frequency
  - Engine temperature
  - Oil pressure
  - Battery voltage
  - Engine runtime hours
- Date and time displays
- Smart engine cooldown senses engine temperature
- Digital isochronous governor maintains steady-state speed at all loads
- Digital voltage regulation: ± 1.0% RMS no-load to full-load
- Automatic start with programmed cranking cycle
- Programmable exerciser can be set to start automatically on any future day and time, and run every week or every two weeks
- Exercise modes:
  - Unloaded weekly exercise with complete system diagnostics
  - Unloaded full-speed exercise
  - Loaded full-speed exercise (Model RXT ATS required)
- Front-access mini USB connector for SiteTech ™ or USB Utility connection
- Integral Ethernet connector for Kohler® OnCue® Plus
- Built-in 2.5 amp battery charger
- Remote two-wire start/stop capability for optional connection of a Model RDT transfer switch
- Diagnostic messages: Displays diagnostic messages for the engine, generator, Model RXT transfer switch, programmable interface module (PIM), and load management device.
- Maintenance reminders
- System settings:
  - System voltage, frequency, and phase
  - Voltage adjustment
  - Measurement system, English or metric
- ATS status (Model RXT ATS required):
  - Source availability
  - ATS position (normal/utility or emergency/generator)
  - Source voltage and frequency
- ATS control (Model RXT ATS required):
  - Source voltage and frequency settings
  - Engine start time delay
  - Transfer time delays
  - Voltage calibration
  - Fixed pickup and dropout settings
- Programmable Interface Module (PIM) status displays:
  - Input status (active/inactive)
  - Output status (active/inactive)
- Load control menus:
  - Load status
  - Test function

Generator Set Standard Features

- Battery cables
- EPA certified fuel system
- Aluminum sound enclosure
- Critical silencer
- Field-connection terminal block
- Fuel solenoid valve and secondary regulator
- Line circuit breaker
- Multi-fuel system, LPG/natural gas, field-convertible
- Oil drain extension with shutoff valve
- OnCue® Plus Generator Management System
- Premium 5-year limited warranty
- RDC2 generator set/ATS controller
- Rodent-resistant construction
- Sound-deadening, flame-retardant foam per UL 94, class HF-1

Available Options

Approvals and Listings
❏ CSA approval

Concrete Mounting Pads
❏ Concrete mounting pad, 3 in. thick
❏ Concrete mounting pad, 4 in. thick
 (recommended for storm-prone areas)

Electrical Accessories
❏ Battery
❏ Battery heater, 120VAC
❏ Battery heater, 240VAC
❏ Cold weather package, 120VAC
❏ Cold weather package, 240VAC
❏ Emergency stop kit
❏ PowerSync® Automatic Paralleling Module (APM)
 (single phase only; parallel two 20kW residential generator
 sets with the RDC2 controller)
❏ Programmable interface module (PIM)
 (provides 2 digital inputs and 6 relay outputs)

Fuel System Accessories
❏ Flexible fuel line (included on QS models)
❏ Carburetor heater, 120 VAC
❏ Carburetor heater, 240 VAC
 Carburetor heater is recommended for reliable starting
 at temperatures below 0°C (32°F)

Literature
❏ General maintenance literature kit
❏ Overhaul literature kit
❏ Production literature kit

Maintenance
❏ Maintenance kit (includes air filter, oil, oil filter, and
 spark plugs)

Automatic Transfer Switches and Accessories
❏ Model RDT ATS
❏ Model RXT ATS
❏ Model RXT ATS with combined interface/load
 management board
❏ Load shed kit for RXT or RDT
❏ Power relay modules (use up to 4 relay modules for
 each load management device)
❏ Other Kohler® ATS

20RCAL Model Packages
❏ 20RCAL with 100 amp RXT with 16-space load center and
 NEMA 1 steel enclosure for indoor installation
❏ 20RCAL with 200 amp service entrance-rated Model RXT
 with combined interface/load management board and
 corrosion-resistant NEMA 3R aluminum enclosure

Warranty
❏ 5- Year Comprehensive Limited Warranty
❏ 10- Year Comprehensive Limited Warranty

Generator Set Dimensions and Weights

Generator Set Size, L x W x H: 1193 x 666 x 817 mm
(47 x 26.2 x 32.2 in.)

Shipping Weights:
20RCA Generator Set:	252 kg (555 lb.)
20RCAL with 100 A RXT ATS w/LC	277 kg (611 lbs.)
20RCAL with 200 A RXT SE ATS:	272 kg (600 lb.)
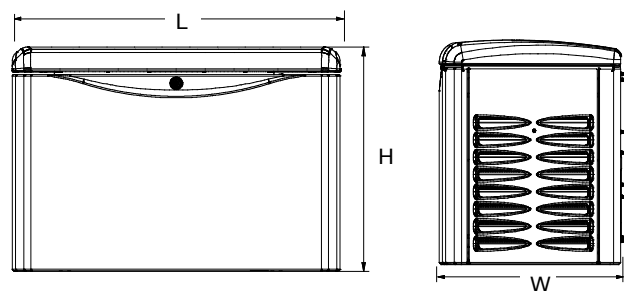
NOTE: Dimensions are provided for reference only and should not be used for planning installation. Contact your local distributor for more detailed information.

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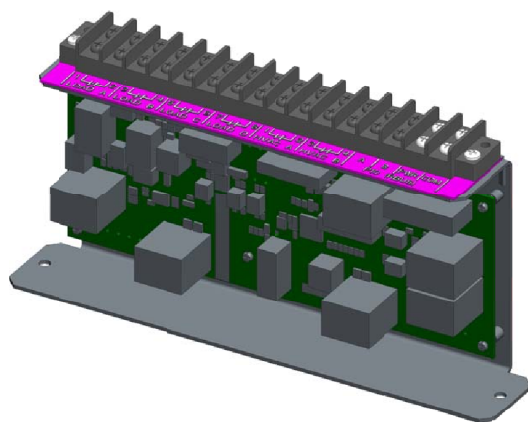
Load Shed Assembly

Applicable Models

- RXT Automatic Transfer Switch (without load center)

- RDT Automatic Transfer Switch (without load center)

- RDT 200 amp service entrance rated transfer switch with 42-circuit load center

- A Kohler® single-phase generator set equipped with the RDC2 or DC2 controller is required. The load shed kit operates with the following generator set models: *

  ○ 14RESA and 14RESAL

  ○ 20RESA and 20RESAL

  ○ 38RCL

  ○ 48RCL

Standard Features

- Automatically manages up to six residential loads:
  ○ Four customer-provided power relays can be connected for management of non-essential secondary loads.
  ○ Two HVAC relays to control two independent air conditioner loads are included.

- Current transformer for load monitoring is provided.

- The load shed kit mounts inside the enclosure on Kohler® Model RXT and RDT automatic transfer switches.

Load Management

- The load shed kit disconnects non-critical loads to prevent generator overload, in compliance with NEC 2008.

- The load shed kit monitors generator current and frequency to determine when to shed loads. This monitoring prevents frequency drops that can damage valuable electronics like computers and televisions.

- Load management with the load shed kit allows the use of a smaller generator set.

Priority Setting

- Loads are added and shed according to their priority. Load 1 is the top priority, which is added first and shed last. Load 6 is the lowest priority.

- Less critical loads can be turned off automatically when essential appliances are running.

- Load priorities are hard-wired at installation.

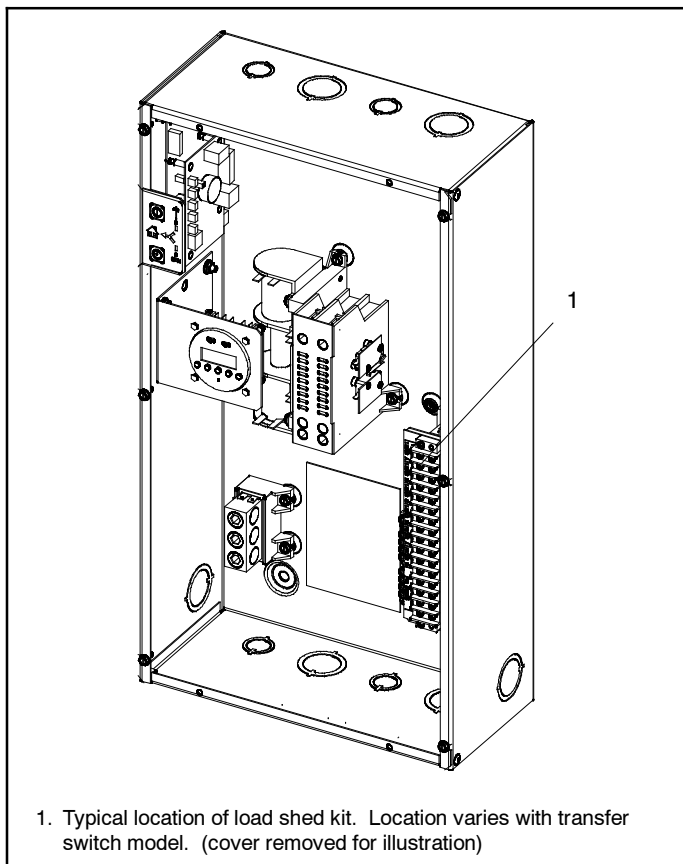* Information available at time of publication.

Operation

- Loads are automatically added or disconnected based on generator capacity.
- The Kohler-patented load control system uses dynamic logic to prevent shedding important loads unnecessarily when air conditioning, refrigerator, or water pump motors start.
- The load shed kit and generator communicate to provide smart power management. The time to shed loads decreases as each load is shed to quickly adapt to critical power requirements.
- Load shed power level and frequency setpoint adjustments are possible only by using Kohler® SiteTech™ software, available to Kohler-authorized distributors and dealers.

Specifications

Connection	Rating	Connection
Pilot Relays* and HVAC Relays (qty. 2)	125VAC, 10 A (general purpose) 120VAC, 125VA (pilot duty)	Connect to #6 screw on terminal block
RBUS Communication and Power Connections to the RDC2/DC2 controller	0.5 A @ 12 VDC	Use Belden #9402 or equivalent 20 AWG shielded, twisted-pair communications cable †

* Four (4) pilot relays are provided for customer-supplied load-switching contactors/relays.

† For long distances, use an equivalent shielded, twisted pair cable for RBUS connections and individual 12–20 AWG wires (qty. 2) for power connections. A communication harness for the Model RXT transfer switch is included with the load shed kit. See TT–1609, Load Shed Kit Installation Instructions, for details.

Location Inside ATS Enclosure

1. Typical location of load shed kit. Location varies with transfer switch model. (cover removed for illustration)

Current Transformer

The load shed kit includes a current transfomer (CT) for load monitoring. If the application requires cables that are too large for the inner diameter (I.D.) of the CT provided, order current transformer GM17250, or obtain a CT that meets the specifications shown below.

CT Specifications	GM83929 (provided)	GM17250 *
Primary Rating	400 Amps	400 Amps
Secondary Rating	3 VAC	3 VAC
Burden Resistor	16 Ohms	16 Ohms
Burden Resistor Location	Internal	Internal
Inner Diameter (I.D.)	28.7 mm (1.13 in.)	57.2 mm (2.25 in.)

* Order GM17250 for applications that use larger cables.

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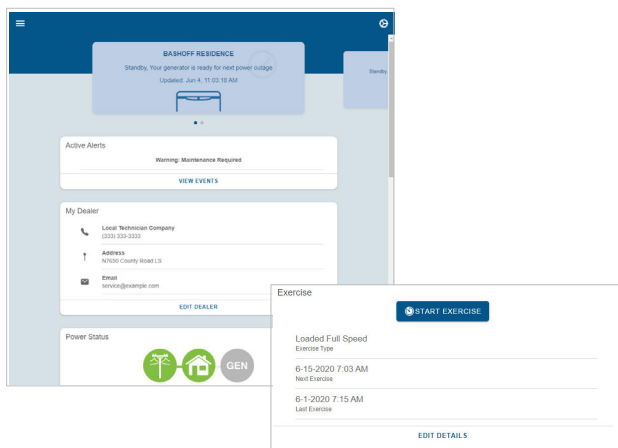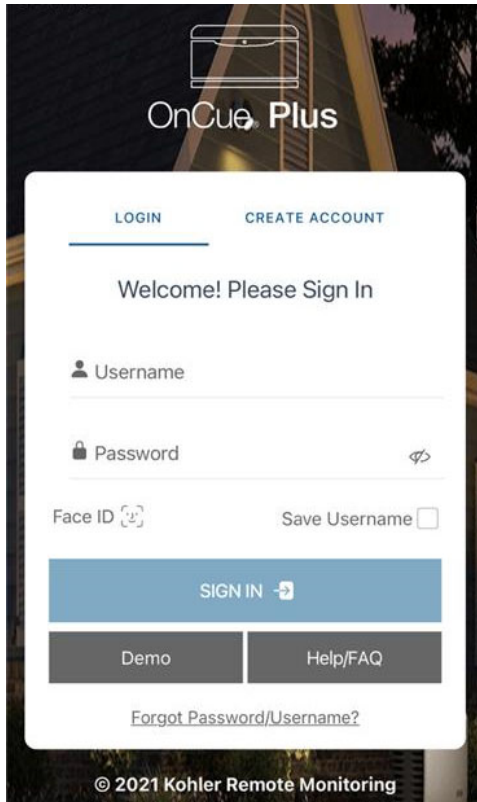
OnCue® Plus is a remote monitoring application that is included with Residential and Light Commercial generators equipped with the controllers listed below. It allows you to access your generator from a computer or smart device anytime, anywhere. You can easily monitor and control your generator set using this application.

Applicable Models

OnCue Plus can be used with Kohler Residential and Light Commercial generator sets equipped with the following controllers:

- RDC2 or DC2 Controller
- RDC or DC Controller
- VSC Controller (6VSG variable-speed DC generator set)

The optional OnCue Plus wireless kit is available for generator sets equipped with the following controllers:

- RDC2 or DC2 Controller
- VSC Controller (6VSG variable-speed DC generator set)

OnCue Plus Features

- Simple activation, required just once for each generator.
- Monitor your complete Kohler power system, including the generator, RXT automatic transfer switch, Load Control Module (LCM)*, and Programmable Interface Module (PIM)†.
- Control home automation when the generator set is paired with a Programmable Interface Module (PIM)†. Remote control features:
  - Remotely turn appliances, outdoor lighting, storm shutters, or other electrical equipment on or off.
  - The generator does not need to be running in order to use OnCue Plus for remote control of circuits connected to the PIM.
- Monitor total generator power and percent of generator's rated power on models equipped with a model RXT transfer switch and load shed accessory. *
- Monitor multiple generator sets on one account.
- View time- and date-stamped event history listing generator set starting and stopping, faults, and notifications. (RDC2)
- Receive generator alerts by email, text message, or push notifications on your mobile device or PC. Customize messages by selecting the events that will prompt a notification to be sent to each recipient.
- Start and stop generator exercises from your computer or mobile device, or using the OnCue Plus action/skill on Google Assistant or Amazon Alexa.
- Controller password and generator set serial number protect against access by unauthorized users.

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Alexa and all related marks are trademarks of Amazon.com, Inc or its affiliates.
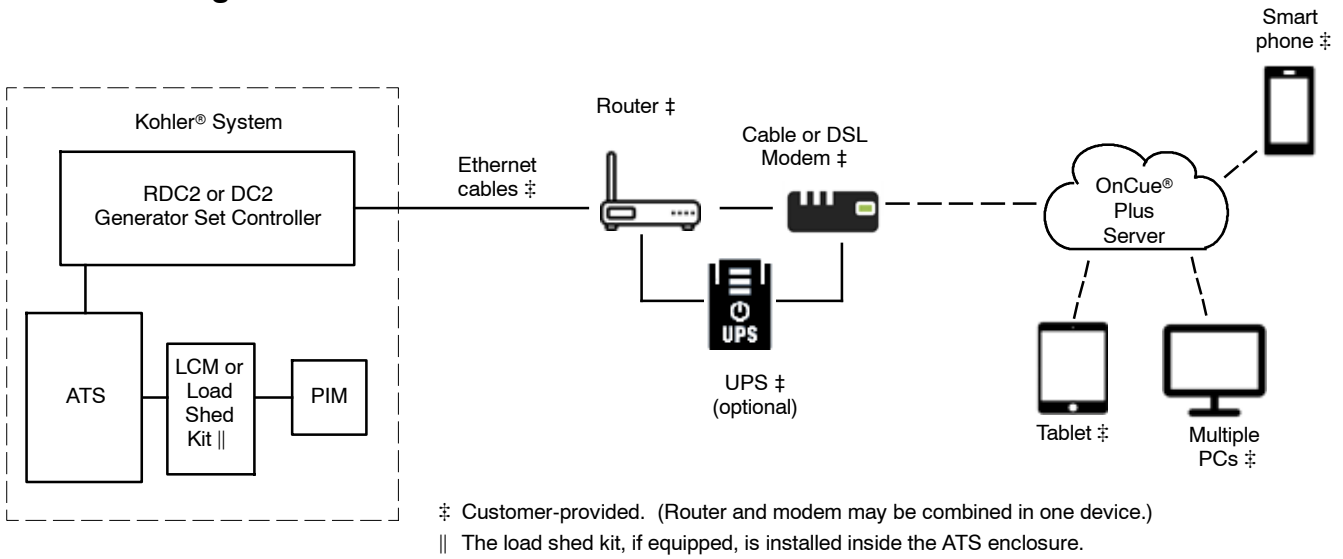Android, Google and Google Play are trademarks of Google LLC.

* Model RXT automatic transfer switch and LCM can be used with generator sets equipped with the RDC2 or DC2 controller.

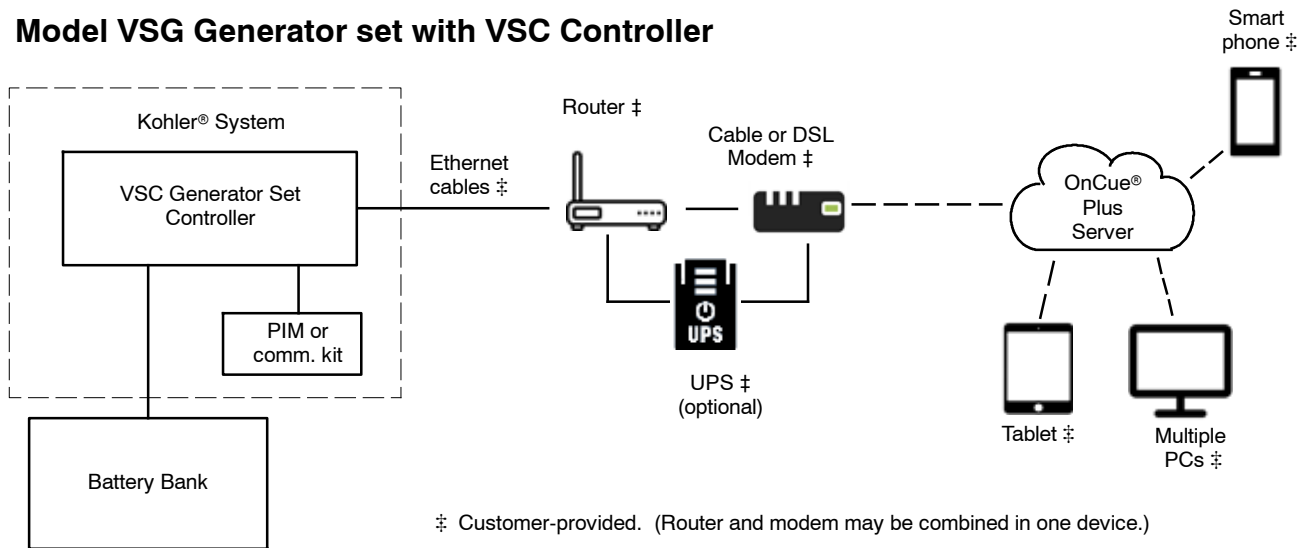† PIM can be used with generator sets equipped with the RDC2, DC2, or VSC controller.

Note: Views shown in this document are samples. Actual views may vary based on customer application and OnCue Plus program updates.

Typical Connections (using cables)

Residential/Light Commercial Generator Set with RDC2 or DC2 Controller

Kohler® System

RDC2 or DC2 Generator Set Controller

Ethernet cables ‡

Router ‡

Cable or DSL Modem ‡

Smart phone ‡

OnCue® Plus Server

UPS ‡ (optional)

ATS

LCM or Load Shed Kit ‖

PIM

Tablet ‡

Multiple PCs ‡

‡ Customer-provided. (Router and modem may be combined in one device.)

‖ The load shed kit, if equipped, is installed inside the ATS enclosure.

Model VSG Generator set with VSC Controller

Kohler® System

VSC Generator Set Controller

Ethernet cables ‡

Router ‡

Cable or DSL Modem ‡

Smart phone ‡

OnCue® Plus Server

UPS ‡ (optional)

PIM or comm. kit

Battery Bank

Tablet ‡

Multiple PCs ‡

‡ Customer-provided. (Router and modem may be combined in one device.)

Typical Connections (using wireless kit)

Residential/Light Commercial Generator Set with RDC2 or DC2 Controller
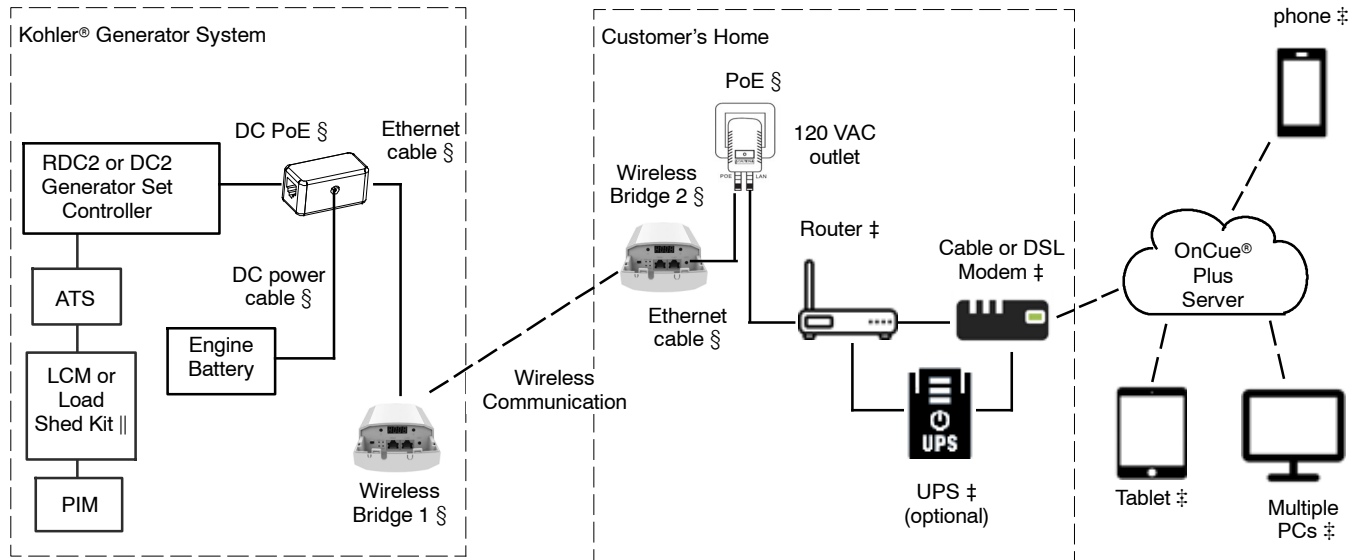
Kohler® Generator System

RDC2 or DC2 Generator Set Controller

DC PoE §

Ethernet cable §

ATS

DC power cable §

LCM or Load Shed Kit ‖

Engine Battery

PIM

Wireless Bridge 1 §

Wireless Communication

Customer's Home

PoE §

120 VAC outlet

Wireless Bridge 2 §

Ethernet cable §

Router ‡

Cable or DSL Modem ‡

UPS ‡ (optional)

OnCue® Plus Server
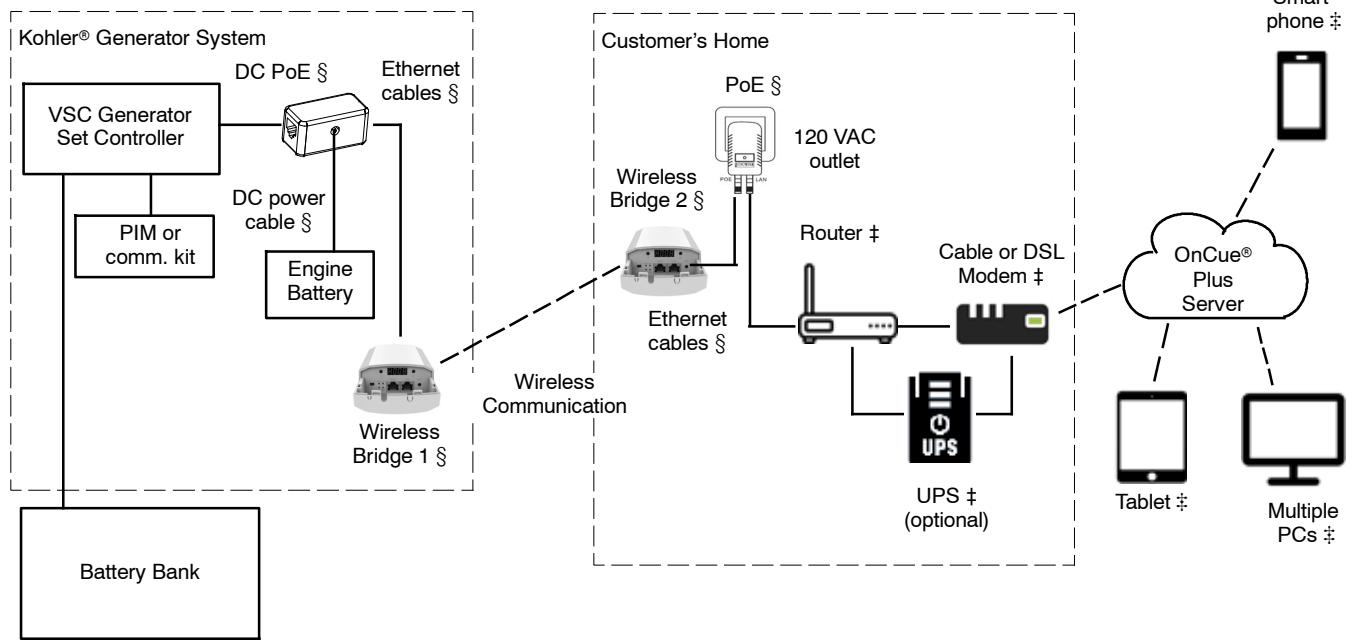
Smart phone ‡

Tablet ‡

Multiple PCs ‡

‡ Customer-provided. (Router and modem may be combined in one device.)

§ Provided in the Kohler wireless kit. (Two Ethernet cables for connecting the bridge to the Power over Ethernet [PoE] ports are provided.)

‖ The load shed kit, if equipped, is installed inside the ATS enclosure.

Model VSG Generator Set with VSC Controller

Kohler® Generator System

VSC Generator Set Controller

DC PoE §

Ethernet cables §

PIM or comm. kit

DC power cable §

Engine Battery

Wireless Bridge 1 §

Wireless Communication

Battery Bank

Customer's Home

PoE §

120 VAC outlet

Wireless Bridge 2 §

Ethernet cables §

Router ‡

Cable or DSL Modem ‡

UPS ‡ (optional)

OnCue® Plus Server

Smart phone ‡

Tablet ‡

Multiple PCs ‡

‡ Customer-provided. (Router and modem may be combined in one device.)

§ Provided in the Kohler wireless kit. (Two Ethernet cables for connecting the bridge to the Power over Ethernet [PoE] ports are provided.)

System Requirements

- Personal computer (PC) requires one of these Internet browsers:
  - Google Chrome
  - Apple Safari
  - Microsoft Edge 79+
  - Firefox
- Mobile devices require Android™ 5.0 or higher or iOS 11.0 or higher
- Always-on Internet access for the generator (for example, cable, DSL, or phone line modem connected 24 hours a day)
- Amazon Alexa or Google Assistant application on smart devices to access voice control (optional)
- OnCue Plus wireless kit (optional)
- Uninterruptible power supply (UPS) for modem and router (optional)
- See the connection diagrams for customer-provided cables and equipment

Wireless Bridge Specifications

- Environmental specifications:
  - Operating temperature: - 30 to 55°C (- 22 to 131°F)
  - Storage temperature: - 40 to 70°C (- 40 to 158°F)
  - Humidity: 5% to 95% (typical)
  - Waterproof level IP65
- Dimensions. L x W x H: 168 x 88 x 48 mm (6.6 x 3.5 x 1.9 in.)
- RF Frequency: 5.150- 5.850 GHz
- Regulatory Compliance:
  - CE-LVD
  - EN 60950-1:2006 + A1: 2009 + A1: 2010 + A12: 2011 + A2: 2013
  - IEC 60950-1: 2005 +A1: 2009 + A2: 2013
- Protocol/Standard
  - IEEE 802.3 (Ethernet)
  - IEEE 802.3u (Fast Ethernet)
  - IEEE 802.11b/g/n/ac
- Power Specification:
  - DC PoE: 24 VDC @ 0.5A
- Wireless Bridge Operating Specifications:
  - Voltage 100- 240 VAC
  - Frequency 50- 60 Hz
  - Input current 300 mA max. @ 90 VAC min.
- LEDs for power and network connection status

View System Operation Data

Generator Set

- Home is powered by the generator or utility power
- Generator set status: running, standby, shutdown, or off
- Active fault indication
- Generator voltage
- Engine starting battery voltage, VDC
- Frequency, Hz
- Generator event history
- Event details, including description, time, and date
- Exercise type
- Next scheduled exercise date and time (estimated based on last exercise date and time)
- Over 20 different parameters
- Generator power, in kW (LCM required*)
- Engine hours
- Last exercise date and time
- Exercise interval, duration and mode

Load Management *

- Loads are added or shed automatically based on generator load
- View connected loads
- On/Off indicators for each circuit indicate status (powered or shed)
- Change load labels to identify the connected circuits

Programmable Interface Module (PIM) †

- View relay status
- On/Off indicators show connected circuits
- Change input and output labels to identify connected circuits

6VSG Communications Kit

- View input and output status
- On/Off indicators show connected circuits

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* Model RXT automatic transfer switch and Load Control Module (LCM), load shed kit, or combined interface/load management board can be used with generator sets equipped with the RDC2 or DC2 controller.

† PIM can be used with generator sets equipped with the RDC2, DC2, or VSC controller.

Voice Activation

- Use Google Assistant or Amazon Alexa to control your generator by using your voice.
- Easy setup:
  - Confirm the setup of your OnCue Plus account.
  - Search for OnCue Plus action/skill on the Google Assistant or Amazon Alexa app and follow the simple step- by- step guide to link the accounts.
  - Start talking to your Kohler generator(s) by saying, "Hey Google, ask OnCue Plus," or "Alexa, ask OnCue Plus."
- Sample voice commands:
  - What is the status of my generator?
  - Does my generator have any active alerts?
  - What's the battery voltage?
  - What's the oil temperature?
  - What's the engine temperature?
  - When was my last exercise?
  - Start an exercise.
  - Stop an exercise.
  - Change my exercise details.

Notifications

Email, text messages, and push notifications are sent for the following events. Notifications for selected events can be turned off or on for different recipients. Push notifications can be turned on or off using a smart phone or tablet, and then viewed on a smart phone, tablet, or personal computer.

- Exercise Start
- Exercise Ended
- Generator Running
- Generator Stopped
- Generator Not in Auto/ In Auto
- Utility Loss/ Restored
- Communication Loss/ Restored
- Warnings Active/Cleared (includes maintenance reminders)
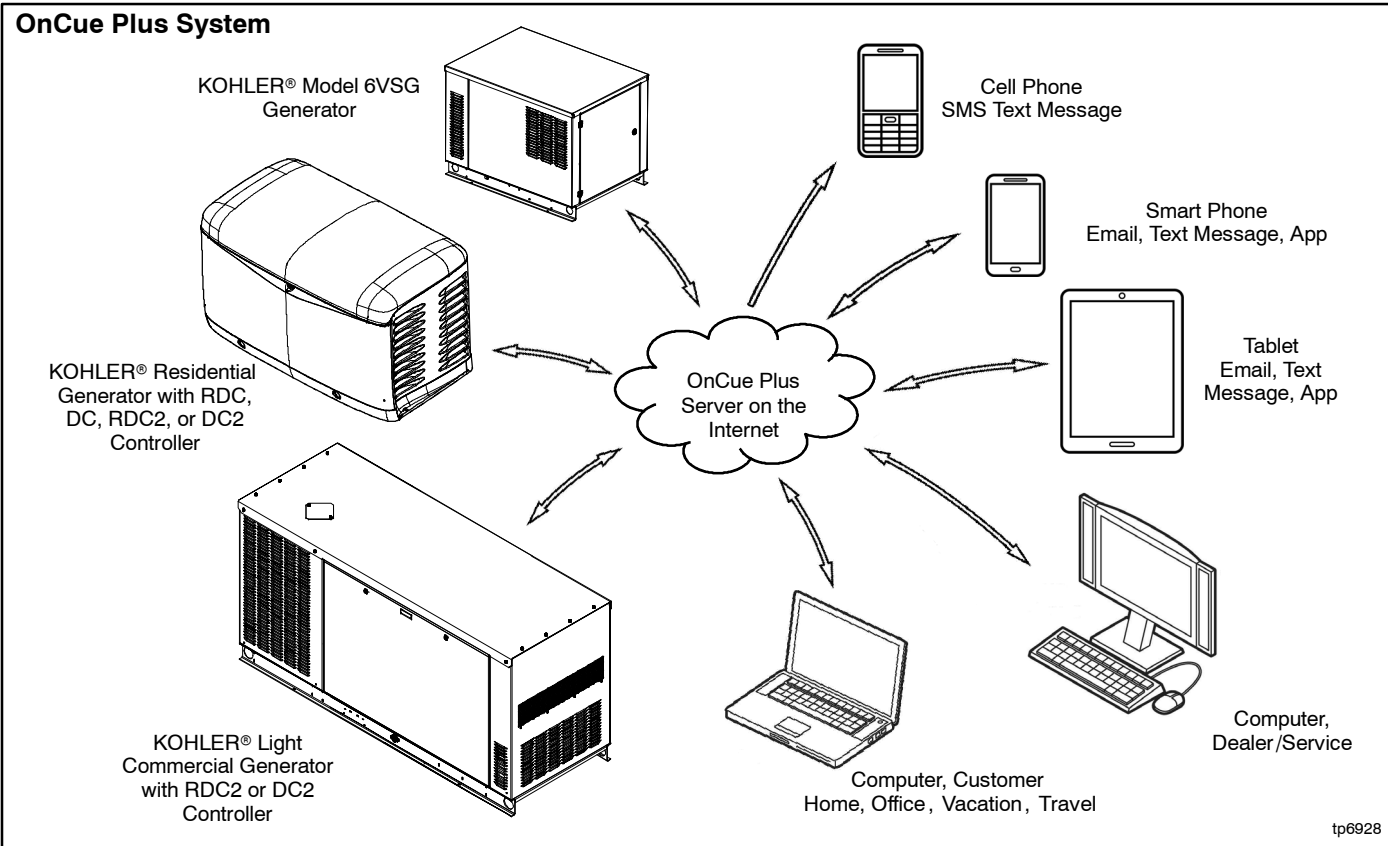- Shutdowns Active/Reset

Remote Control/Home Automation

Generator Set

- Start/stop exercises remotely
- Manage exercise interval, duration and mode

Programmable Interface Module (PIM)‡

- Allows remote control of appliances and other electrical devices in your home
- Use your PC or mobile device to turn your lights or appliances on and off from any location with Internet access
- The generator does not need to be running in order to use OnCue Plus for remote control of circuits connected to the PIM.

KOHLER®

OnCue Plus System

KOHLER® Model 6VSG Generator

Cell Phone
SMS Text Message

Smart Phone
Email, Text Message, App

KOHLER® Residential Generator with RDC, DC, RDC2, or DC2 Controller

OnCue Plus Server on the Internet

Tablet
Email, Text Message, App

KOHLER® Light Commercial Generator with RDC2 or DC2 Controller

Computer, Customer
Home, Office, Vacation, Travel

Computer, Dealer/Service

tp6928

OnCue® Plus System Kit

Included with every Residential and Light Commercial generator set that is equipped with the RDC2 or VSG controller.

- Activation code decal
- Ethernet connector
- User manual
- Technical Manual

OnCue® Plus Wireless Kit

Optional kit provides wireless connectivity between the generator controller and the homeowner's router.

- Wireless bridges (quantity 2)
- AC power over Ethernet port
- DC power over Ethernet port
- DC power cable
- Ethernet cables (quantity 2 for power over Ethernet connection to wireless bridges)
- Installation instructions with connection diagrams

DISTRIBUTED BY:
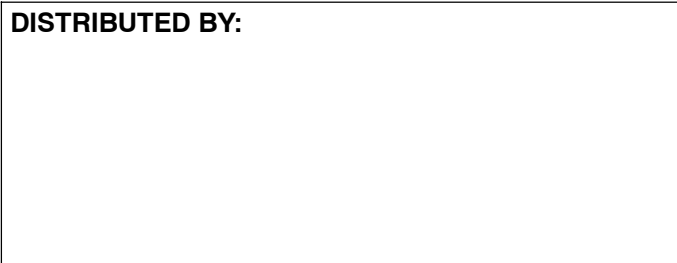
Availability is subject to change without notice. Kohler Co. reserves the right to change the design or specifications without notice and without any obligation or liability whatsoever. Contact your local Kohler® generator distributor for availability.

RCA mounting pads are similar to this illustration.
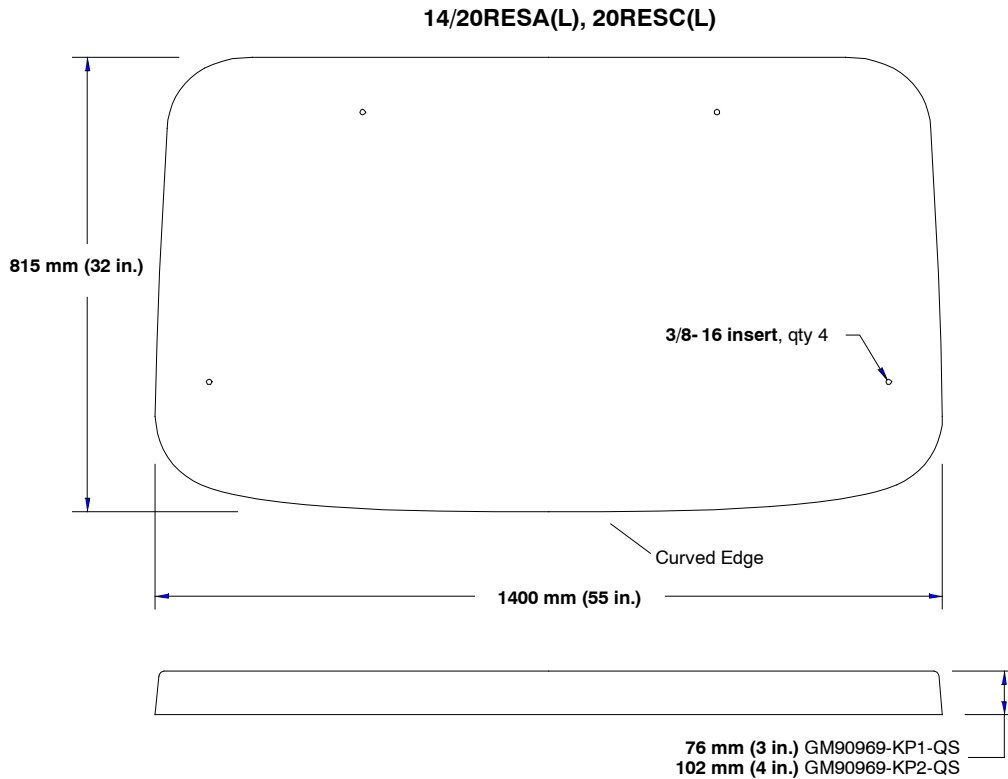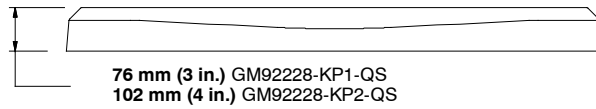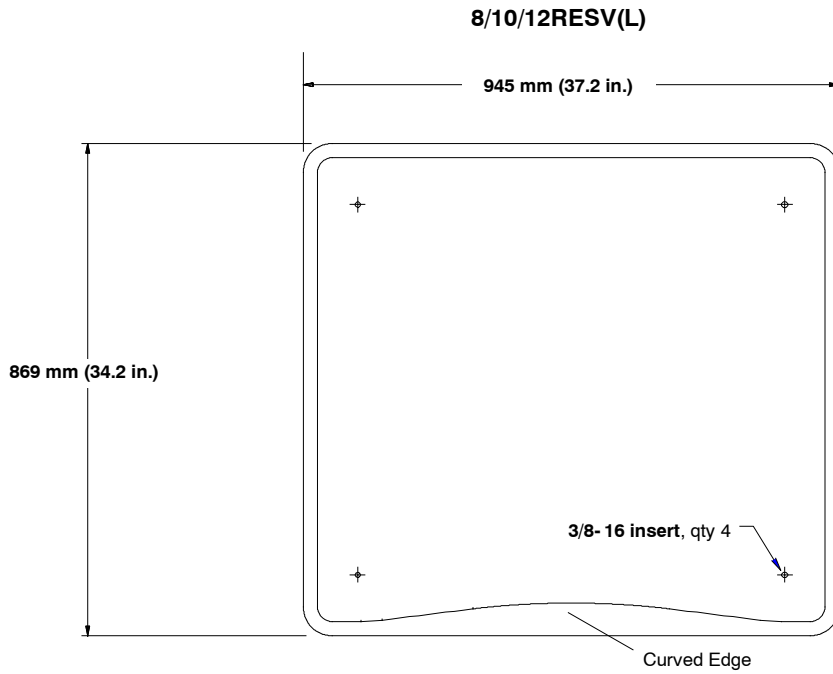
Applicable Models

- 8RESV/RESVL
- 10RESV/RESVL
- 12RESV/RESVL
- 14RCA/RCAL

- 14RESA/RESAL
- 20RCA/RCAL
- 20RESA/RESAL
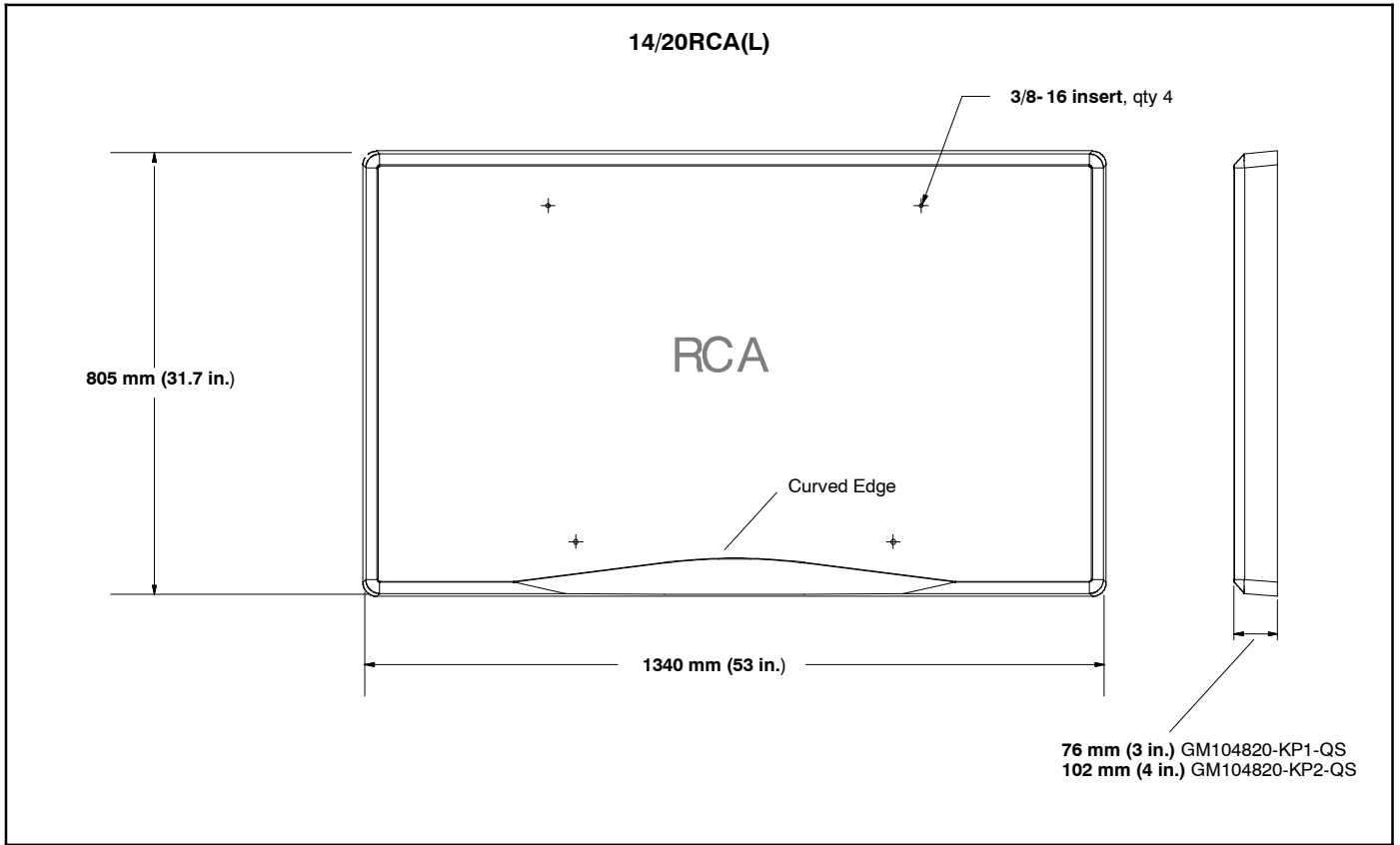- 20RESC/RESCL

Description

Concrete mounting pads allow easy installation of the Kohler® residential generator models listed above. Mounting pads are available in 3 inch and 4 inch thicknesses. The 4-inch hurricane pad has a wind rating of 175 mph and is recommended for storm-prone areas.

- Fiber-reinforced concrete pad with rebar.
- Impact resistant.
- Flat bottom facilitates mounting and leveling of the generator and prevents the generator from sinking into the ground.
- Pad is sized and contoured for the generator models listed above.
- 3/8- 16 threaded inserts are located at the generator mounting hole positions for easy installation.
- Pad contains 25% recycled materials.

Mounting Pad Dimensions

8/10/12RESV(L)

945 mm (37.2 in.)

869 mm (34.2 in.)

3/8- 16 insert, qty 4

Curved Edge

76 mm (3 in.) GM92228-KP1-QS
102 mm (4 in.) GM92228-KP2-QS

14/20RESA(L), 20RESC(L)

815 mm (32 in.)

3/8- 16 insert, qty 4

Curved Edge

1400 mm (55 in.)

76 mm (3 in.) GM90969-KP1-QS
102 mm (4 in.) GM90969-KP2-QS

Mounting Pad Dimensions

14/20RCA(L)

3/8- 16 insert, qty 4

RCA

Curved Edge

805 mm (31.7 in.)

1340 mm (53 in.)

76 mm (3 in.) GM104820-KP1-QS
102 mm (4 in.) GM104820-KP2-QS

Specifications

Model	Kit Number	Wind Rating, mph	Mounting Pad Dimensions (L x W x H)	Mounting Pad Thickness	Weight, each	Shipping Weight, 10 pads with pallet
8/10/12RESV(L)	GM92228-KP1-QS	NA	940 x 864 x 76 mm (37 x 34 x 3 in.)	76 mm (3 in.)	61 kg (135 lbs.)	658 kg (1450 lbs.)
	GM92228-KP2-QS	175	945 x 869 x 102 mm (37.2 x 34.2 x 4 in.)	102 mm (4 in.)	84 kg (185 lbs.)	885 kg (1950 lbs.)
14/20RESA(L) 20RESC(L)	GM90969-KP1-QS	NA	1394 x 810 x 76 mm (54.9 x 31.9 x 3 in.)	76 mm (3 in.)	86 kg (190 lbs.)	903 kg (1990 lbs.)
	GM90969-KP2-QS	175	1400 x 815 x 102 mm (55 x 32 x 4 in.)	102 mm (4 in.)	125 kg (275 lbs.)	1293 kg (2850 lbs.)
14/20RCA(L)	GM104820-KP1-QS	NA	1334 x 800 x 76 mm (52.5 x 31.5 x 3 in.)	76 mm (3 in.)	86 kg (189 lbs.)	903 kg (1990 lbs.)
	GM104820-KP2-QS	175	1340 x 805 x 102 mm (52.8 x 31.7 x 4 in.)	102 mm (4 in.)	125 kg (275 lbs.)	1293 kg (2850 lbs.)

Notes: As of February 18, 2019, each kit will contain one mounting pad. There is a minimum order quantity of 10 kits (10 mounting pads).
Mounting pads for 14/20RCA(L) models are stamped "RCA" for identification.

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