

KOHLER | Energy

**ALL
AMERICAN
ELECTRIC**



Why is backup power important for your homeowners?

- **Retain Home Security:** Maintain operation of security systems for ongoing protection.
- **Ensure Comfort:** Keep HVAC systems running to avoid extreme temperatures and maintain an enjoyable home environment.
- **Save on Temporary Relocation Costs:** Avoid the expenses of hotels and restaurants by staying comfortably in your own home during an outage.
- **Support Essential Health Devices:** Power critical medical equipment such as refrigerated medication, nebulizers, and CPAP machines.
- **Preserve Food Quality:** Ensure your refrigerator and freezer run and food stays fresh.

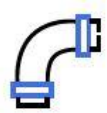


1,500 Weather-related power outages in the last 10 years in the United States*

7 Hours Average time a home is out of power per year*

Cost of power outages in the U.S.

Potential homeowner costs



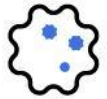
\$12,500

Burst pipes and water damage



\$26,500

Average cost of a flooded basement



\$500 – \$300k

Mold removal



\$250

Perishable food loss



\$212 per night

Alternative shelter



\$200 – \$500

Appliance repair

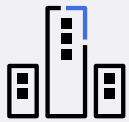


\$250

Median loss of earnings



Cost of power outages in the U.S.



\$150 Billion

Annual cost of power outages for American businesses



115%

Increase in average duration of outages

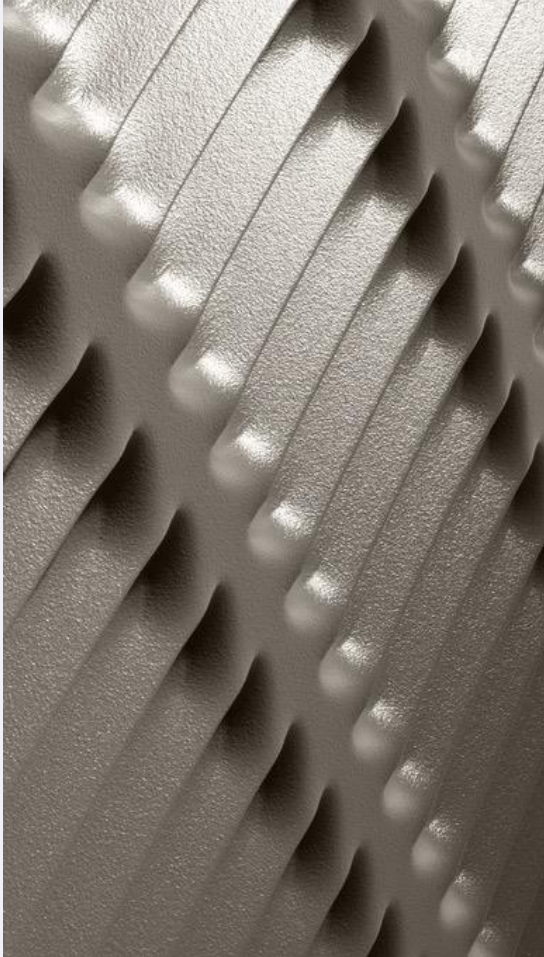


350 Million

Number of people impacted by a major power outage in 2021

KOHLER | Energy

Internal Communication: For internal & partner use only.



Kohler Home Energy NA Locations

- **Kohler, WI, USA:** Headquarters
 - All ATS manufacturing
- **Mosel, WI, USA:** Industrial plant
 - KGR/150ERESC
 - Controller and enclosure manufacturing for Mosel plant
- **Hattiesburg, MS, USA:** Residential plant
 - All Air-Cooled production – RCA, RESV, etc.
 - All RCL production
 - KT7000, CH740, & 1000/6 engine manufacturing
 - Future RCA Alternator manufacturing



Mosel WI Plant



Hattiesburg MS Plant



The Power of Reliability

Air-cooled (RCA 14kW – 26kW) generators offer quiet, reliable performance to power the home



Dual-Fuel Options

Compatible to run on either natural gas or liquid propane (LPG)



Commercial-Grade KOHLER Command PRO® Engine

Designed and tested to exceed demands of standby power



Durable Enclosure

Corrosion-proof, aluminum enclosure can be installed as close as 18" from your home and is 181 mph wind rated



Blend In or Stand Out

Customizable with ten new colors and three camouflage patterns



View Real-Time Power Status

Monitor the generator system anytime from anywhere and get instant mobile updates



Premium Warranty

Kohler is known for extraordinary reliability and performance, backed up with a 5-year or 2,000 hour limited warranty that covers parts, labor and travel for the full warranty period

Kohler Home Energy – Product Families



**Air Cooled Home
Standby Generators**



**Liquid Cooled Home
Standby Generators**



**Smart Home Energy
(Connected Products)**

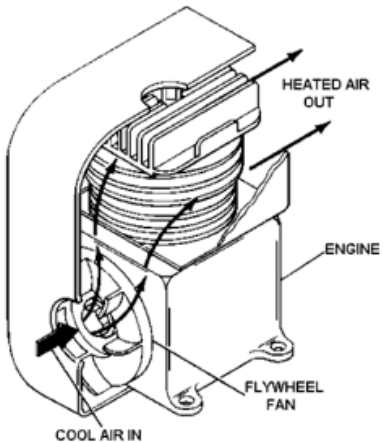


**Automatic Transfer
Switches (ATS)**

Air Cooled versus Liquid Cooled

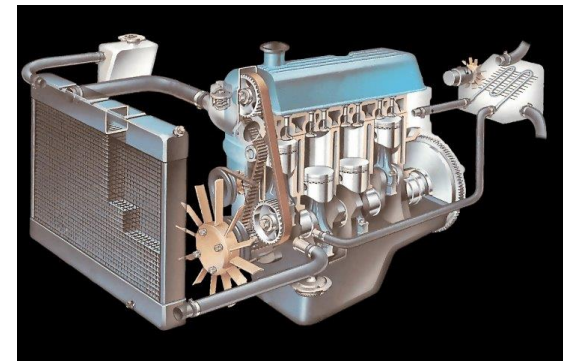
Air Cooled Engines

- KOHLER engineered and built 2-cylinder (V-twin) design - *simpler & less expensive design*
- 6-26kW Generator powered
- 2 pole alternator needs 3,600 rpm operation
- Provides increased fan speed and air flow to maintain cooling
- Higher rpm means louder operation



Liquid Cooled Engines

- KOHLER engineered and built 2.2L and 6.2L technology to power RCL line
- Engines use radiator fluid to cool engine during operation, like a car engine
- 4 pole alternators lower rpms to 1,800 rpm. Power 24-150 kW standby generators
- Lower rpm means RCLs can *run longer in hotter environments, and have better longevity*
- Lower RPM *improves sound*



Estimate your power needs

Here’s a quick tool to estimate the right size KOHLER® generator for your home or business. The best way to determine your specific power needs is to ask your generator professional to perform a site survey to analyze your electrical load and specify and install the proper generator system.

Your Electrical Needs	Generator Size			
	10–14 kW	15–25 kW	26–48 kW	49–150 kW
Furnace Fan	x	x	x	For greater than 200-amp service in larger homes and small businesses
Refrigerator/Freezer	x	x	x	
Sump Pump	x	x	x	
Lighting	x	x	x	
Well Pump	x	x	x	
Television/Radio	x	x	x	
Internet/Computer	x	x	x	
Garage Door Opener	x	x	x	
Security System		x	x	
Central Air System		x	x	
Water Heater		x	x	
Washing Machine		x	x	
Electric Range		x	x	
Clothes Dryer			x	
Dishwasher			x	
Microwave Oven			x	
Toaster Oven			x	
Extensive Power Requirements			x	

STANDBY VS. PORTABLE GENERATORS

Keep your power on when you need it most.

STANDBY GENERATOR

Ideal for backing up your home
Automatically starts and restores power in seconds, whether you’re home or away
Permanently and professionally installed
No refueling—runs on your home’s natural or LP gas

PORTABLE GENERATOR

Designed for job sites, camping, tailgating, and other mobile activities
Powers individual items, such as plug-in appliances and lamps, with extension cords
Runs on gasoline, propane, or natural gas



Other RCA Highlights & Features



Aesthetically pleasing 1000-hr powdered coated aluminum enclosures

- Highly resistant to salt and weather
- 181 mph wind loaded rated



18" offset approved

- Installs close to your home for tight lot lines



100% Unbalanced load capable

- Allows for reduced stress on alternator and longer overall life vs competition
- No need to balance loads between 240V legs on service panels



Outstanding Service Intervals

- Oil check – 24 hours
- Oil Change – 1 year or 120/150 hrs
- Air cleaner change – 3 year/400hrs
- Coolant change – 3 years 500 hrs



Designed and Built in the USA

- Generators are mfg in Hattiesburg MS with globally sourced components

KOHLER

Entry-Level Generators

These allow homeowners to back up select items in their homes when the power goes out, automatically.



10/12RESV

- Entry level generator
- Ideal for those that only want to power the essentials
- Compact size – 40”Lx28”Wx29”H
- 18” offset rated

Off-Grid Power Solutions

These generators are made for renewable energy, including solar power or other remote applications.



6VSG

- 24, 36 & 48V DC Generator
- Ideal for charging DC battery banks
- Variable speed helps to keep noise low and reduce fuel consumption
- CH740 is prime rated
- Longer life due to lower standard operating rpm
- Compact size – 40”Lx28”Wx29”H



12RES

- CH740 Engine is prime rated
- Ideal for off grid applications
- ADC-RES controller has a sleep mode option to save battery life

Blend in or Stand out.

Customize your generator with ten new colors and three Mossy Oak® camouflage patterns. KOHLER® 14-26RCA generators can now match your style to complement the color of your home or stand out to make a statement—only available with Kohler.

KOHLER. × MOSSY OAK.



Pegasus



Pigeon Feather



Dover Gray



Mossy Oak Shadow Grass® Habitat™



French Gray Linen



Nevergreen



Royal Hunter Green



Cashmere™ (standard)



Mossy Oak Original Bottomland®



Admiralty



Canyon Blue



Royal Plum



Brick Dust



Mossy Oak Break-Up Country®

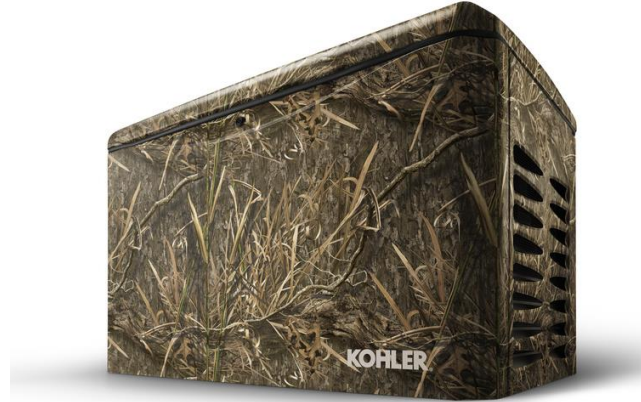
RCA Models At A Glance

14RCA



- CH740 – Ultra durable
- *Prime/off-grid rated*

20RCA



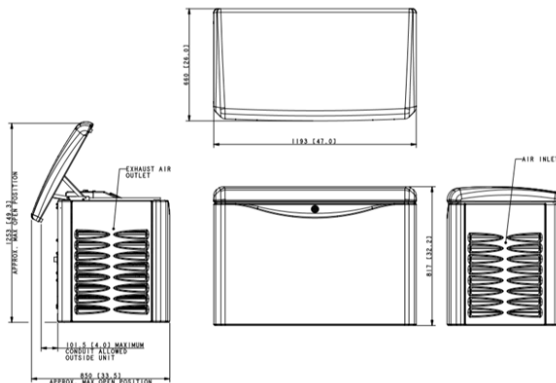
- Proven CH1000
- Most popular model

26RCA



- CH1006 – Most powerful
- *Quietest* – 56dBa at exercise
- Exceptionally durable w/ first-to-market low level oil shutoff and 300-hr oil change option

14RCA – Powerful Mid Market (Prime)



- Powerful Mid Market
- 1,500 – 2,250 sq ft home
- Cost Effective w/ Whole Home Potential (100 A panel)
- Hydraulic Lifters
- CH740 Command Pro Engine
- **Standby or Off-Grid** (Prime Rated – No Utility Needed)
- 1-ph or 3-ph option (14kW)
- 70 Amp Breaker
- Aluminum Enclosure
- 5" H2O fuel pressure

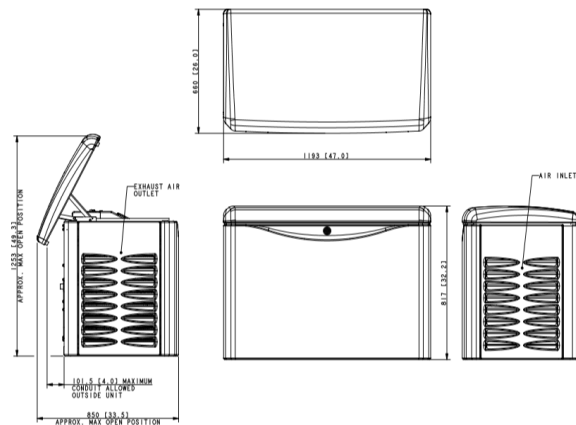
Ratings(LP/NG)

- 14/12 kW
- 59/50 amps
- 63/69 dBA (exercise/normal operation)



KOHLER	
Model Name	14RCA
Power, kW (LP/NG)	14/12
Voltage	AC
Phase	Single /3PH
Accessibility	Tool-less
Enclosure Material	Aluminum
Controller	RDC2
OnCue Plus Included	Yes
Engine	KOHLER CH740
Hydraulic Lifters	Yes
181 MPH Wind Rated	Yes
18" Reduced Setback	Yes
Rating	Prime
Applications	Whole Home Emergency Standby

20RCA – Whole Home Power (Stand By)



- Whole Home Power
~2,250 – 3,000 sq foot home (200A panel)
- Powerful CH1000 Command Pro Engine
- 1-ph or 3-ph options
- 100A Breaker
- Stand-By
- Aluminum Enclosure
- UL, CSA, NFPA Certified
- 3.5" H2O fuel pressure

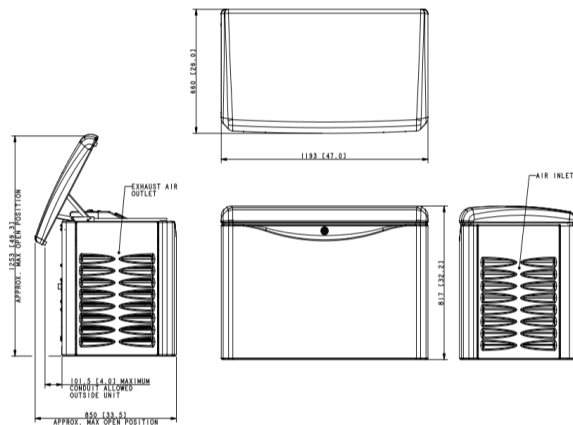
- Ratings(LP/NG)
- 20/18 kW
 - 84/75 amps
 - 66/70 dBA (exercise/normal operation)



KOHLER

Model Name	20RCA
Power, kW (LP/NG)	20/18
Voltage	AC
Phase	Single /3PH
Accessibility	Tool-less
Enclosure Material	Aluminum
Controller	RDC2
OnCue Plus Included	Yes
Engine	KOHLER CH1000
Hydraulic Lifters	Yes
181 MPH Wind Rated	Yes
18" Reduced Setback	Yes
Rating	Standby
Applications	Whole Home Emergency Standby

26RCA – Whole Home Power (Stand By)



- Whole Home Power
~3,000 – 3,500 sq foot home (200A panel)
- Enhanced CH1000 Command Pro Engine
- 125A Breaker
- Stand-By
- Aluminum Enclosure (same size as 20RCA)
- QS Cold weather spec available with factory installed oil sump, breather tube, and regulator heater along with oil pressure sensor cover
- Extended oil change intervals

Introducing the Kohler 26RCA!

- **Quietest , Most Powerful, Most Durable** 26 KW on the market
- Available for order now – Shipping Q3 2023
- Ratings(LP/NG)
 - 26/24 kW
 - 109/100 amps
 - 56/67 dBA (exercise/normal operation)



KOHLER

Model Name	26RCA
Power, kW (LP/NG)	26/24
Voltage	AC
Phase	Single /3PH
Accessibility	Tool-less
Enclosure Material	Aluminum
Controller	RDC2
OnCue Plus Included	Yes
Engine	KOHLER CH1000
Hydraulic Lifters	Yes
181 MPH Wind Rated	Yes
18" Reduced Setback	Yes
Rating	Standby
Applications	Whole Home Emergency Standby

Find your perfect generator.



	6 kW	10 kW	12 kW	12 kW	14 kW	20 kW	26 kW	24 kW	30 kW	38 kW	48 kW	60 kW	80 kW	100 kW	125 kW	150 kW	
Model Number	6VSG	10RESV	12RESV	12RES	14RCA	20RCA	26RCA	24RCLA	30RCLA	38RCLC	48RCLC	60RCLB	KG80R	KG100R	KG125R	150ERESC	
Rated Power LPG/NG	6-Jun	9-Oct	11-Dec	12/10.4	14/12	20/18	26/24	24/21	30/30	38/38	48/48	60/60	80/80	100/100	105/125	134/144	
Voltage @ 60 Hz Single-Phase	24/36/48	120/240							120/240								
Amps LPG/NG @ 240 V Single-Phase	223/149/112	41.7/37.5	50/45.8	50/43	58/50	83/75	109/100	100/88	125/125	159/159	200/200	250/242	334/334	417/417	438/521	557/600	
Engine/Alternator RPM	Variable	3600						1800									
Three-Phase Available	No				Yes				Yes								
Engine	725 CC					999 CC		2.2 L	2.2 L Turbo		6.2 L		6.2 L Turbo			8.8 L Turbo	
	12.2 HP	21.4 HP		23.6 HP		30.9 HP		36.4 HP	37 HP	64 HP		103 HP		127 HP	202 HP		259 HP
	KOHLER Command PRO CH740	KOHLER 7000 Series OHV KT725		KOHLER Command PRO OHV CH740		KOHLER Command PRO OHV CH1000	KOHLER Command PRO OHV CH1006	KOHLER KG2204 Naturally Aspirated	KOHLER KG2204T Turbo		KOHLER KG6208 Naturally Aspirated		KOHLER KG6208 TA Turbocharged/Aftercooled			PSI Industrial Turbocharged and Charged Cooled	
	V-Twin						In-Line 4			V-8							
	Hydraulic Valve Lifters	Solid Pushrods		Hydraulic Valve Lifters													
Peak Motor Starting kVA at 240 V (35% Dip for Lower Voltages)	N/A	16.8		32	33	41	39	37	44	74	113	144	237	440			
Fuel	LPG/NG							LPG/NG									
Engine Cooling	Air-Cooled							Liquid-Cooled									
Fuel Pressure Requirement (in H ₂ O)	NG 5-11 LP 7-11	NG 3.5-11 LP 7-11			NG 5-11 LP 7-11	NG 3.5-11 LP 7-11	NG 3.5-11 LP 7-11	5-11					7-11			NG 5-11 LP 7-11	
Enclosure	Powder-Coated Steel	Powder-Coated Steel			Powder-Coated Corrosion-Resistant Aluminum			Corrosion-Resistant Aluminum					Corrosion-Resistant Steel (Aluminum Also Available)				
Single-Point Sound Output dBA at 23 Ft (During Exercise/Normal Operation)*	57	64/69		63	58/63	62/67	56/67	52/60			61/61		67	65	65	70	
Dimensions (Inches)	39.8x28x28.5	28x30x32		44x29x32	47x26x32			74x33x46			90x33x47		139x45x66				
Digital Voltage Regulation	/- 0.5%	+/- 1.0%		+/- 1.5%	+/- 1.0%			+/- 1.0%					+/- 0.5%				
Excitation	N/A	PowerBoost Brushed With Aux Winding									Fast-Response PMG						
Warranty	Five-Year Premium Limited [†]												Five-Year Limited				
18-Inch Reduced Setback	No	Yes		No	Yes							No					
Mossy Oak Patterns	No				Yes				No								
KOHLER Exclusive Color Options	No				Yes				No								

Competitive Review – 26RCA Engine Components

Kohler (Commercial Grade)

Crankcase

Larger fins for cooler operation - overall structure



Crankshaft

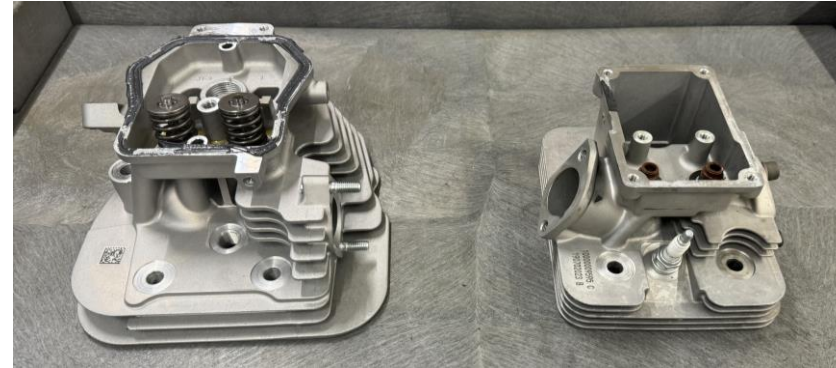
Large bearings



Competitor A (Purpose Built)

Cylinder Heads

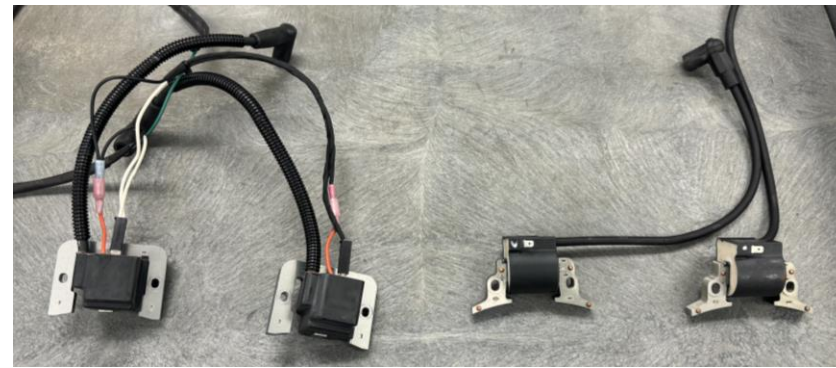
Larger fins for cooler operation



Ignition coils

Dedicated timing for LP/NG

Better fuel economy & performance

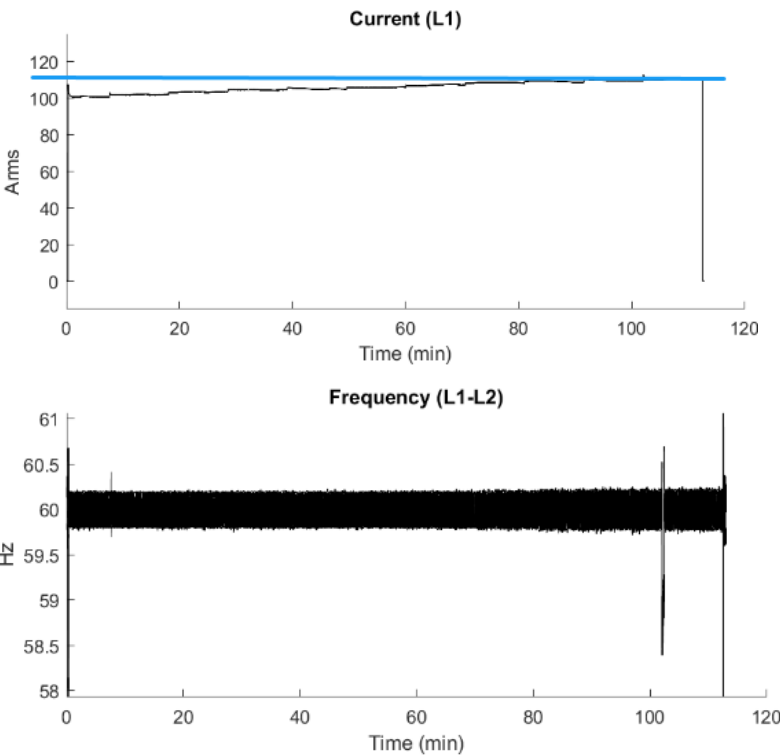


Industrial grade engine and generator heritage equates to generators built to last

Competitive Review – 26RCA Power

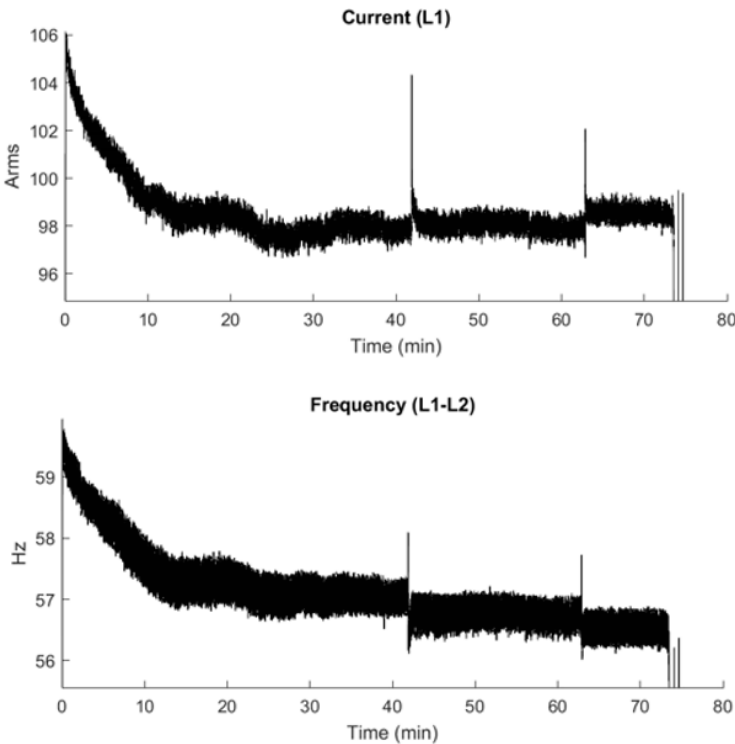
The Kohler 26RCA is the most powerful air-cooled generator in its class

Kohler



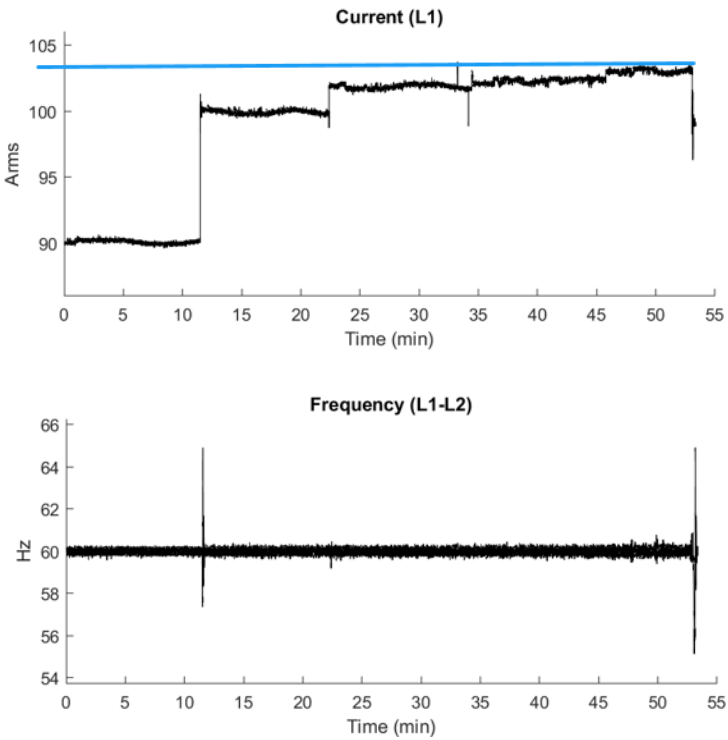
Pulls **109 amps** with *stable* frequency

Competitor A



Current and frequency **drops** over time

Competitor B



Pulls up to **104 amps** and stable frequency

Competitive Review – 26RCA Sound, Fuel Economy, Wind

Sound

Sound testing was performed on each unit within an anechoic sound chamber.

		Kohler 26RCA	Competitor A	Competitor B
spec sheet	Exercise	56	57	63
	HSNL	67	67	65
Actual	Exercise	56	61	62
	HSNL	67	73	68

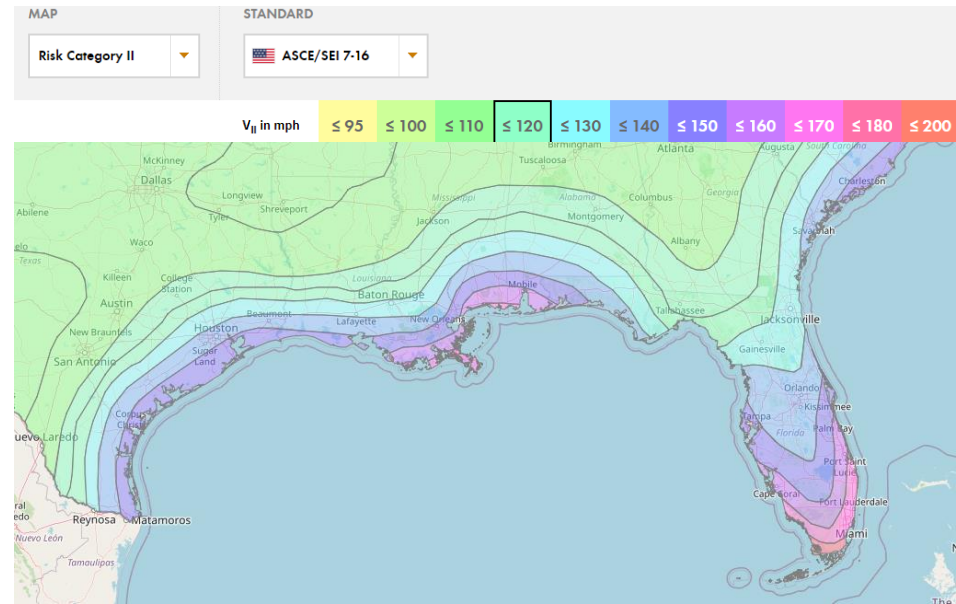
Fuel Economy

Kohler 26RCA is the most fuel-efficient generator in its class. *Important for LP applications*

Fuel	Load	Kohler 26RCA	Competitor A	Competitor B
NG (CFH)	Exercise	67	-	122
NG	50%	180	188	206
NG	100%	290	333	323
LP (Gal/hr)	Exercise	0.9	-	1.3
LP	50%	2.3	2.1	2.6
LP	100%	3.5	3.6	4.7

Wind Ratings

	Kohler 26RCA	Competitor A	Competitor B
Max mph	181	150	186



Category II buildings are classified as single use residential buildings

26RCA Competitive Review – AC Starting

Background: Peak motor starting kVA was the traditional metric for ability to start large loads(ie AC units). This can often be confused with Locked rotor amps, or is compared at different voltage dips.

An alternative and real-world residential application is a generator supporting home electrical loads while starting an air conditioner

Test Results:

Amps	Kohler	Competitor A	Competitor B
NG	81	66	75
LP	92	79	75

- NG - The Kohler 26RCA delivered 23% more amps while still starting the AC unit vs Competitor A, and 8% more than Competitor B
- Kohler can power another 15 amp circuit over competition while still starting the AC unit
- LP - The Kohler 26RCA delivered 16% more amps while still starting the AC unit vs Competitor A, and 23% more than Competitor B



KOHLER



Test Procedure: Understand max preload on a generator while still starting a 5 ton Air conditioner.
Trane model 2TTB3060A1000AA was used for testing

26RCA Feature Review – Exercise

26kW Eco Exercise

- Factory default for the 26RCA
- Recommended for cold conditions <32F

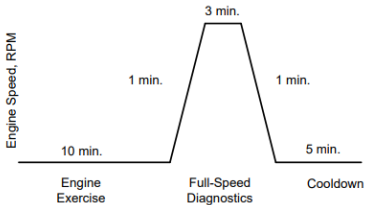
Reduces opportunity for moisture to build within the crankcase/breather system

Monthly frequency recommended

- 90 sec exercise
 - 60 seconds high speed
 - 60 seconds required to fully prime oil pressure at low temperature and perform electrical diagnostics
 - 30 seconds low speed – lower sound
- Reduces fuel usage
- 92% less fuel burn than 20RCA
- 70% less fuel burn than competitor
- Less overall run time on the unit

Other Available Exercises

- Standard Unloaded Exercise
 - Multiple speed exercise for 20 min. Quieter operation



- Unloaded Full speed
 - Ideal for customers who are concerned about change in sound due to speed
- Loaded Full speed
 - Performs actual transfer of house load for 20 min, then 5 min cool down







Competition

- Competition exercise strategy varies between extended or little to no exercise
- Kohler stance is 90 sec is proper balance of verifying proper operation vs minimizing fuel consumption, sound, and cold weather resilience

	Kohler	Competitor A	Competitor B
Exercice	90 sec	5 min	16 sec

- Will move other models to this as standard as testing allows

Competitive Review – Small Frame RCL

				
Brand	Kohler	Competitor A	Kohler	Competitor A
Power, 120/240V, 1P, 60 Hz (LPG/NG)	30/30 kW	32/32	38/38 kW	40/40
Amps LPG/NG @ 240 V Single-phase	125/125	133/133	159/159	167/167
Breaker(amps)	150	150	175	200
Engine Displacement	2.2L Turbo	4.5L	2.2L Turbo	4.5L
Engine - # of cylinders	Inline, 4-cylinder	Inline, 4-cylinder	Inline, 4-cylinder	Inline, 4-cylinder
Intake Air System	Turbo/CAC	NA	Turbo/CAC	NA
Engine RPM	1350/1800	1200/1800	1350/1800	1200/1800
Dimensions(LxWxH)	74 x 33 x 46	84 x 34 x 45	74 x 33 x 46	84 x 34 x 45
Reduced Setback (18")	Yes	yes	Yes	yes
Enclosure Material	Aluminum	Aluminum	Aluminum	Aluminum
181 MPH Wind Rated	Yes	150? 186 with wind load kit	Yes	150? 186 with wind load kit
Fuel consumption @50% NG CFH	187	240	233	289
Fuel consumptions @100% NG CFH	340	406	445	494
Fuel consumption @ 50% LPG Gal/hr	2.4	3.4	2.7	3.8
Fuel consumption @100% LPG Gal/hr	4.0	4.9	4.9	5.7
Sound Level - Normal Op at 7 meters (dBA)	60	64	60	64
Sound Level - Exercise at 7 Meters (dBA)	52	58	52	58
Standard Warranty	5 year Premium limited	5 year Limited	5 year Premium limited	5 year Limited
Availability	2 weeks	Not released for shipment	2 weeks	Not released for shipment



- Outstanding reliability reputation
- 30/38 RCLs have the smallest footprint
- Patented automotive style fan provides the quietest residential generator in the market
- Smaller engine provides lower fuel economy
- Single phase available for shipment

Competitive Review 6-60kW Warranty

	KOHLER	COMPETITOR A	COMPETITOR B
Travel and Labor	200 miles travel and travel labor	100 miles and 3 hours travel labor	100 miles and \$125 trip charge <i>*One trip charge per claim</i>
Warranty Transfer	Transferrable to same owner new location or new owner same location	Transferrable for owner of installation site only	Transferrable for owner of installation site only
Can Purchase Extended Warranty	Up until expiration of original warranty (5-year parts, labor & travel up to 200 miles)	12 Months after initial purchase	12 Months after initial purchase
Extended Warranties Available	7 Year 10 Year	7 Year 10 Year	10 Year
ATS Extended Warranty	7 and 10 year available	Not Available	Not Available
Battery Coverage	12-month, 18-month, 24-month (depending on battery)	No battery warranty	No battery warranty



Controller/Connected



RDC2 Controller

“Brain” of the generator that collects all data from your system; accessible via the display, via a USB cable on PC-based SiteTech application, or remote monitoring mobile apps.

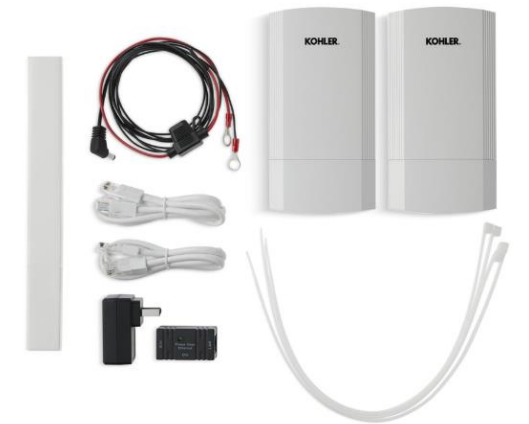


FREE Remote Monitoring for Homeowners & Dealers

Homeowners can monitor their connected generators via OnCue Plus, which will be *replaced by the Kohler Energy Management app in 2024*.

Dealers can control their fleet via the Kohler Energy Management PRO program (access to mobile app and admin web portal).

This program provides capabilities to *view fleets at a glance*, in a map or list view, *remotely diagnose the fleet* by accessing device *data at their fingertips* - including ability to remotely reset nuisance faults.



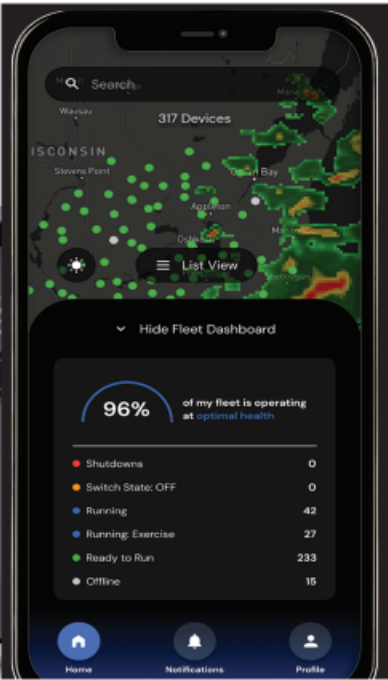
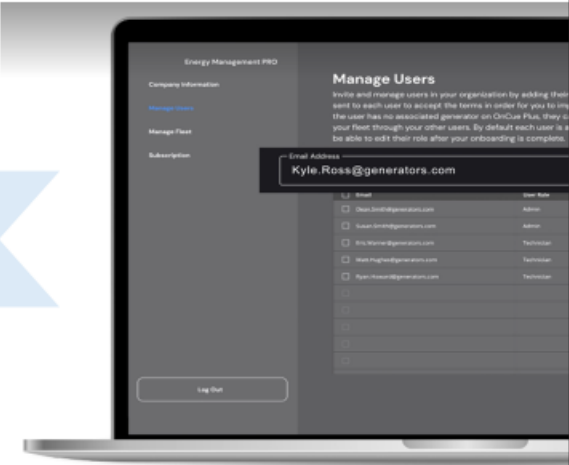
Wireless Kit

Available as loose accessories to get your generators connected wirelessly to the homeowners WiFi router.

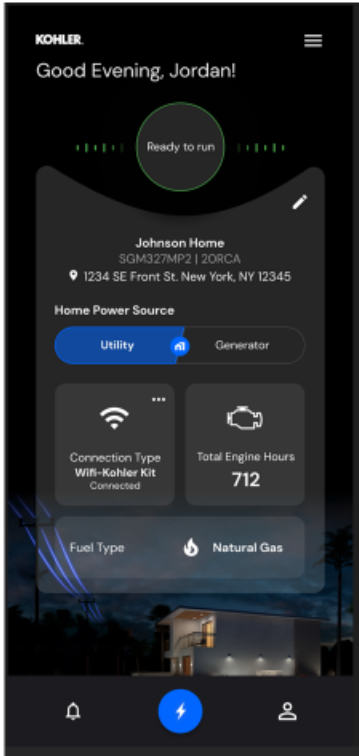
This *eliminates the need to lay long network cables* from generator to home router.

Advanced Peace of mind for Dealers and Homeowners

KOHLER Energy Management PRO



KOHLER Energy Management



Launched
in July 2023

Launching in
August 2024

Dealer App

- **Fleet management**– map view, list view, remote diagnostics, Remote Fault Reset, Historical trends, Event Log, Maintenance Notes, Notifications and alerts
- **FREE** for all dealers

	Kohler Energy Management PRO	Kohler Energy Management
Map view	✓	✗
List view	✓	✗
Remote diagnostics	✓	✓
Remote fault reset	✓	✗
Historical parameter trends	✓	✗
Event log	✓	✓
Maintenance notes	✓	✓
Push Notifications & Alerts	✓	✓

Homeowner App

- Limited status and control; dealer contact from app for further support
- **FREE** for all homeowners