

Models: **14RESA**

KOHLER® Power Systems

**Multi-Fuel
LPG/Natural Gas**

ISO 9001
KOHLER
POWER SYSTEMS
NATIONALLY REGISTERED

GreenBuilder
EDITORS' CHOICE
50
THE HOT
PRODUCTS 2010

**MVP
AWARD**
MOST VALUABLE
PRODUCT 2010

ARCHITECTURAL RECORD
PRODUCT REPORTS 2011



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. The Kohler 14 kW generator can easily start and run a 5 ton air conditioner.*
- **Corrosion-Proof Enclosure**
The bold new Kohler design is completely corrosion proof, even in harsh seaside environments, and is impact-resistant even at -34° C (-30° F).
- **Fast Response**
Kohler generators restore power to your home quickly and reliably.

Standard Features

- **RDC2 Controller**
 - One digital controller manages both the generator set and transfer switch functions (with optional Model RXT).
 - Designed for today's most sophisticated electronics.
 - Electronic speed control responds quickly to varying demand.
 - Digital voltage regulation protects your sensitive electronics from harmonic distortion and unstable power quality.
- **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.
 - Powerful, reliable air-cooled performance.
 - Simple field conversion between natural gas and LPG fuels while maintaining emission certification.
- **Designed for Easy Installation**
 - Polymer base eliminates the need for a concrete mounting pad, reducing installation time and cost.
 - Fuel and electrical connections through the enclosure wall eliminate the need for stub-ups through the bottom.
 - Load connection terminal block allows easy field wiring.
 - Designed for outdoor installation only.
- **Certifications**
 - Meets emission regulations for U.S. Environmental Protection Agency (EPA) with both natural gas and LPG.
Note: CARB does not regulate emergency standby generators with outputs less than 50 HP.
 - UL 2200/cUL listed (60 Hz model).
 - CSA certification available (60 Hz model).
 - GOST certified (Russia).
 - Accepted by the Massachusetts Board of Registration of Plumbers and Gas Fitters
- **Warranty**
 - 5-year/2000 hour limited warranty for on-grid (standby) applications in locations served by a reliable utility source.
 - 18 month/1000 hour limited warranty for off-grid (non-standby) applications.

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

Generator Ratings

Alternator	Voltage	Phase	Hz	Standby Ratings				Line Circuit Breaker	
				Natural Gas		LPG		Amps	Poles
				kW/kVA	Amps	kW/kVA	Amps		
2F5	120 *	1	60	12/12	100	13/13	108	125	1
	110/220	1	60	12/12	54	14/14	63	100	2
	120/240 *	1	60	12/12	50	14/14	58	70	2
	115/230	1	50	10/10	43	11/11	47	70	2
	220†	1	50	10/10	45	11/11	50	50	1
	230	1	50	10/10	43	11/11	47	50	1
	240†	1	50	10/10	41	11/11	45	50	1
2G5	120/208 *	3	60	12/15	41	13/16	45	50	3
	120/240 *	3	60	12/15	36	13/16	39	50	3
	220/380	3	60	12/15	22	13/16	24	32	4
	277/480 *	3	60	12/15	18	13/16	20	25	3
	220/380‡	3	50	10/12	18	11/13	20	25	4
	230/400	3	50	10/12	18	11/13	19	25	4
	240/416‡	3	50	10/12	17	11/13	19	25	4

* UL listed.

† 50 Hz single-phase models are factory-connected as 230 volts. Field-adjustable to 220 or 240 volts by an authorized service technician.

‡ 50 Hz 3-phase models are factory-connected as 230/400 volts. Field-adjustable to 220/380 or 240/416 volts by an authorized service technician.

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 three-phase units are rated at 0.8 power factor. 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.

Alternator Specifications

Alternator Specifications

Specifications	Alternator	
Manufacturer	Kohler	
Type	2-Pole, Rotating Field	
Leads, quantity		
2F5	4	
2G5	12	
Voltage regulator	Digital	
Insulation:	NEMA MG1-1.66	
Material	Class H	
Temperature rise (60 Hz)	130°C Standby	
Temperature rise (50 Hz)	150°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)	
240V, 1 ph	2F5 (4 lead)	33 (60 Hz)
230 V, 1 ph	2F5 (4 lead)	26 (50 Hz)
240 or 480 V, 3 ph	2G5 (12 lead)	54 (60 Hz)
208 V or 416 V, 3 ph	2G5 (12 lead)	38 (50 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%.