



Kohler Generators has introduced new 8, 10 and 12 kW generator sets targeting lower power demand home standby applications, as well as the larger 24 kW Kohler 24RCL gen-set, which is designed to meet the growing power demands of larger homes and small businesses.

## KOHLER EXPANDS STANDBY, PROPANE PRODUCT LINES

New 8, 10 and 12 kW standby gen-sets for consumers, 24 kW for consumers/small business and LP units for rental, construction applications

**K**ohler Generators announced the recent rollout of a new line of standby generators designed for homeowners with lower power requirements seeking standby power at an entry-level price point. The expanded line includes three models — 8, 10 and 12 kW — which the company said is intended to make standby power available to more consumers with smaller budgets.

“All homeowners should have access to safe, reliable backup power — no matter their budgets,” said Thomas Landrum, director of marketing, residential/light commercial for Kohler Generators. “These new

units deliver Kohler quality and performance and address the needs of more homeowners.”

While the 8, 10 and 12 kW standby gen-sets — the 8 RESV/8 RESVL, 10 RESV/10 RESVL and 12 RESV/12 RESVL (The L designates units equipped with Kohler’s new 100 Amp RXT automatic transfer switch) — are priced at the lower end of the company’s home standby offering, they are engineered to provide high-quality power through advanced voltage and frequency regulation along with ultralow levels of harmonic distortion to protect electronics and appliances, Kohler said. In addition,

Kohler’s Powerboost technology is engineered to provide advanced startup power to handle heavy loads and can power up in as little as 10 seconds, the company said.

The 9 RESV sets are powered by single-cylinder Kohler SV620 engines modified to operate on liquid propane or natural gas. The 597 cc engines have a bore and stroke of 94 x 86 mm. The 10 and 12 RESV sets are powered by twin-cylinder Kohler KT725 engines with a bore and stroke of 83 x 67 mm and an overall displacement of 725 cc.

All of the gen-sets also utilize Kohler’s RDC2 controller that incorpo-

rates a two-line backlit display. Kohler's OnCue Plus system that allows remote monitoring capabilities via smartphone, tablet or computer is also included.

All of Kohler's home standby sets from 8 to 20 kW are manufactured at the company's Saukville, Wis., facility.

With an eye toward larger consumer and small business standby applications, Kohler also recently launched the Kohler 24RCL gen-set.

"As homes expand in size and constant connectivity is increasingly emphasized, as well as businesses becoming more technologically advanced, the demand for reliable power continues to grow," Landrum said. "The 24RCL model features an industrial-grade engine that can power everything in a large home or small business, including major mechanicals to sophisticated electronics."

The 24RCL gen-set is driven by a liquid-cooled Kohler KG2204 inline four-cylinder 2.2 L engine with a bore and stroke of 91 x 86 mm. The engine can operate on natural gas or LP, Kohler said.

The engine drives single- or three-phase four-pole Kohler brushless rotating field alternators that deliver 21 kW/kVA single-phase on natural gas or 24 kW/kVA on LP or 21 kW/26 kVA three-phase on natural gas and 23.5 kW/29 kVA on LP at 60 Hz. The unit is also available in 50 Hz versions.

On the industrial side, Kohler Power Systems is in production with two more models of its new range of mobile generator sets. The new line began rolling out earlier this year and will continue through June of 2015. It will ultimately encompass 11 diesel gen-sets from 35 to 680 kVA (28 to 544 kW) and four liquid propane units ranging from 30 to 125 kVA (24 to 100 kW).

The latest units to join the range are the LPG-fueled 50REZGT and 70REZGT gen-sets. The 50REZGT is available in standby ratings of 37 to 42 kW (37 to 52 kVA) and prime ratings of 35 to 40 kW (35 to 50 kVA), while the 70REZGT has standby ratings of 55 to 62 kW (55 to 77 kVA) and prime ratings of 50 to 56 kW (50 to 70 kVA).

"The 50REZGT and 70REZGT are ideal for the event rental, construction, commercial and water utility markets," said Steve Zielke, Kohler Power Systems marketing manager. "The compact gen-sets are engineered to provide reliable power in any situation from disaster recovery and special events to serving as primary power at construction sites and backup power at water utilities, commercial retail and healthcare facilities."

Both gen-sets are engineered to allow for easy switching between optional onboard LP fuel tanks and external LP liquid, LP gas or natural

gas fuel sources. The onboard tank assembly can provide up to 24 hours of operation, the company said, and connection to an external LP or natural gas supply offers extended usage.

The 50REZGT gen-set is powered by a naturally aspirated six-cylinder engine supplied by PSI. The engine has bore and stroke dimensions of 101.6 x 88.4 mm for a total displacement of 4.3 L. The 70REZGT is driven by a naturally aspirated V8 engine, also from PSI. With a bore and stroke of 101.6 x 88.4 mm and a displacement of 5.7 L, both of the liquid-cooled engines utilize three-way exhaust catalysts and electronic isochronous governors.

The engines are mated to Kohler rotating field, brushless rare earth permanent magnet alternators. Gen-set operation is through Kohler's Decision-Maker 3500 digital controller equipped with paralleling and load-management software that allows for paralleling of two generators without the cost and extra footprint of switchgear.

Kohler said servicing is simplified through a patent-pending enclosure that is designed to be easily pulled off after removing some bolts, offering straightforward access to all components without disconnecting any wires or additional parts. In addition, the mobile generators include a fluid containment system to collect any leaking engine fluids.

All Kohler generators come with a standard three-year warranty managed through a service network of more than 10,000 dealers.

The two propane units are eligible for incentives of \$1000 to \$3500 from the Propane Education & Research Council (PERC), Kohler said.

The 24RCL and new mobile gas-fueled gen-sets are built at the company's newly expanded Mosel, Wis., facilities (see August 2014 *Diesel Progress*). **dp**

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Kohler Power Systems' new 50 and 70 kW propane towable generator sets target rental, construction and other industrial applications.