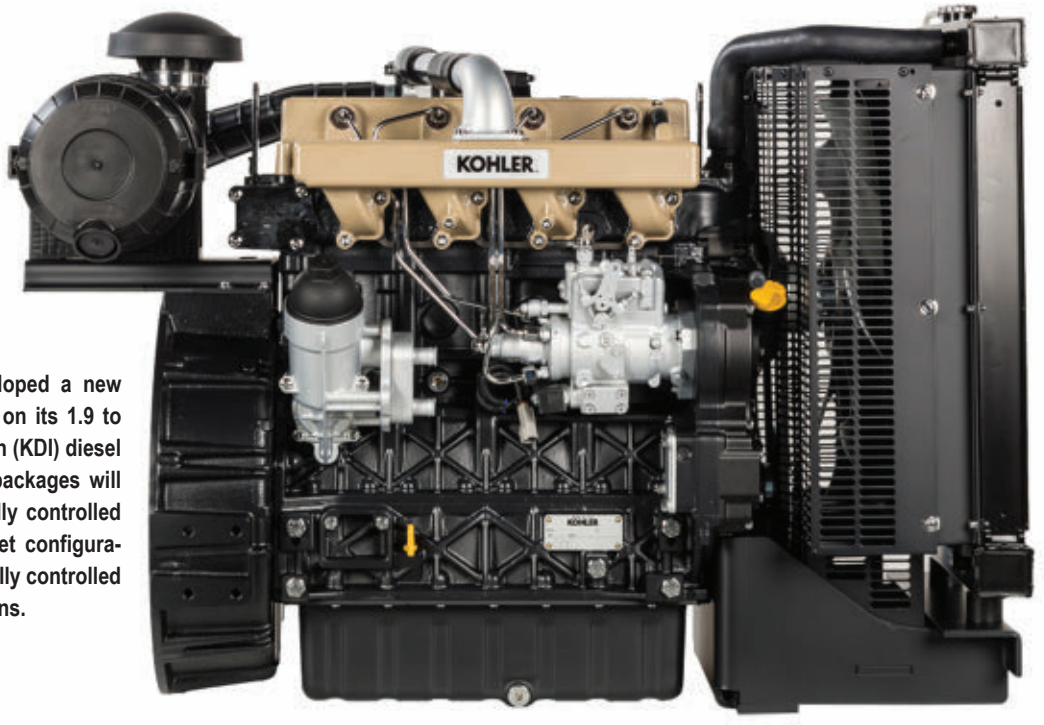

Kohler Engines has developed a new line of power units based on its 1.9 to 3.4 L Kohler Direct Injection (KDI) diesel engines. The power unit packages will be available in mechanically controlled 50 and 60 Hz generator set configurations as well as electronically controlled variable speed specifications.

PLUG-AND-PLAY POWER UNITS

Kohler develops range of power units based on 1.9 to 3.4 L KDI diesel engines

Kohler Engines, a Kohler Power Group company, has developed a new line of power units based on its 1.9, 2.5 and 3.4 L Kohler Direct Injection (KDI) diesel engines. The power unit packages will be available in mechanically controlled 50 and 60 Hz generator set configurations as well as electronically controlled variable speed specifications suitable for machine drives and mobile applications.

"This will really be a tool for our distributors," said Jeff Wilke, product manager for diesel engines at Kohler. "Many of the smaller OEMs (original equipment manufacturers) our distributors work with want things already packaged. They don't want to do fabrication work or sourcing of the cooling system, the controls and everything else.

"What we'll be able to do is offer them a power unit that gives them as much or as little of that as they want, and they can just plug whatever they want into it and go. It's plug and play."

Standard components and accessories of the power units include:

- Radiators and radiator mounting brackets
- Cooling fans and protective grills
- Engine brackets
- Air and fuel filters
- Electric fuel pumps
- Mounted exhaust systems

Kohler said it would offer the KDI power units in several configurations. A basic version will consist essentially of the engine mounted on the frame. "The base model won't have an exhaust system or an air cleaner on it," Wilke said. "The customer will have the flexibility to put those wherever they want.

"We will also have a premium model, which will have the air cleaner and part of the exhaust system along with a more luxury model that will include the air cleaner, a DOC (diesel oxidation catalyst) muffler and a control panel.

"Customers will be able to decide what they want to do themselves and what they want us to deliver in the complete package."

Controls will include simple panels that provide engine speed control using up and down arrows displayed on the panel as well as more sophisti-

Kohler KDI Power Unit 50 Hz Ratings							
	KDI1903M	KDI2504M	KDI2504TM-30	KDI2504TM-40 EU	KDI2504-40	KDI3404TM	KDI3404TM CAC
Prime kW (kVA)	17.3 (19)	23.1 (25.4)	28.2 (31)	33.1 (36.4)	37.3 (41)	55.4 (61.7)	55.4 (61.7)
Standby kW (kVA)	19 (20.9)	25.4 (27.9)	31 (34.1)	36.4 (40)	41 (45)	61 (67.9)	61 (67.9)
Emissions Level	EU Stage 3a	EU Stage 3a	EU Stage 3a	EU Stage 3a	nonregulated	nonregulated	EU Stage 3a

Kohler KDI Power Unit 60 Hz Ratings				
	KDI1903M	KDI2504M	KDI2504TM	KDI3404 TM CAC
Prime kW (kVA)	18.6 (20.5)	26.4 (29)	33.1 (36.4)	63 (70.1)
Standby kW (kVA)	20.5 (22.6)	29 (31.9)	36.4 (40)	68 (75.7)
Emissions Level	EPA Tier 3, Tier 4i	EPA Tier 3, Tier 4i	EPA Tier 3, Tier 4i	EPA Tier 3, Tier 4i

cated throttle controls that use a lever or pedal.

For power generation applications, the power units will be available in a broad range of naturally aspirated and turbocharged, mechanically controlled ratings to meet standby and prime power applications. However, the 3.4 L model is not Tier 4 final-compliant and is intended only for standby applications in the United States, Kohler said. Overall, 60 Hz ratings will range from 19 to 42.5 kW prime at 1800 rpm, with 50 Hz ratings from 18 to 33.5 kW at 1500 rpm (see related charts).

The mechanical drive KDI diesels are available with service intervals up to 1000 hours and are designed for a life cycle of as much as 10,000 hours. Neither the mechanical or electronic engines require the use of a diesel particulate filter (DPF), the company said.

The power units will be assembled at Kohler's Lombardini Engines facility in Reggio Emilia, Italy. **dp**

diesel Weblink

www.kohlerengines.com/kdi