KD SERIES™ GENERATORS

for Industrial Power Systems

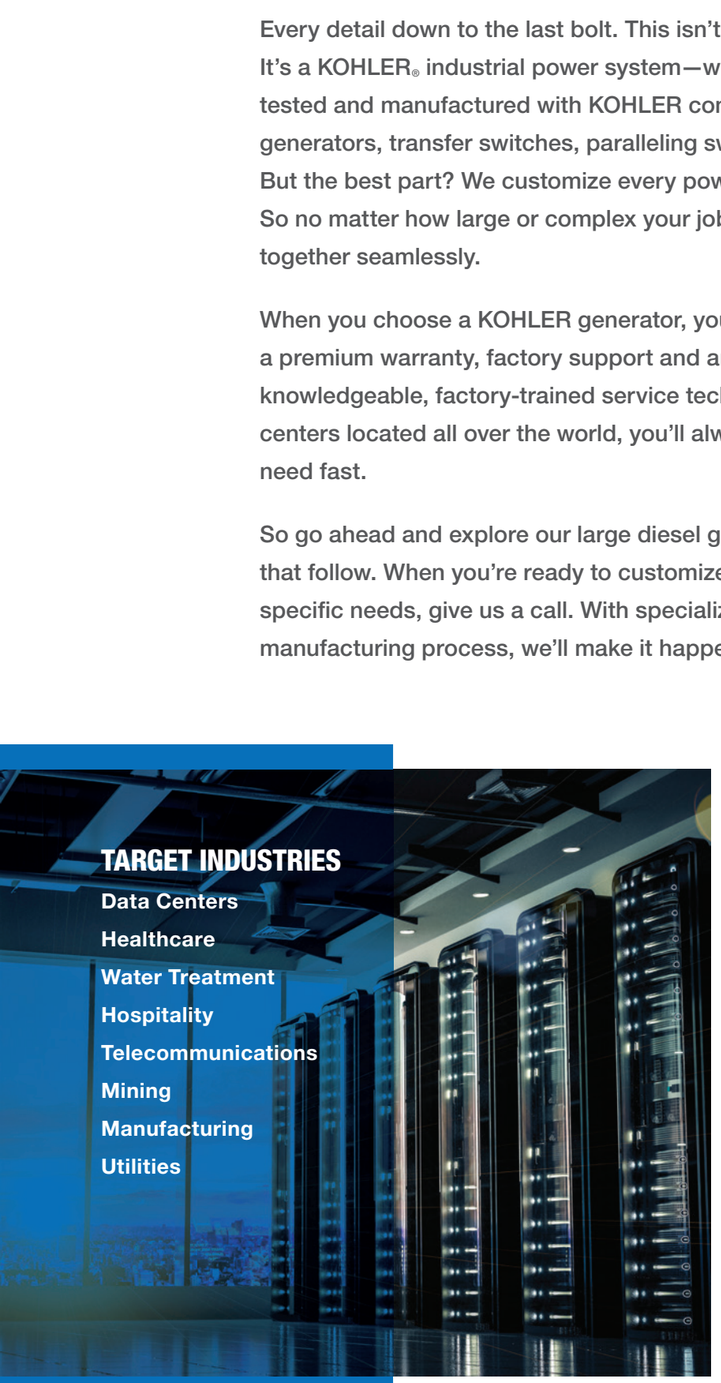
KOHLER®
IN POWER. SINCE 1920.

TOTAL SYSTEM INTEGRATION

Every detail down to the last bolt. This isn't your typical power system. It's a KOHLER® industrial power system—which means it's designed, tested and manufactured with KOHLER components—including generators, transfer switches, paralleling switchgear and controllers. But the best part? We customize every power system to your specs. So no matter how large or complex your job, everything works together seamlessly.

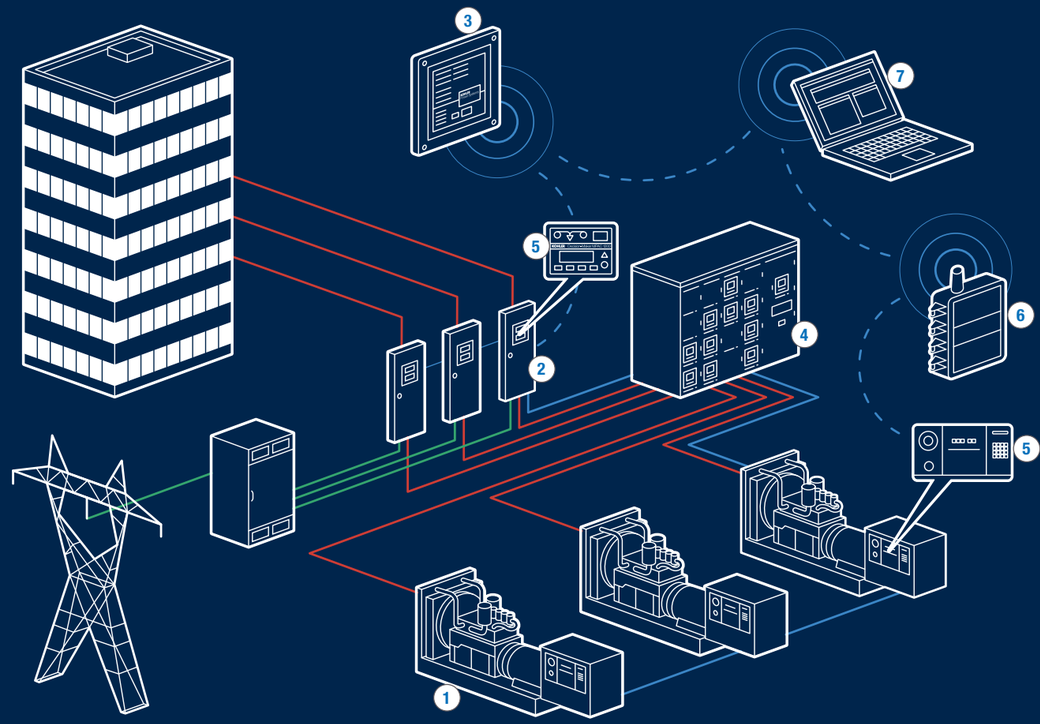
When you choose a KOHLER generator, you know it's backed by a premium warranty, factory support and an extended network of knowledgeable, factory-trained service techs. And with distribution centers located all over the world, you'll always get the parts you need fast.

So go ahead and explore our large diesel generators on the pages that follow. When you're ready to customize a system that meets your specific needs, give us a call. With specialized knowledge and an agile manufacturing process, we'll make it happen.



TARGET INDUSTRIES

- Data Centers
- Healthcare
- Water Treatment
- Hospitality
- Telecommunications
- Mining
- Manufacturing
- Utilities



TOTAL SYSTEM INTEGRATION

1. **KOHLER® GENERATOR**
   800-4000 kW
2. **KOHLER AUTOMATIC TRANSFER SWITCH**
   Open, closed and programmed – transition operating modes; standard, bypass-isolation and service-entrance switch configurations
3. **KOHLER REMOTE ANNUNCIATOR**
   Remote monitoring and testing of transfer switches
4. **KOHLER PARALLELING SWITCHGEAR**
   Low and medium voltage
5. **KOHLER APM802 DIGITAL CONTROLLER**
   Controls, monitors and aids system diagnostics
6. **KOHLER WIRELESS MONITOR**
   Performance monitoring around the clock
7. **KOHLER MONITORING SOFTWARE**
   Monitors generators and transfer switches from a PC

KD SERIES™ GENERATORS

800–4000 kW

Built for the most critical jobs on earth.

REVOLUTIONARY AND RELIABLE

With almost a century of engineering know-how behind it, our G-Drive engines are built with an eye on the future – designed to last for decades to come. We engineer, test and fit every single component. And our computer-aided quality-management system oversees every step of development, from the first stage of production through the engine's entire lifecycle, to ensure the highest level of quality.

TESTED AND APPROVED

Created specifically for generator set applications, our G-Drive engines combine greater power with superior efficiency. Reaching up to 43.5 kW/liter, KOHLER® G-Drive engines pair a compact engine form factor with unrivaled kW displacement—delivering the highest power density on the market*. All KOHLER generators meet tough industry testing and quality standards (UL2200, CSA, NFPA).

SMOOTH-RUNNING

The KOHLER G-Drive engine runs smoothly, quietly and with low vibration—even under extreme operating conditions—extending service life and delivering cost-effective performance.

ULTIMATE PERFORMANCE

The KOHLER G-Drive diesel engine's architecture, injection system and engine management have been designed to achieve optimal generator set performance.

FUEL-EFFICIENT

The common rail fuel system generates up to 2200-bar injection pressures for maximum efficiency, optimizing the combustion pressure curve through multiple injections. This produces industry-leading kW displacement in a package that enables a smaller generator set footprint while delivering the best fuel consumption at more nodes than any competitor between 800 kW and 2500 kW.

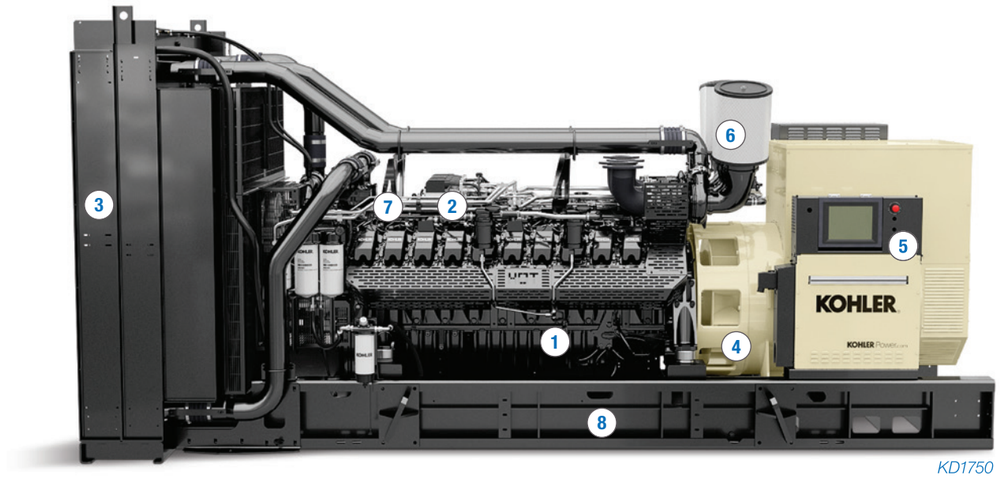
COMMON SERVICE PART NUMBERS

A modular system allows us to scale the number of components depending on the power required. Using standard components means fewer parts must be stocked in the field, and operators require less training. This reduces costs and improves response time.

CONTROL AND MAINTENANCE

KD Series generators feature integrated controls for seamless communication and offer remote monitoring through a VPN connection. Easy-access bearing lube points, coolant level optical gauges on both circuits and oil replenishment systems help ensure the generator runs optimally and is easy to maintain.

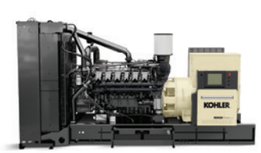
*Higher power density at more nodes than any competitor between 800 – 2500 kW.

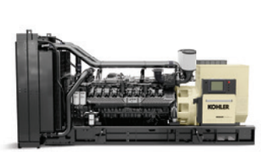


KD1750

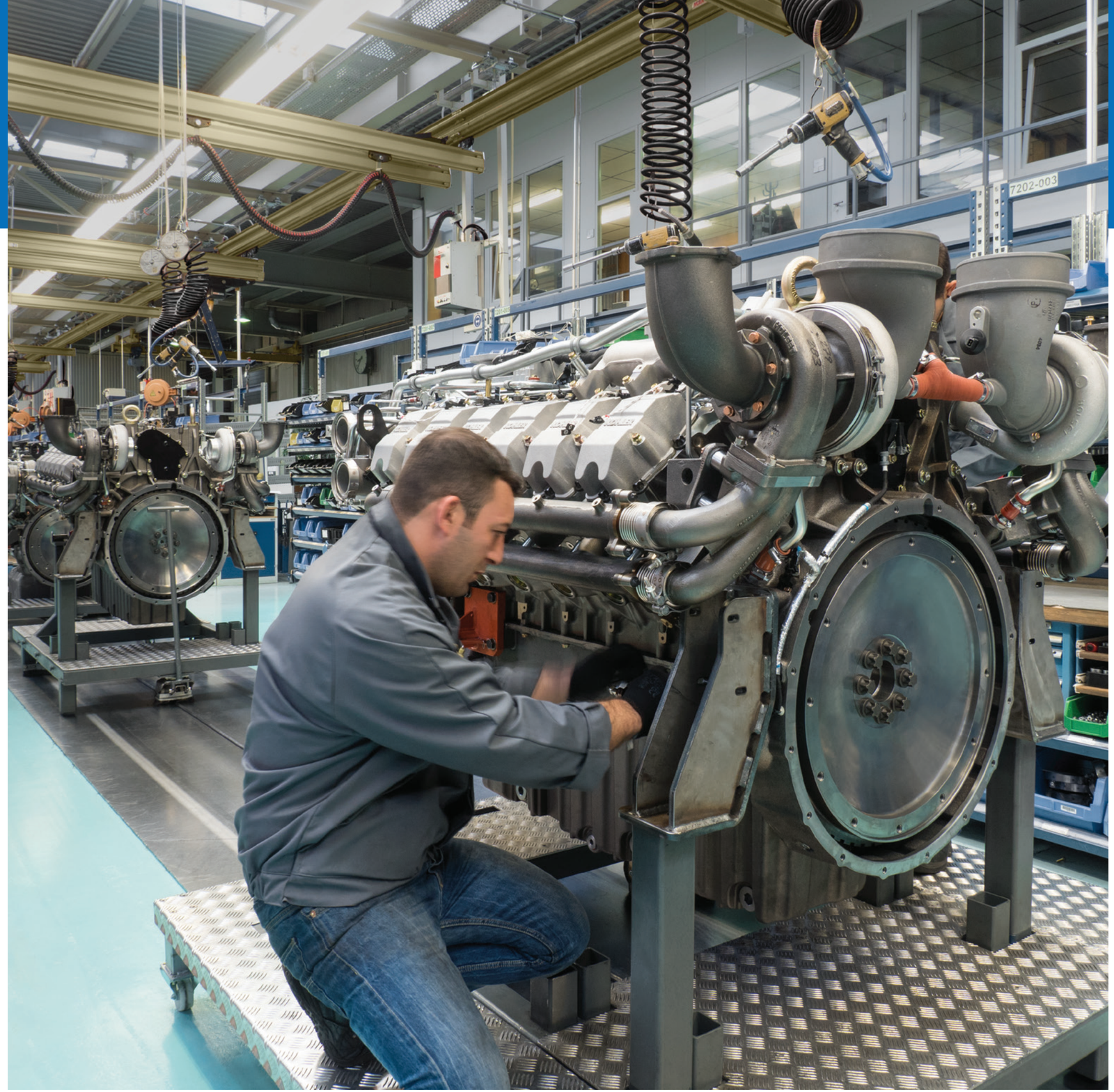
1. *EMISSION-CERTIFIED*
   Clean-running engines, featuring closed crankcase ventilation, meet EPA emissions standards
2. *FUEL SYSTEMS*
   Common rail injection systems, designed specifically for the KOHLER® large diesel range
3. *HIGH-AMBIENT 50° COOLING SYSTEMS*
   Designed to meet extreme operating conditions, segmented radiator core sections allow for single replacement instead of entire core
4. *EFFICIENT PMG ALTERNATORS*
   Provide advanced short circuit capability and meet NEMA MG 1, IEEE and ANSI standards; multiple alternator options available
5. *KOHLER APM802 CONTROLLER*
   Large touchscreen controller with intuitive user interface for paralleling, load and generator management
6. *LOW COMBUSTION AIR*
   Requires less air to run, creating fewer emissions and enabling optimal performance inside an enclosure
7. *FUEL PUMP*
   Efficiently generates high fuel lift and provides flexibility to configure remote fuel delivery systems
8. *OPTIONS AND ACCESSORIES*
   Multiple circuit breakers, battery heaters, block heaters, battery charger, prelube pump and centrifugal oil filter

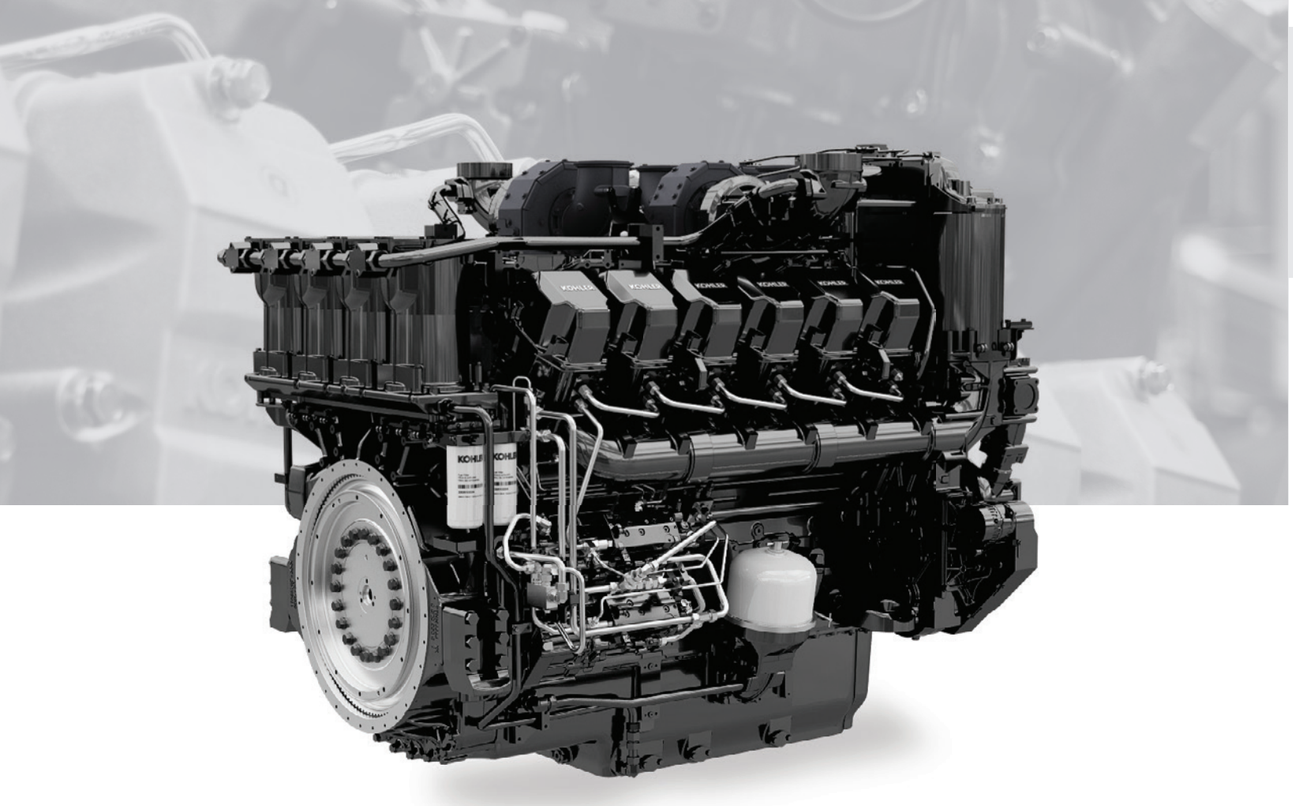
SPECIFICATIONS





MODEL	STANDBY 60 Hz (kW/kVA)	PRIME 60 Hz (kW/kVA)	RPM	ENGINE MANUFACTURER	EPA EMISSIONS
KD800	800/1000	720/900	1800	Kohler	Tier 2
KD900	900/1125	810/1012	1800	Kohler	Tier 2
KD1000	1000/1250	900/1125	1800	Kohler	Tier 2
KD1250	1250/1562	1120/1400	1800	Kohler	Tier 2
KD1500	1500/1875	1350/1687	1800	Kohler	Tier 2
KD1600	1600/2000	1440/1800	1800	Kohler	Tier 2
KD1750	1750/2187	1580/1975	1800	Kohler	Tier 2
KD2000	2000/2500	1820/2275	1800	Kohler	Tier 2
KD2250	2250/2812	2050/2563	1800	Kohler	Tier 2
KD2500	2500/3125	2270/2837	1800	Kohler	Tier 2
KD2800	Coming Soon		1800	Kohler	Tier 2
KD3000	Coming Soon		1800	Kohler	Tier 2
KD3250	Coming Soon		1800	Kohler	Tier 2
KD3500	Coming Soon		1800	Kohler	Tier 2
KD3800	Coming Soon		1800	Kohler	Tier 2
KD4000	Coming Soon		1800	Kohler	Tier 2





KOHLER® G-DRIVE ENGINES

Massive power in a compact package.

KOHLER G-Drive diesel engines are manufactured with the highest-quality materials and systems. Engineered over a six-year period for use in generator set applications, these engines are built for the toughest environmental conditions. If it's dependability you're after, look no further. Our G-Drive engines have proven their power and reliability during nearly 50,000 hours of arduous tests— both in the laboratory and on-site. All of which makes them ideal for a variety of crucial applications such as data centers, hospitals, power plants and mining sites.

ENCLOSURES

Reduce the racket. And put Mother Nature in her place.

If you want to keep the weather out and the noise in, there's really only one way to go. KOHLER® enclosures are bolstered by heavy-duty aluminum and acoustic insulation to protect your investment and keep the noise down. In addition, we coat every unit with Power Armor™ (a textured industrial finish) for heavy-duty durability in harsh conditions. The new design includes a sloped roof to increase the life and safety of the generator.

STANDARD FEATURES

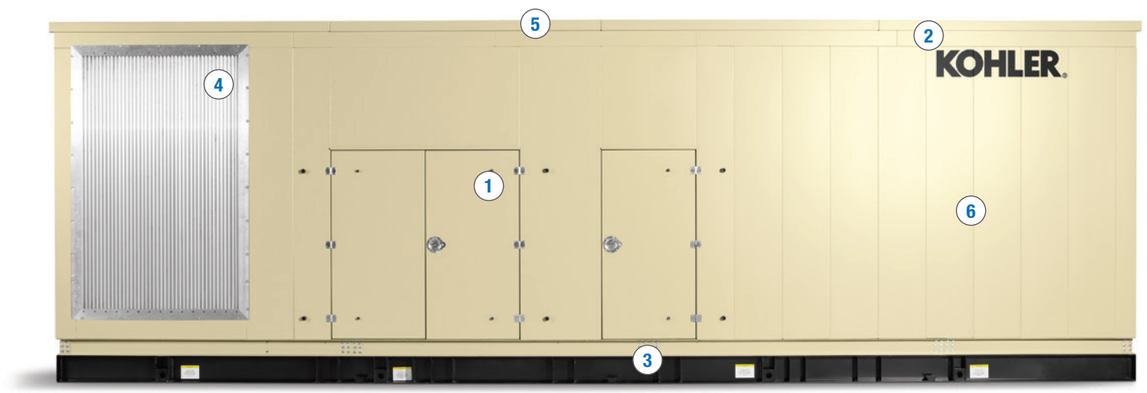
Fitted Enclosures
Sound enclosures feature durable aluminum construction, stainless steel external hardware and an LED emergency lighting system.

Quiet Performance
Our SL1 and SL2 enclosures offer acoustic insulation to meet your quiet applications.

Certified Packages
Enclosures are UL2200-tested and approved, IBC-certified, OSHPD-certified and meets up to 181-mph wind rating

Advanced Corrosion Protection
Power Armor is a textured automotive-grade finish that surpasses a 2500-hour salt spray exposure test and resists fading and scratching.

1. *SERVICE ACCESS*
   Multiple personnel doors and removable panels offer easy access to generator control, fuel fill, fuel gauge, oil fill and battery
2. *INTERNAL EXHAUST SYSTEM*
   Features insulated exhaust silencer for improved aesthetics, safety and noise reduction
3. *OIL AND RADIATOR DRAINS*
   Provide an easier, quicker way to service your generator
4. *AIR INLETS*
   Louvered air inlets limit water ingress and shorten overall length of enclosure
5. *SLOPED ROOF*
   Reduces water pooling and increases enclosure life
6. *AVAILABLE ACCESSORIES*
   Electrical packages, heaters, motorized louvers, stairs and more

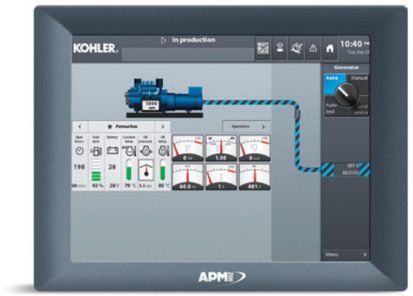


KD1750

KOHLER APM802 DIGITAL CONTROLLER

Technology so advanced, it's easy.

The APM802 provides advanced controls, system monitoring and system diagnostics along with remote access—all in a large touch display with intuitive local data access. All critical system information is available locally, as well as remotely, providing you a real-time view of generator performance.



APM802 Digital Controller

STANDARD FEATURES

- 12" touch display for access to information at your fingertips
- Remote access for monitoring and control from anywhere including your mobile device
- Communication with serial (RS-485) and Ethernet (RJ-45) to support Modbus™
- Data logging and trending for easy troubleshooting
- Exporting of logged data, event log and screen shots onto USB
- Advanced input and output configuration to customize your needs

SUB-BASE FUEL TANKS

Made to match your environmental needs.

If it's environmental protection you want, you're in the right place. KOHLER® tanks feature two pressure-tested containment walls to keep your fuel where it should be—inside. Plus, they're coated with Power Armor Plus™ (a textured epoxy-based, rubberized finish) for heavy-duty durability.

STANDARD FEATURES

Environmental Protection
Our tanks are UL-approved secondary containment tanks and can be configured to meet cUL, IBC, OSHPD and other required codes.

Multiple Sizes
Usable tank capacities provide up to 96 hours of operation. Efficient fuel pump generates high fuel lift, which allows for tremendous flexibility to configure remote fuel delivery systems.

Custom Options
Choose from alarm panels, spill-fill containments, high-fuel switches, tank markings and more.

Premium Protection
Our Power Armor Plus—polyurea-textured coating eliminates the need for exterior epoxy treatment and provides excellent abrasion resistance and corrosion protection.

1. *STATE TANK*
   Spill-fill containments, three-alarm panel, fuel basin switch and tank markings
2. *EMERGENCY PRESSURE RELIEF VENTS*
   Ensure proper venting of inner and outer tank during extreme conditions
3. *NORMAL VENT WITH CAP*
   Raised above the lockable fuel fill cap
4. *ELECTRICAL STUB-UP*
   Features large stub-up area for easy installation
5. *LEAK DETECTION SWITCH*
   Annunciates a contained primary tank fuel leak at generator control
6. *FUEL SWITCH*
   Interfaces with controller to provide fuel level indication

Sub-Base Fuel Tank

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North America 800.544.2444

Discover the Kohler Difference at **KohlerPower.com/Industrial**

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