

# **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

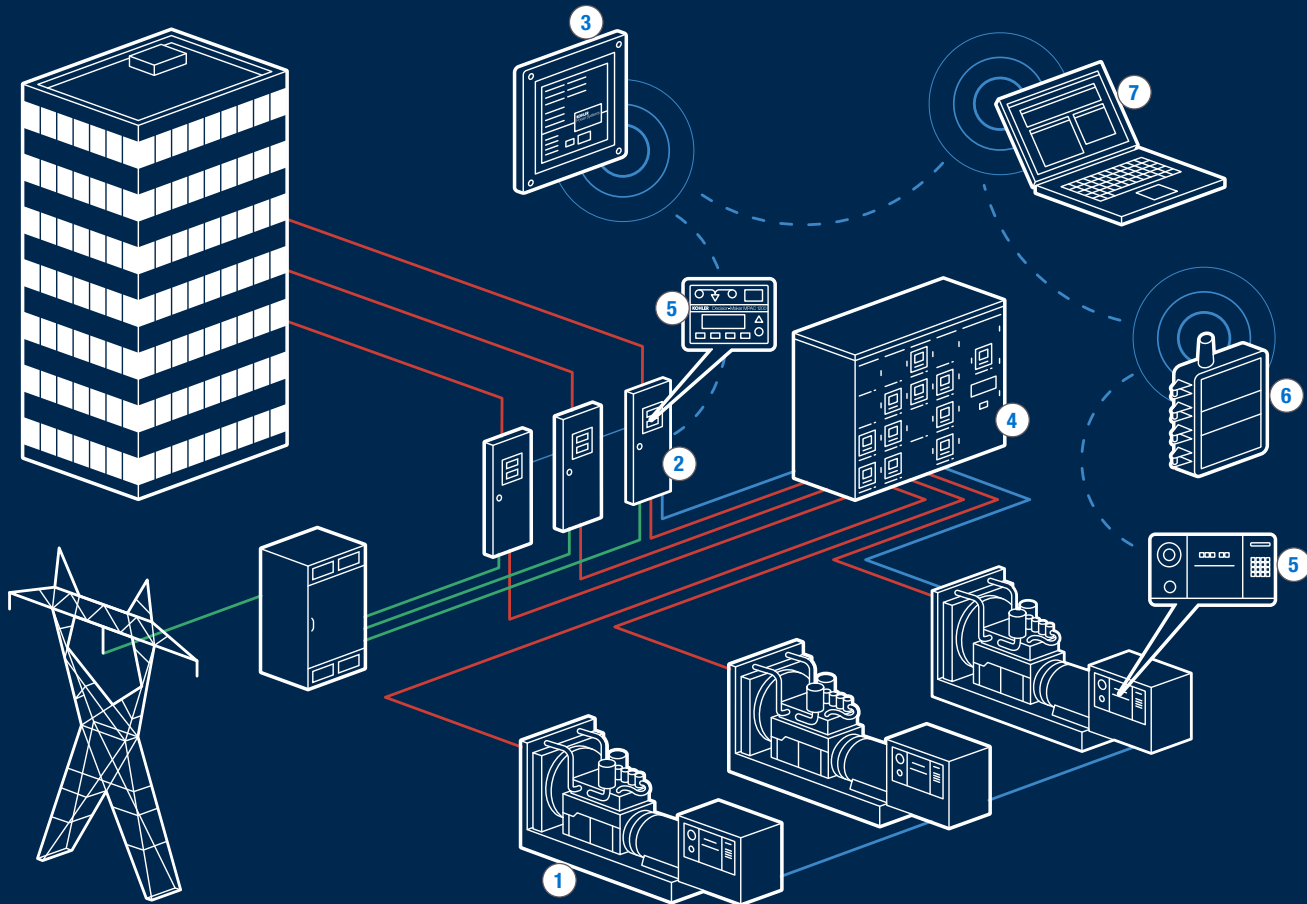
Telecommunications

Mining

Manufacturing

Utilities





## TOTAL SYSTEM INTEGRATION

- 1 KOHLER® GENERATOR**  
800-4200 kVA

- 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

800–4200 kVA

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 54-38 kVA, 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 1000 kVA and 3125 kVA.

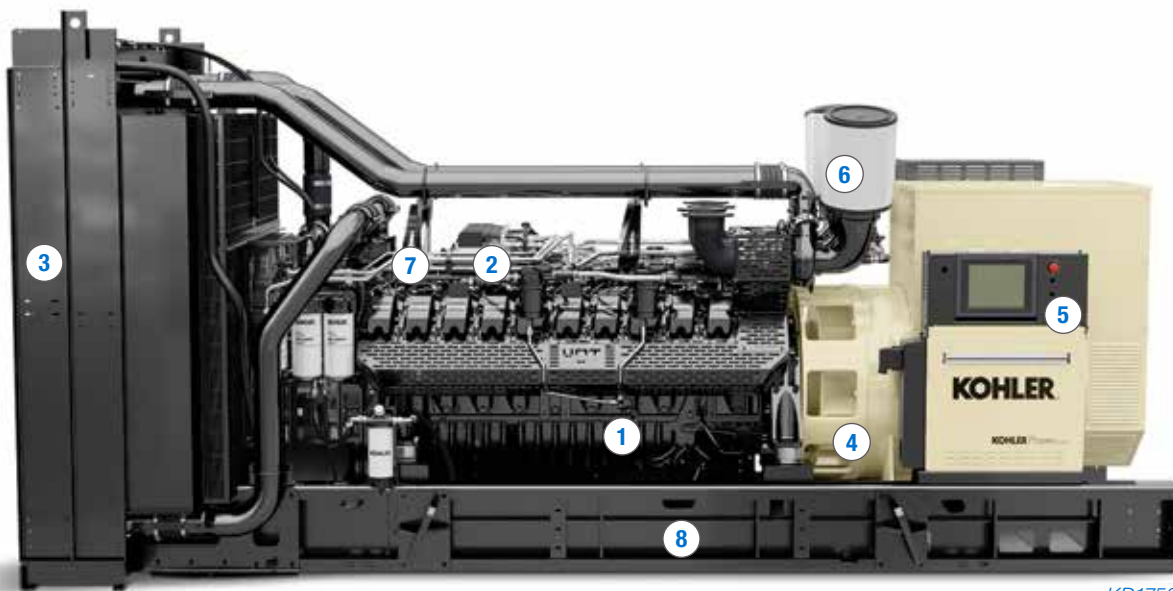
## COMMON SERVICE PART NUMBERS

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.

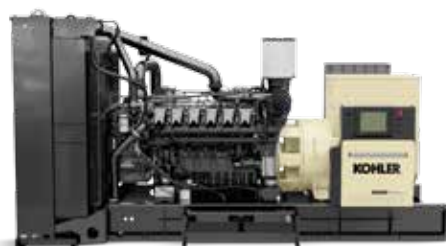
\*Higher power density at more nodes than any competitor between 800 – 2500 kW.



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



KD800



KD1500



KD2800

## 50Hz

MODELS	STANDBY (kW/kVA)	PRIME (kW/kVA)
KD800-YF	720/900	632/790
KD900-YF	800/1000	720/900
KD1000-YF	880/1100	792/990
KD1250-YF	1152/1440	1040/300
KD1500-YF	1200/1500	1080/1350
KD1600-YF	1320/1650	1184/1480
KD1750-YF	1440/1800	1296/1620
KD2000-YF to kd4000-YF	Coming Soon	

US models

MODELS	STANDBY (kW/kVA)	PRIME (kW/kVA)
KD800-E/F	640/800	582/727
KD900-E/F	720/900	654/818
KD1000-E/F	800/1000	727/909
KD1100-E/F	880/1100	800/1000
KD1250-E/F	1000/1250	909/1136
KD1440-E/F	1150/1440	1047/1309
KD1500-E/F	1200/1500	1091/1364
KD1650-E/F	1320/1650	1200/1500
KD1800-E/F	1440/1800	1309/1636
KD2000-E/F	1600/2000	1454/1818
KD2250-E/F	1800/2250	1636/2045
KD2500-E/F	2000/2500	1818/2273
KD2800-E/F	2240/2800	2036/2545
KD-3000-E/F to KD4200-E/F	Coming Soon	

France models

# 60Hz

MODELS	STANDBY (kW/kVA)	PRIME (kW/kVA)
<b>KD800</b>	800/1000	720/900
<b>KD900</b>	900/1125	810/1012
<b>KD1000</b>	1000/1250	900/1125
<b>KD1250</b>	1250/1562	1120/1400
<b>KD1500</b>	1500/1875	1350/1688
<b>KD1600</b>	1600/2000	1440/1800
<b>KD1750</b>	1750/2188	1580/1975
<b>KD2000</b>	2000/2500	1810/2262
<b>KD2250</b>	2500/3125	2040/2550
<b>KD2500</b>	2500/3125	2270/2838
<b>KD2800 to KD4000</b>	Coming Soon	

US models

MODELS	STANDBY (kW/kVA)	PRIME (kW/kVA)
<b>KD800-UE/F</b>	800/1000	727/909
<b>KD900-UE/F</b>	900/1125	818/1029
<b>KD1000-UE/F</b>	1000/1250	909/1136
<b>KD1250-UE/F</b>	1250/1562.5	1136/1420
<b>KD1500-UE/F</b>	1500/1875	1364/1705
<b>KD1600-UE/F</b>	1600/2000	1454/1818
<b>KD1750-UE/F</b>	1750/2187.5	1591/1989
<b>KD2000-UE/F</b>	2000/2500	1818/2273
<b>KD2250-UE/F</b>	2250/2812.5	2046/2557
<b>KD2500-UE/F</b>	2500/3125	2273/2841
<b>KD-2800-UE/F to KD4000-UE/F</b>	Coming Soon	

France models

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# **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.

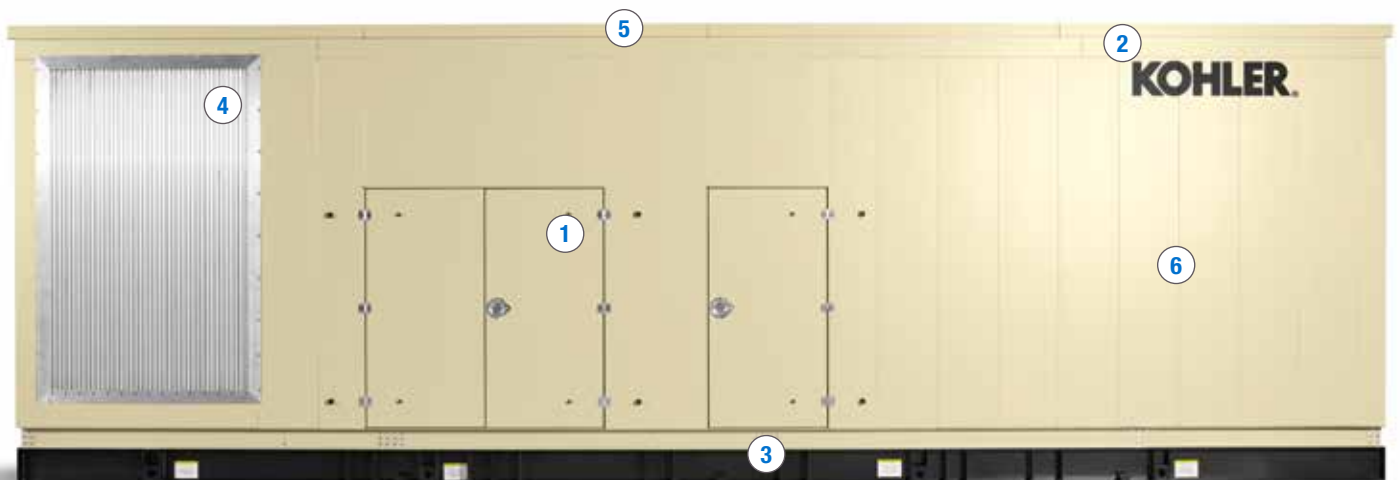
### Certified Packages

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.

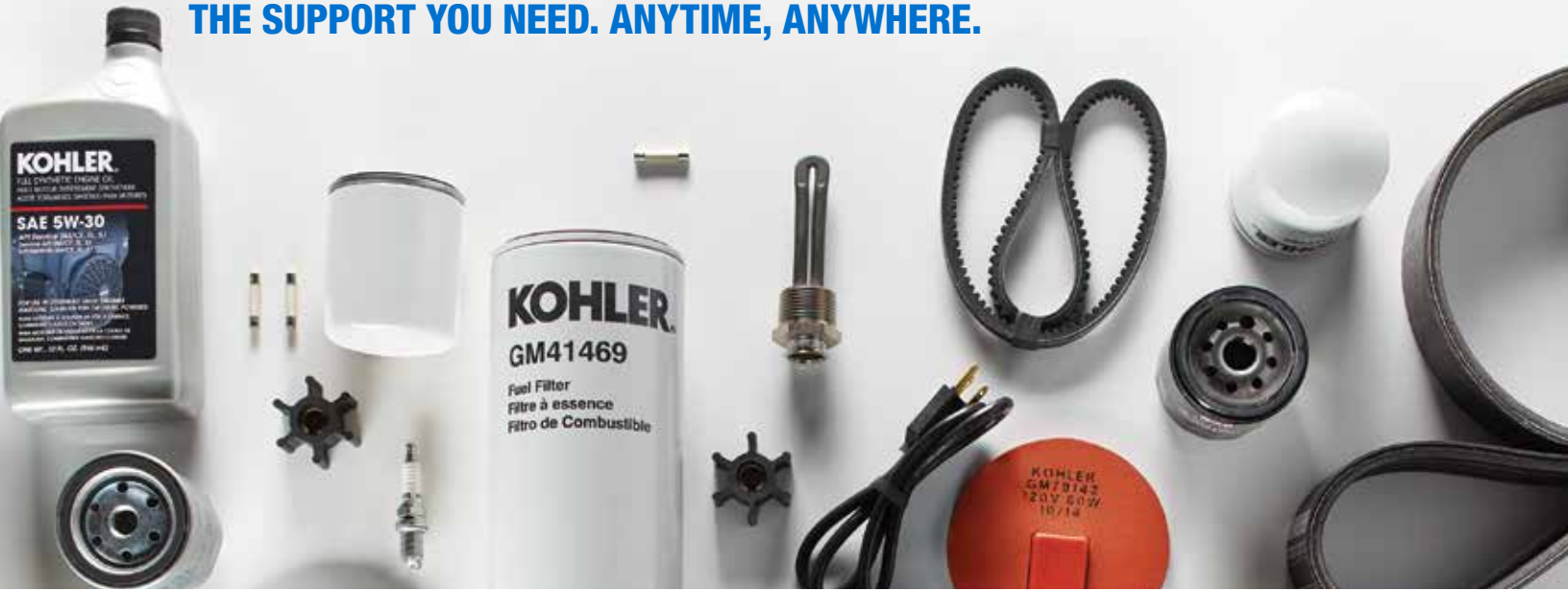
- 1 STATE TANK**  
*Spill-fill containments, three-alarm panel, fuel basin switch and tank markings*
- 2 EMERGENCY PRESSURE RELIEF VENTS**  
*Ensure proper venting of inner and outer tank during extreme conditions*
- 3 NORMAL VENT WITH CAP**  
*Raised above the lockable fuel fill cap*
- 4 ELECTRICAL 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

# SALES SERVICE AND PARTS

THE SUPPORT YOU NEED. ANYTIME, ANYWHERE.



## TRUSTED EVERYWHERE

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### Kohler Power India

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