

**KOHLER** Power Systems

# GAS GENERATORS



## TOTAL SYSTEM INTEGRATION

GENERATORS | TRANSFER SWITCHES | SWITCHGEAR | CONTROLS



KOHLER  
Power Systems

45

KOHLER Power.com

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# KOHLER® NATURAL GAS/LP GENERATORS

PURPOSE-BUILT SOLUTIONS FOR EVERY APPLICATION.

Protect your critical power applications with the generators that are proven to work. Custom-tailored to your specifications. And engineered to provide you with consistent, reliable power.

Unlike manufacturers who offer a continuous-power generator for use in prime and standby applications, Kohler offers a full line of natural gas generators that are designed to work specifically for continuous, prime or standby applications – making Kohler the cost-efficient, targeted solution. Our low-speed, 1800-rpm generators provide quiet operation with long-lasting durability. And all of them meet EPA requirements.

Before they see the light of day, KOHLER natural gas and LP generators endure tough testing standards. And to make sure they hold up in harsh conditions, we coat the generator enclosures, skids and components with Power Armor® Paint System, a textured industrial finish that provides corrosion-resistant, heavy-duty durability.



# GAS GENERATORS

CUSTOM MADE TO MEET YOUR NEEDS.

25-400 kW

From light commercial use to heavy industrial applications, KOHLER® gas generators are customized to your specifications.

Kohler was the first generator manufacturer to offer EPA factory-certified ratings in 180 to 400-kW generators. Now, every size from 25 to 400 kW is available EPA-certified, which saves you big dollars on site certification. Plus, these generators are capable of tying into your natural gas utility or LP supply – so you'll never have to think about fuel again.

## STANDARD FEATURES

### TESTED AND APPROVED

KOHLER generators meet tough industry testing and quality standards (UL, CSA, IBC, NFPA).

### ONE-STEP FULL-LOAD ACCEPTANCE

Our gas generators accept full load to keep you up and running.

### ULTIMATE PERFORMANCE

Our 1800-rpm engines run quietly, offer extended life and provide great fuel efficiency.

### FACTORY-CERTIFIED GENERATORS

Every size KOHLER gas generator is available EPA-certified, ECM-controlled and designed to meet the latest spark-ignited emission requirements.

### LOWER EMISSIONS

Compared to diesel-fueled generators, KOHLER gas generators significantly reduce carbon monoxide and particulate emissions.

### 1 EMISSION-CERTIFIED

Three-way catalyst reduces nitrogen oxides, carbon monoxide and hydrocarbon emissions

### 2 FUEL SYSTEMS

Available with natural gas, LP, single or dual fuel and liquid withdrawal systems

### 3 HIGH-AMBIENT COOLING

Designed to meet extreme operating conditions

### 4 KOHLER PMG ALTERNATORS

Provide advanced short-circuit capability and meet NEMA MG 1, IEEE and ANSI standards

### 5 KOHLER DECISION-MAKER® CONTROLLERS

Available with basic, advanced and paralleling options

### 6 OPTIONS AND ACCESSORIES

Improved motor-starting alternators, multiple circuit breakers, enclosures, block heaters and more





**25REZG**



**200REZXB**



**125REZGB**

MODEL	NG STANDBY 60 Hz (kW/kVA)	LP STANDBY 60 Hz (kW/kVA)	NG PRIME 60 Hz (kW/kVA)	LP PRIME	RPM	Emissions
25REZG	25/31	25/31			1800	EPA-certified
30REZG	30/38	30/38	27/33	27/33	1800	EPA-certified
40REZG	39/49	40/50			1800	EPA-certified
45REZG	42/53	45/56	37/46	41/51	1800	EPA-certified
50REZGB	53/66	55/69			1800	EPA-certified
60REZGB	60/75	64/80	54/67	56/70	1800	EPA-certified
80REZGD	80/100				1800	EPA-certified
100REZGD	100/125	100/125			1800	EPA-certified
125REZGC	128/160	106/133			1800	EPA-certified
150REZGC	150/188	139/174			1800	EPA-certified
180REZXB	190/238	130/163	164/205		1800	EPA-certified
180RZXB	190/238	130/163	164/205		1800	
200REZXB	200/250	130/163	175/219		1800	EPA-certified
200RZXB	200/250	130/163	174/219		1800	
250REZXB	260/325	170/213	235/294		1800	EPA-certified
250RZXB	260/325	175/219	235/294		1800	
300REZXB	300/375	210/263	270/338		1800	EPA-certified
300RZXB	300/375	210/263	270/338		1800	
350REZXB	355/444	240/300	300/375		1800	EPA-certified
350RZXB	355/444	240/300	300/375		1800	
400REZXB	400/500	260/325	360/450		1800	EPA-certified
400RZXB	400/500	260/325	360/450		1800	

Ratings based on 3-phase, 480 V

50 Hz non-emissions models and single-phase ratings are also available

For additional technical specifications, visit [KohlerPower.com](http://KohlerPower.com).

# LARGE GAS GENERATORS

THE RIGHT POWER – AND THE RIGHT POWER RATING.

400-1300 kW

KOHLER® large gas generators are custom-designed and targeted to fit your specific requirements. Many “one size fits all” models are built for continuous power, which limits their power rating for standby and prime applications. In contrast, every KOHLER generator is designed to work specifically for standby, prime or continuous applications – whatever you need. That means greater power efficiency and cost savings.

To power these proven generators, each engine is specially tuned to the generator system for optimal power efficiency. Plus, we’ve simplified the installation process – every model\* is available EPA-certified to meet operational requirements on pipeline natural gas. There’s no need to certify or recertify.

\*Except the 1300REZCK model, which is available EPA-compliant.

## STANDARD FEATURES

### PROVEN ENGINE

Engines are specially tuned to optimize system performance, accept a wide range of input fuels and are highly resistant to fuel contamination.

### TESTED AND APPROVED

KOHLER generators meet tough industry testing and quality standards (UL, CSA, NFPA).

### ULTIMATE PERFORMANCE

1800-rpm engines run quietly, offer extended life and provide cost-effective performance.

### CLEAN RUNNING

KOHLER large gas generators run cleanly and need no after-treatment to meet strict EPA emissions standards.

### LOWER EMISSIONS

Compared to diesel-fueled generators, KOHLER gas generators significantly reduce nitrogen oxide and particulate emissions.

### 1 EMISSION-CERTIFIED

Clean-running engines need no after-treatment to meet EPA emissions standards

### 2 FUEL SYSTEMS

Standard configuration for natural gas; capable of a wide range of nonpipeline fuels

### 3 HIGH-AMBIENT COOLING

Designed to meet extreme operating conditions

### 4 EFFICIENT PMG ALTERNATORS

Provide advanced short-circuit capability and meet NEMA MG 1, IEEE and ANSI standards

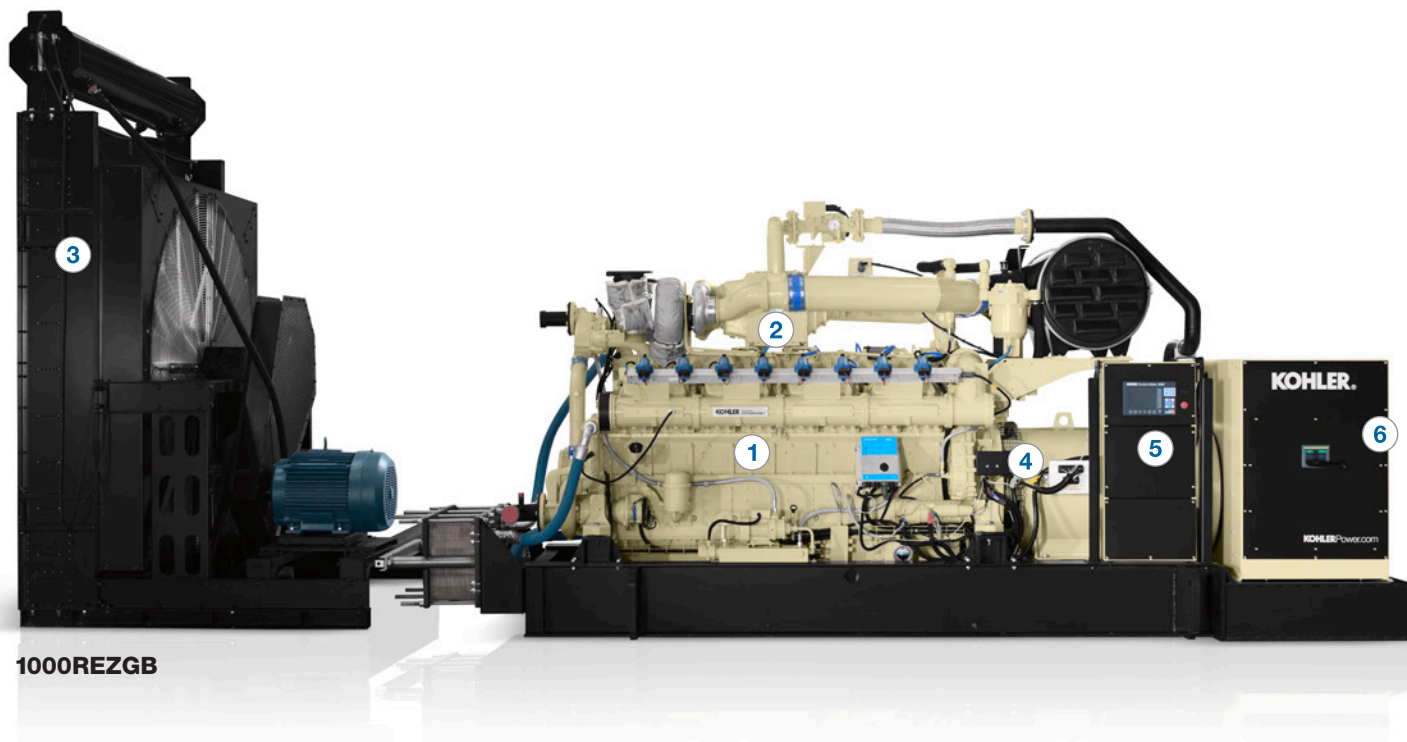
### 5 KOHLER DECISION-MAKER® CONTROLLER

Large-screen controller for paralleling, load management and generator management

### 6 OPTIONS AND ACCESSORIES

Improved motor-starting alternators, multiple circuit breakers, enclosures, block heaters and more





1000REZGB

MODEL	NG STANDBY 60d Hz (kW/kVA)	NG PRIME 60 Hz (kW/kVA)	NG CONTINUOUS 60 Hz (kW/kVA)	RPM	Emissions
500REZK	500/625	435/543		1800	EPA-certified
750REZK	750/937	630/787		1800	EPA-certified
1000REZK	1000/1250	880/1100		1800	EPA-certified
400REZCK - Coming Soon			415/518	1800	EPA-certified
600REZCK - Coming Soon			620/775	1800	EPA-certified
800REZCK - Coming Soon			830/1037	1800	EPA-certified
1000REZCK - Coming Soon			1000/1250	1800	EPA-certified
1300REZCK - Coming Soon			1300/1625	1800	EPA-compliant

Ratings based on 3-phase, 480 V  
For additional technical specifications, visit [KohlerPower.com](http://KohlerPower.com)

### CONTINUOUS-POWER MODELS: BUILT FOR EFFICIENCY

- Available EPA-certified (model 1300REZCK is EPA-compliant-capable) and ECM-controlled and meet the latest spark-ignited emission requirements for emergency operation.
- Offer high electrical efficiencies.
- Built to run at up to a 100% load factor over the life of the generator.
- Factory cooling options allow for up to 40°C ambient operation.

### PRIME-POWER MODELS: BUILT FOR LOAD ACCEPTANCE

- Available EPA-certified and ECM-controlled and meet the latest spark-ignited emission requirements for non-emergency operation.

- Built to run at up to a 90% load factor over the life of the generator; meet ISO-8528 G1 power quality standards even through a 53% load step.
- Factory cooling options allow for up to 50°C ambient operation.

### EMERGENCY STANDBY MODELS: BUILT TO LAST

- Available EPA-certified and ECM-controlled and meet the latest spark-ignited emission requirements for emergency operation.
- Built to run at up to an 85% load factor over the life of the generator; meet ISO-8528 G1 power quality standards even through a 53% load step.
- Factory cooling options allow for up to 50°C ambient operation.

# KOHLER® DECISION-MAKER® CONTROLS

TECHNOLOGY SO ADVANCED, IT'S EASY.

At Kohler, we don't do one size fits all. With our Decision-Maker controls, we design custom packages, tailored to your needs – from basic controls to multiple generator paralleling.

Plus, Kohler makes each controller easy to operate with user-friendly displays and keypad functions. And if that weren't enough, our complete line of Decision-Maker controllers features advanced network communications for remote monitoring as well as adjustable parameters to accommodate your specific application.

## STANDARD FEATURES

### TESTED AND APPROVED

Our controls meet NFPA, UL and CE standards.

### INTEGRAL VOLTAGE REGULATOR

KOHLER controls deliver precise voltage regulation (.05%–0.25%) to protect your sensitive equipment from poor power quality.

### SEAMLESS SYSTEM INTEGRATION

Every controller works with our automatic transfer switches and switchgear for complete system integration.

### ALTERNATOR PROTECTION

This must-have technology protects the alternator from thermal overload.

## REMOTE COMMUNICATIONS

### MONITOR SOFTWARE

Monitors and controls generator sets and transfer switches from your personal computer.

### POWERSCAN™

Provides system monitoring around the clock using wireless technology to send messages to your phone, fax and email.

### REMOTE ANNUNCIATOR

Offers an economical solution for remote annunciation of faults and status conditions for NFPA-110 compliance.

### 1 EMERGENCY STOP BUTTON

Turns off generator immediately

### 2 CONTROL BUTTONS

Control synchronizing breakers and generator operation (Off/Auto/Run)

### 3 STATUS INDICATORS

Display generator mode, breaker and synchronization status

### 4 DIGITAL ALPHA/NUMERIC DISPLAY

Displays faults, warnings, codes and metering

### 5 KEY SWITCH

Secures your program settings

### 6 PUSH-BUTTON KEYPAD

Sets custom parameters, displays menus, resets faults and more



REMOTE ANNUNCIATOR



DECISION-MAKER 6000





3000



550



6000



8000

Decision-Maker Model	3000	550	6000	8000
Integral voltage regulator	x	x	x	
Engine diagnostics	x	x	x	x
Engine starting aid	x	x	x	
Event and data logging	x	x	x	x
Programming access via laptop	x	x	x	x
Key switch		x	x	
<b>USER INTERFACE</b>				
Alphanumeric digital display	x	x	x	
Color graphical display				x
Emergency stop (local)				x
Emergency stop (remote)	x	x	x	x
Exercise function		x	x	
<b>COMMUNICATIONS</b>				
Local and remote area network capability	x	x	x	x
Monitoring software	o	o	o	x

Decision-Maker Model	3000	550	6000	8000
<b>PARALLELING</b>				
Remote input for external paralleling controller		x		x
Dead bus paralleling			x	x
Dead field paralleling				x
Synchronizer			x	
Real and reactive load sharing			x	x
First on logic			x	x
Circuit breaker control			x	x
Base load control			x	x
Var/power factor control			x	x
Load management			o	x
Generator management				x

KEY: STANDARD = x / OPTION = o

## COMMON FEATURES

### INPUTS AND OUTPUTS

All models include digital and analog input and output with option for additional inputs/outputs

### ENGINE STATUS AND CONDITION INDICATORS

Oil pressure/temperature  
Coolant temperature  
Engine speed  
Number of starts  
Battery voltage

### ALTERNATOR STATUS AND CONDITION

Voltage, L-L and L-N for all phases  
Current/frequency for all phases  
Total kW/kVA and KVAR  
kWh  
Power factor\*  
Per phase kW/kVA and KVAR\*

### ENGINE PROTECTION – SHUTDOWN/INDICATION

High engine coolant temperature  
Low coolant level  
Low oil pressure  
Overcrank  
High/low fuel level  
Overspeed  
Load shed output\*

### ALTERNATOR PROTECTION – SHUTDOWN/INDICATION

Over- and under-voltage/frequency  
Overcurrent  
Overpower  
Locked rotor\*\*  
Reverse power/var\*

\*Except Decision-Maker 3000. \*\*Except Decision-Maker 8000



#### KOHLER POWER SYSTEMS

- ① Headquarters and Manufacturing – Kohler, Wisconsin
- ② Headquarters EMEA
- ③ Headquarters Asia-Pacific and Manufacturing – Singapore
- ④ Manufacturing Facility – India
- ⑤ Manufacturing Facility – China
- Sales Offices, Dealers and Distributors

#### SDMO (Kohler-Owned)

- ⑥ Headquarters and Three Manufacturing Facilities – France
- ⑦ Manufacturing Facility – Brazil
- Sales Offices, Dealers and Distributors

## DEPENDABLE POWER AND PERFORMANCE TESTED, TRIED AND PROVEN TO WORK. PERIOD.

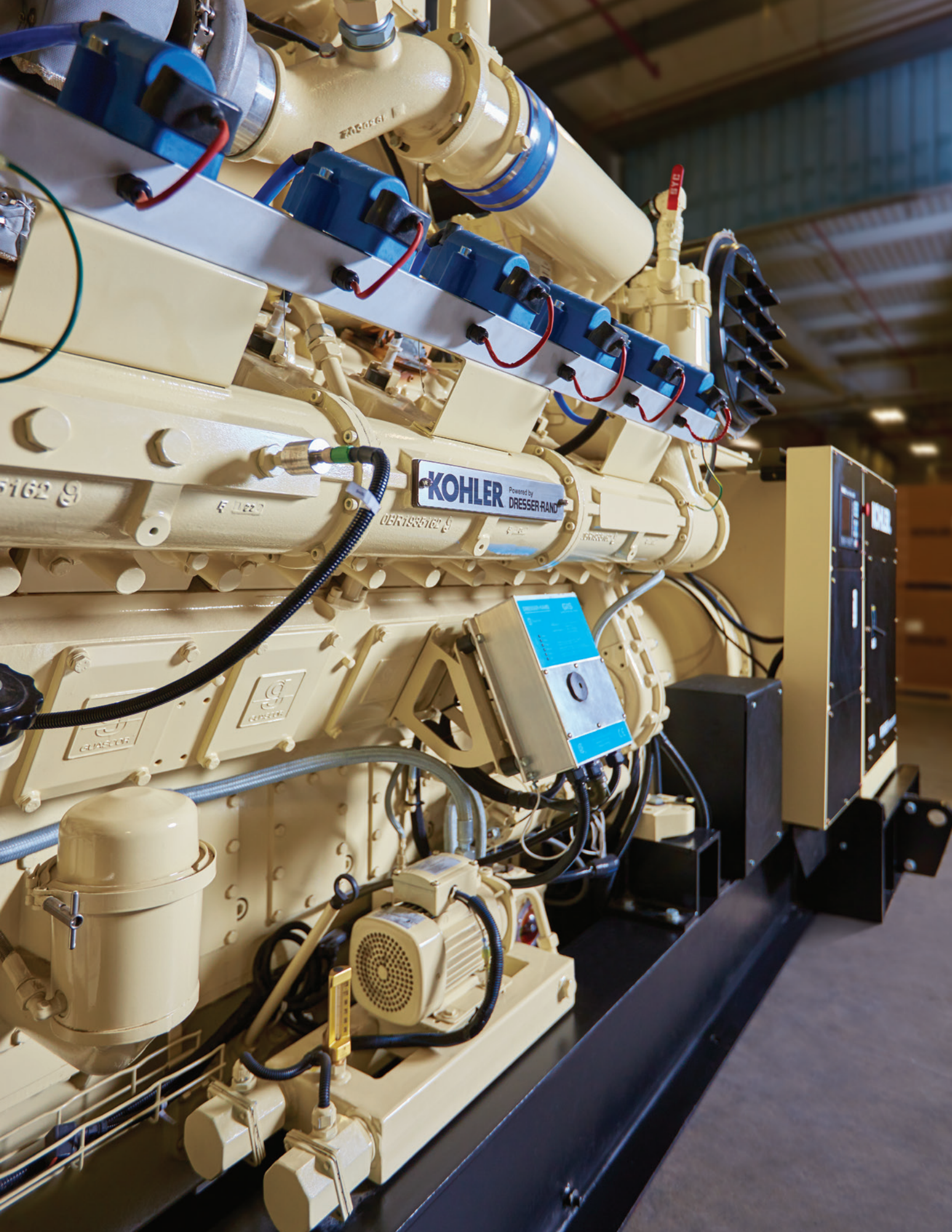
Our reputation was born 90 years ago at the South Pole. There in the world's most brutal climate, Admiral Richard Byrd and his band of explorers plunged headlong into arctic temperatures with nothing but KOHLER® generators to power their conquest. Since then, our generators have made their presence known worldwide, powering every application including education and healthcare to data centers and waste water treatment.

Bottom line, KOHLER industrial power systems are built to work. Before they see the light of day, our generators endure tough testing standards, including power, transient, sound, cooling and complete system performance.

No matter how large or complex your system, everything – including generators, transfer switches, paralleling switchgear and controllers – works together seamlessly.

**That's the Kohler difference.**





**KOHLER** Powered by DRESSER-RAID

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**KOHLER** Power Systems

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