

**TRK** Tharikan

**KOHLER**  
POWER SYSTEMS



## COMPLETE POWER SOLUTIONS

STANDBY POWER

CRITICAL POWER

DISTRIBUTED GENERATION

LOAD MANAGEMENT

ENERGY MANAGEMENT

POWER QUALITY

SYSTEM INTEGRATION



*Quality products. Exceptional service.  
One call. Now that's what I call power.*



# WHEN KOHLER TALKS POWER, IT'S ABOUT MORE THAN KW.

**Precision-engineered power systems.**

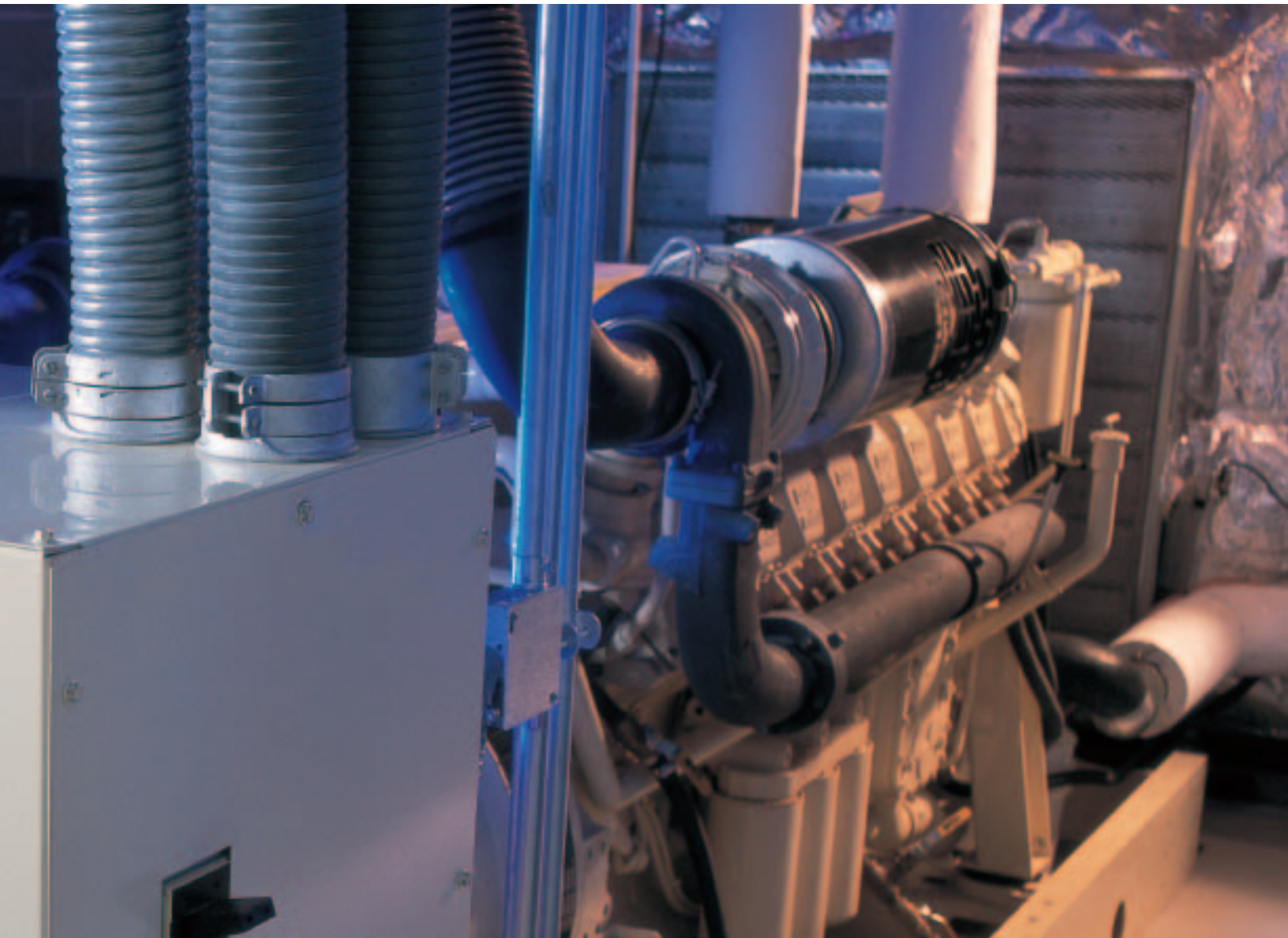
**Factory-trained professionals.**

**Complete system solutions.**

- A global leader in power generation for more than 80 years, Kohler knows that a true system solution requires more than just product. It takes a team of dedicated power professionals who can help configure the ideal system for your application. This all-encompassing approach helps ensure continuous, peak operation. From distributed generation and load management to power quality for mission-critical applications, you need a partner with the knowledge and resources to offer complete system solutions.

**KOHLER**  
POWER SYSTEMS

POWER  
ON DEMAND



➤ **You're never alone.**

A worldwide network of KOHLER® Power Pros is available 24 hours a day, seven days a week to assist with troubleshooting and after-sale support.

Talk with someone who understands what it takes to deliver complete peace of mind. For the name of a KOHLER Power Professional near you, go online at **[KohlerPowerSystems.com](http://KohlerPowerSystems.com)** or call **1-800-544-2444**.



KOHLER factory-trained professionals work closely with you at every stage – from planning and design to installation and startup.



# TOTAL SYSTEM INTEGRATION.

- Reliable power starts with reliable generators. But it doesn't end there. Kohler offers a complete line of high-performance components – all prototype-tested and backed by the KOHLER® name. So you get a fully integrated system from a single source.



*We engineer KOHLER power systems to constantly monitor and communicate complete system status.*

# KOHLER POWER SYSTEM COMMUNICATION

Integrated communication throughout your system can translate into big savings on maintenance, troubleshooting and repair.



## WEB-ENABLED REMOTE PC

Online system management streamlines operation, troubleshooting and repair.



## PD-SERIES SWITCHGEAR

Turns your system into a cost-effective energy management tool.



## MPAC 1000™ TRANSFER SWITCH

Innovative logic provides flexible power control for mission-critical facilities.



## POWERSCAN™ WIRELESS MONITOR

Wireless technology keeps you in constant contact with your equipment.



## DECISION-MAKER™ 550 CONTROLLER

Unprecedented control and diagnostics ensure reliable on-site power.



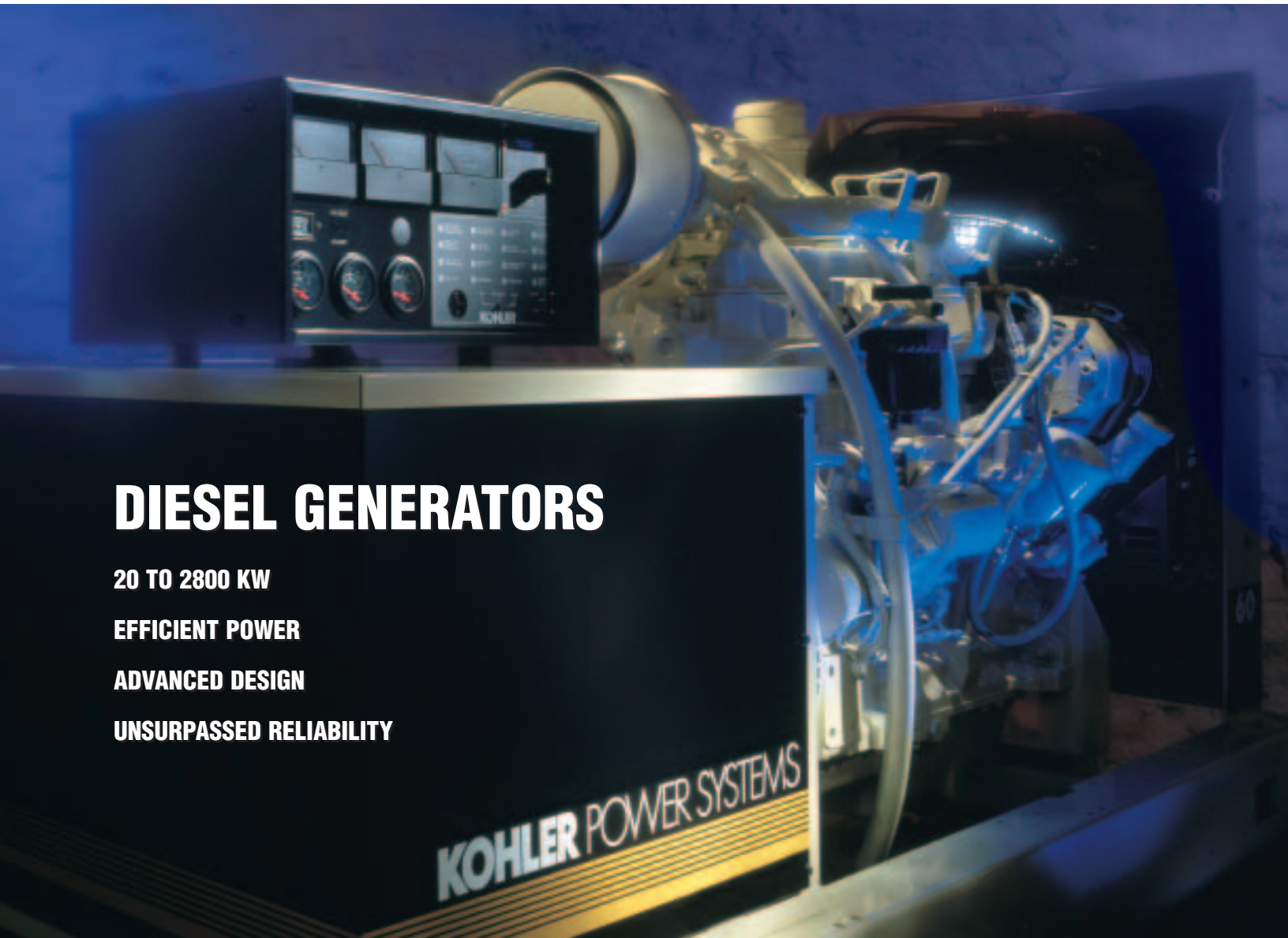
## KOHLER GENERATOR

Heavy-duty construction stands up to your most demanding requirements.

➤ KOHLER® power systems range from 4-kW marine generators to 2800 kW industrial generators and beyond. Controls, switchgear, transfer switches, and every component in between are engineered with a single purpose – your absolute satisfaction.



KOHLER power systems meet or exceed the highest applicable NEMA, IEEE, ANSI and CSA performance standards.



# DIESEL GENERATORS

**20 TO 2800 KW**

**EFFICIENT POWER**

**ADVANCED DESIGN**

**UNSURPASSED RELIABILITY**



KOHLER generators deliver dependable power for critical power applications.

**> KOHLER® diesel generators are packed with power to take on the most demanding applications.**

- Versatile enough to meet almost any output requirements
- Eight new models for even greater application flexibility
- Configurable for a variety of installations
- Exceptional motor starting and voltage recovery
- Built to withstand harsh environmental conditions
- EPA certified on most models
- UL-2200 listing on most diesel models

Model	STANDBY RATINGS		PRIME RATINGS	
	60 Hz kW/kVA	50 Hz kW/kVA	60 Hz kW/kVA	50 Hz kW/kVA
20ROZJB	25/31	21/26	22/28	19/24
20REOZJB*	25/31	21/26	22/28	19/24
30REOZJB*	34/43	27/34	31/39	26/33
40REOZJB*	40/50	35/44	36/45	32/40
50REOZJB*	55/69	45/56	50/63	42/53
60REOZJB*	62/78	58/73	56/70	53/66
80REOZJB	85/106	70/88	77/96	64/80
▶ 80REOZJC*	90/113	N/A	82/103	N/A
100REOZJB	110/138	88/110	100/125	80/100
▶ 100REOZJC*	100/125	N/A	90/113	N/A
125REOZJB	130/163	108/135	115/144	100/125
▶ 135REOZJC*	140/175	N/A	125/156	N/A
150REOZJB	160/200	132/165	145/181	120/150
▶ 150REOZJC*	160/200	N/A	145/181	N/A
180REOZJB	180/225	148/185	165/206	136/170
▶ 180REOZJC*	180/225	N/A	165/206	N/A
200REOZJB	200/250	176/220	180/225	160/200
230REOZJB	230/288	200/250	190/238	168/210
200REOZP*	205/256	192/240	185/231	172/215
200REOZV*	210/263	220/275	190/238	200/250
230REOZV*	240/300	196/245	220/275	180/225
230REOZD*	240/300	196/245	215/269	176/220
250REOZV*	265/331	252/315	240/300	228/285
250REOZD*	265/331	236/295	240/300	212/265
275REOZV*	275/344	224/280	250/313	204/255
275REOZD*	275/344	224/280	250/313	204/255
300REOZV*	300/375	252/315	270/338	228/285
300REOZD*	300/375	252/315	270/338	228/285
350REOZV*	355/444	328/410	320/400	296/370
350REOZD*	360/450	324/405	325/406	296/370
400REOZV*	400/500	352/440	360/450	328/410
400REOZD*	420/525	360/450	380/475	328/410
450REOZD-4*	455/569	408/510	415/519	368/460
500REOZV*	515/644	440/550	460/575	400/500
500ROZD-4*	510/638	N/A	N/A	N/A
600REOZM*	610/763	N/A	555/694	N/A
▶ 650REOZDB*	660/825	560/700	600/750	504/630
▶ 750REOZM*	760/950	664/830	690/863	600/750
750REOZDB*	750/938	608/760	680/850	552/690
▶ 800REOZM*	810/1013	720/900	730/913	656/820
▶ 900REOZM*	970/1213	764/955	915/1144	N/A
900REOZDB*	910/1138	712/890	830/1038	648/810
▶ 1000REOZM*	1020/1275	912/1140	925/1156	832/1040
1000REOZDB*	1000/1250	910/1138	800/1000	728/910
▶ 1250REOZM*	1280/1600	1120/1400	1160/1450	1016/1270
▶ 1350REOZDB*	1370/1713	1224/1530	1250/1563	1120/1400
▶ 1500REOZDB*	1500/1875	1320/1650	1360/1700	1200/1500
▶ 1600REOZM*	1600/2000	1560/1950	1450/1813	1416/1770
▶ 1820REOZM*	1830/2288	1624/2030	1660/2075	1480/1850
▶ 1820REOZDB*	1830/2288	1624/2030	1600/2075	1480/1850
▶ 2000REOZM*	2000/2500	1760/2200	1820/2275	1600/2000
▶ 2000REOZDB*	2000/2500	1760/2200	1820/2275	1600/2000
▶ 2500REOZD*	2500/3125	2240/2800	2270/2838	2000/2500
▶ 2800REOZD*	2800/3500	2480/3100	2500/3125	2240/2800

All ratings are 3-phase and based on an oversized alternator when available

Rated voltages, 60 Hz: 277/480 volt

Rated voltages, 50 Hz: 240/416 volt

\*EPA-certified engine

New models shown in RED

## POWERFUL ENGINES

Four-cycle industrial engines are built for reliability, with self-diagnostic features to prevent shutdowns. Most models meet EPA standards.

## RELIABLE ALTERNATORS

The brushless permanent magnet generator (PMG) design ensures short circuit current capability, allowing coordination and tripping of downstream breakers.

## OPTIONAL EQUIPMENT

Kohler offers a wide range of optional weather- and sound-attenuated enclosures, exhaust systems and fuel tanks to tailor gensets to your application.

## PERFORMANCE RATINGS

With nearly 60 different diesel generator models, Kohler can specify the perfect match for your power requirements.



KOHLER® generators are designed for high fuel efficiency and low noise levels.



# GAS GENERATORS

**20 TO 800 KW**

**LOW OPERATING COSTS**

**CLEAN EXHAUST**

**NO FUEL STORAGE ISSUES**



The Federal Aviation Administration depends exclusively on KOHLER generators at its sites throughout the U.S.

➤ **KOHLER® gas generators are engineered with the latest technology to deliver peak operating performance.**

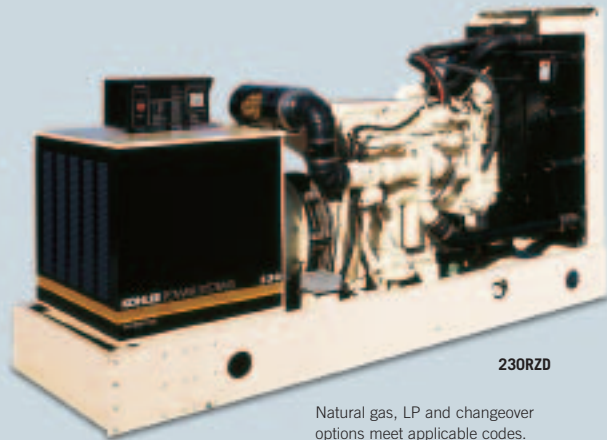
- Operate on a constant, low-cost fuel source
- Ideal for extended run and prime power applications
- No requirement for on-site liquid fuel storage
- Low-pressure systems eliminate expensive compressors
- Perform at pressures as low as 5" of water column
- UL-2200 listing on most gas models



The unparalleled quality of every KOHLER® power system is a reflection of the dedicated, world-class professionals who manufacture them.



100RZG



230RZD

Natural gas, LP and changeover options meet applicable codes.

### EFFICIENT ENGINES

KOHLER gas generators incorporate the latest fuel management technology for precise frequency control and transient performance.

### ADVANCED ALTERNATORS

Permanent magnet excitation delivers the industry's fastest response times, not to mention superior starting.

### OPTIONAL EQUIPMENT

Kohler offers LP or natural gas fuel systems and multiple control options to tailor gensets to your application.

Model	NATURAL GAS			
	Standby Rating		Prime Rating	
	60 Hz kW/kVA	50 Hz kW/kVA	60 Hz kW/kVA	50 Hz kW/kVA
20RZ	19/24	15/19	17/21	14/18
30RZG	34/43	26/33	31/39	23/29
▶ 30RZGB	30/38	N/A	27/34	N/A
35RZG	39/49	31/39	36/45	29/36
45RZG	42/53	33/41	38/48	30/37
50RZGB	50/63	40/50	46/58	35/44
60RZG	60/75	49/61	55/69	45/56
80RZG	81/101	66/83	75/94	61/76
100RZG	100/125	80/100	91/114	73/91
125RZG	130/163	104/130	115/144	96/120
135RZD	145/181	128/160	130/163	116/145
▶ 150RZG	150/188	N/A	139/169	N/A
150RZD	150/188	132/165	135/169	120/150
180RZD	180/225	160/200	160/200	144/180
200RZD	205/256	180/225	185/231	164/205
2230RZD	240/300	204/255	215/269	184/230
250RZD	255/319	224/280	230/288	204/255
275RZD	275/344	244/305	250/313	220/275
400RZW +	410/513	340/425	390/488	320/400
400RZW *	440/500	332/415	350/438	292/365
600RZW +	625/781	528/660	595/744	504/630
600RZW *	600/750	504/630	340/675	456/570
800RZW +	840/1050	700/875	800/1000	668/835
800RZW *	800/1000	664/830	725/906	600/750

+ Rich Burn Engine  
\* Lean Burn Engine

New models shown in RED – available May 2004

Model	LP GAS			
	Standby Rating		Prime Rating	
	60 Hz kW/kVA	50 Hz kW/kVA	60 Hz kW/kVA	50 Hz kW/kVA
20RZ	20/25	16/20	18/23	15/19
30RZG	34/43	26/33	31/39	23/29
30RZGB	32/40	N/A	29/36	N/A
35RZG	42/53	34/42	39/49	30/37
45RZG	46/58	37/46	42/53	34/42
50RZGB	55/69	40/50	50/63	35/44
60RZG	64/80	53/66	59/74	50/62
80RZG	81/101	70/87	75/94	64/80
100RZG	100/125	88/110	91/114	80/100
125RZG	110/138	96/120	100/125	88/110

All ratings are 3-phase and based on an oversized alternator when available  
Rated voltages, 60 Hz: 277/480 volt  
Rated voltages, 50 Hz: 240/416 volt

### PERFORMANCE RATINGS

With more than 20 different models, Kohler can specify gas generators that match your power requirements.



# RESIDENTIAL / SMALL BUSINESS GENERATORS

8.5 TO 100 KW

IDEAL FOR SMALL-LOAD APPLICATIONS

UNSURPASSED PERFORMANCE

RELIABLE EMERGENCY POWER



KOHLER® generators offer peace of mind for your home or business when utility power isn't available.

➤ **Kohler engineers generators for small business and residential applications that meet the same high standards as our larger systems.**

- Low-emission gas generators from 8.5 to 100 kW
- Ideal for offices, stores, farms, schools and homes
- Prototype-engineered and factory-tested for round-the-clock operation
- 8.5- and 12-kW units are the quietest residential package in the industry
- UL-2200 listing



12RES



35RZG

Kohler offers a full range of options, including sound-attenuated enclosures.

### AUTOMATIC BACKUP POWER

The KOHLER® backup power system includes the generator, transfer switch, battery charger and distribution panel.

### INNOVATIVE

The KOHLER Advanced Digital Control is the industry's only true digital power to supply worry-free protection for the most sophisticated home electronics.

### QUIET

New, sleek, weather-resistant sound enclosure provides a compact unit and protects the unit from the elements year-round, at quiet, neighborly sound levels.

### EASY INSTALLATION

The 8.5-kW and 12-kW units are equipped with a built-in mounting pad for reduced installation time and cost.

Model	NATURAL GAS		LP GAS	
	Standby Rating		Standby Rating	
	kW@60Hz	Amps	kW@60Hz	Amps
▶ 8.5RES	7	29	8.4	35
▶ 12RES	10.4	43	12	50
▶ 15RYG*	14	58	15	63
18RY	16	67	18	75
18RZ	16	67	18	75
20RZ	18	75	19	79
▶ 25RYG*	25	104	25	104
35RZG-RES	38	158	38	158
45RZG-RES	41	171	45	188
50RZGB-RES	50	208	54	225
60RZG-RES	57	238	61	254
80RZG-RES	80	333	80	333
100RZG-RES	86	358	95	396

All ratings are single-phase, 120/240 volt, 60 Hz  
\*Available June 2004

New models shown in RED

### PERFORMANCE RATINGS

A full range of generators means Kohler can specify the ideal match for your needs.



# TRANSFER SWITCHES

**30 TO 4000 AMPS**

**FLEXIBLE POWER CONTROL**

**INNOVATIVE LOGIC**

**FULLY PROGRAMMABLE**

**➤ Kohler® offers a comprehensive line of automatic transfer switches to complement the full line of KOHLER power systems.**

- Safe, dependable protection for critical facilities
- Ideal for communications systems, data centers, airports and hospitals
- Provides source monitoring, control and diagnostics
- Available in standard, programmed and closed-transition configurations
- Remote communications capability
- UL-1008 listed and CUL listed



The latest enhancements and transfer-switch products from Kohler provide more sophisticated technology and convenience.

*By engineering every component to perform with new or existing systems, we've simplified the specifying process dramatically.*



Innovative logic and exclusive features make the KOHLER MPAC 1000™ line of transfer switches among the most advanced in the industry.

### **EXPANDED PRODUCT OFFERING**

KOHLER® transfer switches offer a complete solution as the critical link between utility and standby power for all applications.

### **ONE-SOURCE SUPPLIER**

Kohler – one source supplier and one-source responsibility – means peace of mind for those dealing with critical-load requirements.

### **SEAMLESS POWER**

KOHLER transfer switches provide the necessary integration of network communications that ensure top performance through monitoring and control of the standby system.

- Facilities relying on complete power operation can be confident in the dependable protection from KOHLER transfer switches. Kohler offers a suite of standard features to meet the demands of critical-load applications. This includes load sequencing to “right size” the generator for motor loads and anti-single phasing for protection of three-phase motors.



The new KOHLER Windows®-based software program monitors the status and makes it possible to control KOHLER MPAC 1000 transfer switches.



# SWITCHGEAR

**COST-EFFECTIVE MANAGEMENT**

**CUSTOMIZABLE, MODULAR DESIGN**

**COMPACT, SPACE-SAVING FOOTPRINT**

**INSTALLATION FLEXIBILITY**



New modular paralleling switchgear provides a reliable, compact and cost-effective way to parallel a genset to the utility.

**➤ Kohler offers a full line of automatic paralleling switchgear to help you cut costs and gain more control over your power demands.**

- Monitoring and switching station for virtually any application
- Synchronizes power from multiple generators or the utility
- Ideal for emergency standby, prime power or energy management
- Compatible with any new or existing gas or diesel gensets
- Proven components ensure reliable performance



KOHLER PD-300 two-generator, two-feeder breaker, emergency standby system switchgear.

### **EMERGENCY STANDBY**

When utility power fluctuates outside acceptable levels, KOHLER® switchgear starts the standby system and connects it to the load.

### **PRIME POWER**

KOHLER switchgear synchronizes, parallels and automatically matches power to the size of the load.

### **ENERGY MANAGEMENT**

Kohler lets you respond to volatile electric rates via peak shaving and interruptible rate programs.

- In this era of utility deregulation and distributed generation, KOHLER PD-Series switchgear converts a liability into an asset. Transforming an oftentimes idle standby generator set into a cost-effective energy management tool, KOHLER switchgear delivers a definable return on your investment.



The latest Kohler PD-Series switchgear models replace switches and meters with an easy-to-use touch screen interface.



# CONTROLS

**DIRECT DIGITAL CONTROL**

**PERFORMANCE MONITORING**

**BUILT-IN PROTECTION**

**STATUS DISPLAYS**

➤ **Kohler offers controls to handle any power system application, from basic to sophisticated control functionality.**

- Several models are available to match your specifications
- Designed for generators from 20 kW to 2800 kW
- Network communications for remote monitoring
- Programmable software when new features become available
- Remote Serial Annunciator accessory (available June 2004)
- UL-508 listed



The new KOHLER® Advanced Digital Controller (ADC) gives you the assurance of reliable generator operation and provides real-time system data in both text and alphanumeric format on the LED display.





**KOHLER**  
POWERSCAN

# WIRELESS MONITORING

**24-HOUR INTERNET ACCESS**

**CUSTOMIZE TO YOUR SYSTEM NEEDS**

**SEND SYSTEM STATUS ALERTS**

**COMMAND REMOTE OPERATION**



Using wireless technology, PowerScan routes generator-set performance data to specified recipients.

➤ **The PowerScan™ wireless monitor delivers complete standby system monitoring and alert information to minimize downtime and maximize performance of your power system.**

- Puts users in direct contact with the generator from anywhere
- Easy to install and activate
- Custom-programmable alarm conditions
- Uses cost-effective radio frequency wireless technology and the power of the Internet
- Sends messages instantly to notify designated recipients of equipment problems via phone, pager, cell phone, fax, XML, voice mail or e-mail



# MOBILE AND STATIONARY GENSETS

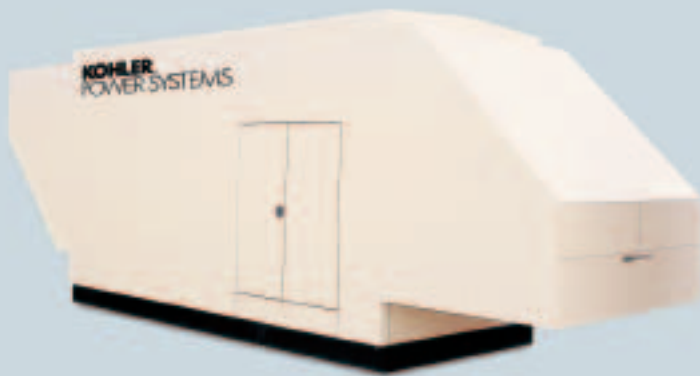
- DIESEL, GAS AND LP**
- EXCEPTIONAL MOTOR STARTING**
- DEPENDABLE PERFORMANCE**
- HEAT RECOVERY CAPABILITIES**



KOHLER® fleet-mounted power systems offer durable, cost-effective power for telecom, broadcast and emergency service applications.

➤ **The new trailerized generators are designed, engineered and packaged by Kohler Power Systems, and are best suited for those remote, unmanned locations.**

- Polymer tank makes the unit lighter to transport and move from location to location
- Low sound levels achieved with redesigned sound enclosures
- Extended run times
- Monitor and receive instant fault-code information via remote monitoring and remote dial-out options
- Voltage reconnect switches



Choose from a variety of enclosures to reduce noise levels and offer added protection from the elements.

➤ **Kohler provides a complete line of accessories and components designed to customize a power system to your application.**

- Wireless monitoring
- Sound enclosures
- Weather housings
- Sub-base diesel fuel tanks
- Day tank systems
- Generator-set control options
- System monitoring and controls
- Float/equalize battery chargers
- Remote annunciators
- Silencers
- Circuit breakers
- In-skid fuel tanks
- 10-year extended warranties available

➤ From the engineers who design them to the men and women who build them and from the sales rep who sells them to the dealer or distributor who services them, the power behind KOHLER® power systems is what makes the difference.

Call **1-800-544-2444** or visit **KohlerPowerSystems.com** and discover the power that can make your life a little easier.

*From bid to startup and beyond, we're there to make sure your system performs to your specifications.*



### Marine

Feel at home on the water. Compact KOHLER® marine power systems provide clean, reliable power with low noise and minimal vibration.

### Mobile

KOHLER fleet-mounted power systems offer durable, cost-effective power for telecom, broadcast and emergency service applications.

### Rental Power

KOHLER rental gensets are engineered to ensure maximum output under difficult and varied conditions – wherever and whenever power is needed.



## KOHLER POWER SYSTEMS

Find out how you can put KOHLER complete power solutions to work for you – from the full line of reliable KOHLER generators to our global network of dedicated power professionals.

Call toll-free in the U.S. and Canada **1-800-544-2444** or check out Kohler online at **KohlerPowerSystems.com**.

KOHLER POWER SYSTEMS  
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2003 Energy Industry Company of the Year



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