

RENTAL POWER

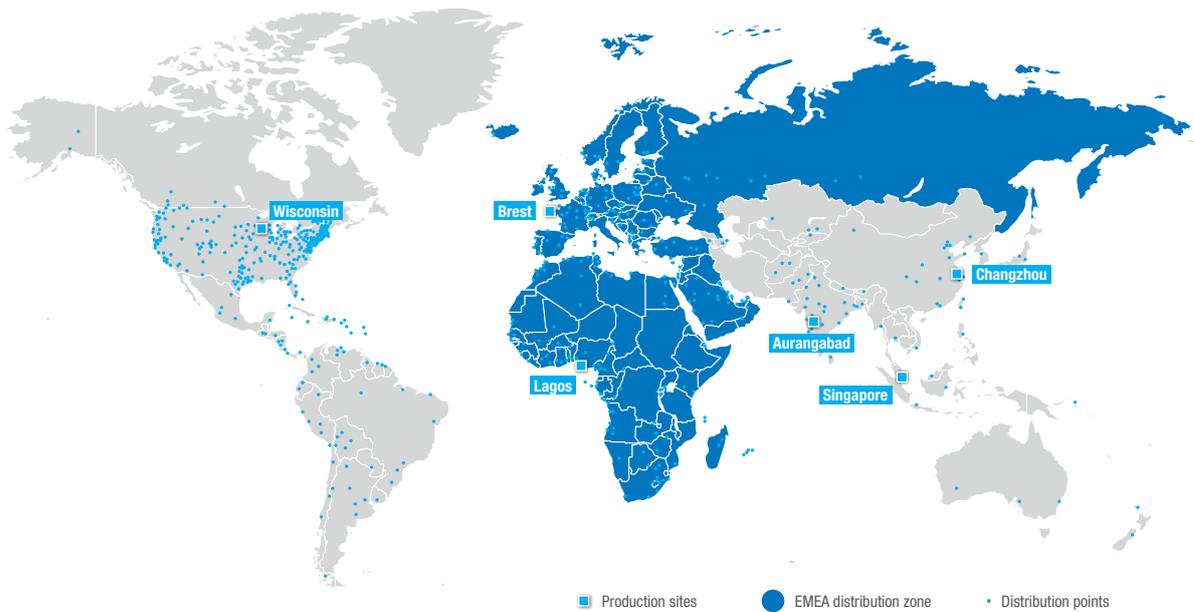
AN EXTENSIVE RANGE
FOR A SUSTAINABLE INVESTMENT

3 kVA - 550 kVA

MK-RP-50-DO-EN-221



KOHLER®



SOLUTIONS FOR ALL SECTORS

With our generator set ranges, stretching from 2 to 4,500 kVA, we provide energy solutions for different applications (continuous and backup production) and for all sectors: data centers, health, water treatment, telecommunications, construction, energy producers, industry, transport, retail trade and distribution, etc.

OUR TRIED-AND-TESTED PROCESS: TOTAL INTEGRITY AT EVERY STEP

From the initial contact to project planning, execution and maintenance, Kohler offers you complete end-to-end assistance.

Our dedicated project team evaluates the scope, demands and challenges of your project and provides you with full support and transparency at each stage of the project. By working in close collaboration with you, we ensure that your project is equipped with reliable power supply systems tailored to your specifications and your budget.

SERVICE AND SUPPORT: THE ASSISTANCE YOU NEED. ANYTIME, ANYWHERE

With numerous direct service centers and more than 800 distributors worldwide, Kohler's customers are guaranteed an emergency service 24/7 and reactive after sales support. Certified and enjoying regular training, our factory-based technicians are always ready to provide a troubleshooting service, advice and post-installation service and support.

THE 10 FUNDAMENTALS

KOHLER®



1 SOUND LEVELS OPTIMISED AND CERTIFIED

Optimised and certified sound levels.
Measurements:

- conducted using acoustic intensimetry (the most accurate method on the market)
- certified by CETIM (Technical Center for Mechanical Industry)
- conducted in a laboratory accredited by COFRAC (the French official accreditation body)

2 POWER MAINTAINED EVEN IN EXTREME CONDITIONS

KOHLER's engineering department ensures the coolant systems are adapted perfectly so that maximum power can be provided, even at high temperatures.

3 QUALITY TESTING

Each KOHLER generating set is prototyped in the laboratory and tested in production to ensure it operates exactly as it should.

4 HOMOLOGATION IN ACCORDANCE WITH THE HIGHEST STANDARDS

KOHLER does not compromise when it comes to the quality of its products and their compliance with standards. They are designed to meet even more demanding criteria than those set by the directives.

5 LOW FUEL CONSUMPTION

Our engineers and technicians develop tailored solutions to further improve consumption of fuel and the components chosen for the high performance they offer.

6 ROBUST BASE FRAMES AND HIGH-QUALITY ENCLOSURES

A high-quality enclosure protects the generating set's components whilst enabling it to run under the most extreme conditions (high temperatures, dusty, humid or sandy environments, etc.). KOHLER base frames and enclosures are produced in France, and their suppliers selected according to very strict criteria.

7 QUALITY OF THE ELECTRICITY PRODUCED

A high quality current, in voltage and frequency in compliance with the ISO 8528-5 standard, provides a high starting and loading capacity for critical applications.

8 PROTECTING INSTALLATIONS AND INDIVIDUALS

KOHLER is developing solutions on a daily basis to further enhance the safety of the generator and its users (modular management of neutral connections, precision circuit breakers, engine preheating, etc.).

9 SMALL FOOTPRINT HIGH PERFORMANCE

The footprint of a generator, in both surface area and volume, is key to ensuring its integration, regardless of space constraints. Thanks to their innovative engineering, KOHLER generating sets pack big performance into a compact frame.

10 REFERENCES IN STOCK ALL OVER THE WORLD

X-PRESS is a range of standard generators stocked across the world, which can be delivered to you within a very short lead time.

MADE IN FRANCE

RENTAL POWER AN EXTENSIVE RANGE FOR A SUSTAINABLE INVESTMENT

A specialist in made-to-measure energy solutions for over 100 years, KOHLER has used its skills and expertise to help its rental customers meet very specific requirements through the definition of a Rental Power range from 3 kVA to 550 kVA:



PORTABLE POWER
from 3 kW single-phase to 15 kVA
three-phase

Light, compact and extra strong.

RENTAL COMPACT
from 20 kVA to 550 kVA
(CE-compliant)

An innovative concept for specific mobile energy requirements within the European Union and the UK: ease of use, safety and performance.

RENTAL COMPACT
from 66 kVA to 550 kVA
(CE-compliant)

An innovative concept for specific mobile energy requirements outside the European Union and the UK: ease of use, safety and performance.



REDUCING POLLUTANT EMISSIONS WITHOUT COMPROMISING ON POWER

— All engines with no output limit designed for use in the UK and the EU must conform to the STAGE V standard.

These regulations cover all mobile motorised off-road equipment and more specifically mobile generating sets.

AFTER-TREATMENT EQUIPMENT ON THE RENTAL COMPACT STAGE V RANGE

1 COMMON RAIL with optimised computer calibration to minimise pollutants.

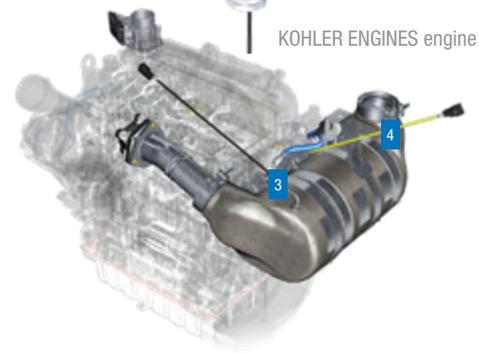
2 EGR (EXHAUST GAS RECIRCULATION) VALVE: a proportion of the exhaust gases is reinjected into the engine intake to be burnt more efficiently, thereby reducing the amount of NOx.

3 DOC (DIESEL OXIDATION CATALYST): its honeycomb structure covered with metal catalysts enables a proportion of the CO, HC and NOx to be converted to water, carbon dioxide and nitrogen dioxide.

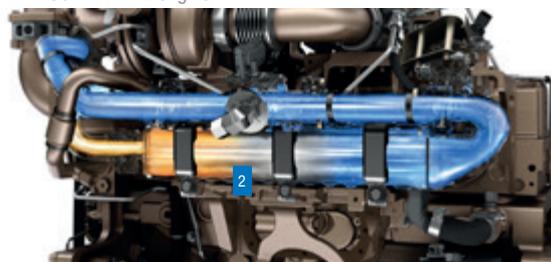
4 DPF (DIESEL PARTICULATE FILTER): the remaining particles pass through the DPF, which collects them and burns them using the heat from the engine and the DOC.



KOHLER ENGINES engine



JOHN DEERE engine



5 DEF (DIESEL EXHAUST FLUID) INJECTOR: a mixture of urea and water stored in a special tank is injected into the exhaust circuit to be mixed with the gases

6 SCR (SELECTIVE CATALYTIC REDUCTION): the ammonia contained in the urea is mixed with the engine's exhaust gases in the SCR catalytic converter to reduce the NOx, converting it to nitrogen and carbon dioxide

7 AOC (AMMONIA OXIDATION CATALYST): used to eliminate residual ammonia downstream of the SCR.



Energy at your fingertips

PORTABLE RANGE

GENERATING SETS

These generating sets have standard equipment which focuses on guaranteeing the safety of the user and the machine.

They have been designed to meet the specific requirements of the rental market in terms of maneuverability, safety and stability.

ALL GENERATING SETS IN THIS RANGE CAN BE EQUIPPED WITH THE "RENTAL PACK"

- Differential protection
- Trolley kit
- Lifting eye
- Retention container

WELDING SETS

Welding sets offer a 2-in-1 solution (generating set + welding set) for high-performance regular use.



Single-phase welding set
WELDARC 200 C5

PORTABLE RANGE

Generating
SETS



3 KVA
▽ single phase
15 KVA
three phase

**RENTAL
POWER**



Three phase generating set
Diesel 15 LC TA silence C5



Single-phase generating set
Perform 4500C5

Description	kW (max)	kVA (max)	ENGINE					Autonomy (h)	Guaranteed level of sound power Lwa dB(A)	Acoustic pressure at 7 m in dB(A)	Dimensions (lxwxh) cm	Weight (kg)	OPTIONS				
			Brand	Type	Oil cut-out	Fuel tank (L)							Differential protection	Trolley kit	Lifting eye	Sockets code	Retention container
SINGLE-PHASE																	
PERFORM 3000 C5	2.8	-	KOHLER	CH270_C5	YES	4.1	3.2	96	67	65x51x46	45	o	o	o	1L	RRB1	
PERFORM 4500 C5	4	-	KOHLER	CH395_C5	YES	7.3	4.3	96	68	71x55.5x49	62	o	o	o	P1L	RRB2	
PERFORM 6500 C5	6.3	-	KOHLER	CH440_C5	YES	7.3	2.8	97	69	81x55.5x59	86	o	o	o	P1H	RRB3	
PERFORM 3000 XL C5	2.8	-	KOHLER	CH270_C5	YES	13	10	95	67	65x51x46	47	o	o	o	P1L	X	
PERFORM 4500 XL C5	4	-	KOHLER	CH395_C5	YES	18	10.6	96	68	81x55.5x59	67	o	o	o	P1L	X	
PERFORM 6500 XL C5	6.3	-	KOHLER	CH440_C5	YES	18	6.9	97	69	81x55.5x59	73	o	o	o	P1H	X	
TECHNIC 10000 A C5	10.3	-	KOHLER	CH680_C5	YES	35	7	97	69	89.5x57x77	163	o	o	x	P1ZD	X	
DIESEL 6000 A SILENCE C5	4.9	-	KOHLER	KD15-440E_C5	YES	27	22.5	92	63	99x61.5x96	198	o	o	•	P1ZD	•	
DIESEL 10 LC A SILENCE C5	8.3	-	KOHLER	KDW702-H_C5	YES	27	10.4	94	65	121x79x106	310	o	o	•	P1ZL	•	
THREE PHASE																	
PERFORM 5500 T C5	-	5.6	KOHLER	CH395_C5	YES	7.3	4.3	96	68	81x55.5x59	74	o	o	o	P1J	RRB4	
PERFORM 7500 T C5	-	8.1	KOHLER	CH440_C5	YES	7.3	2.8	97	69	81x55.5x59	94	o	o	o	P1J	RRB5	
PERFORM 5500 T XL C5	-	5.6	KOHLER	CH395_C5	YES	18	10.6	96	68	81x55.5x59	77	o	o	o	P1J	X	
PERFORM 7500 T XL C5	-	8.1	KOHLER	CH440_C5	YES	18	6.9	97	69	81x55.5x59	95	o	o	o	P1J	X	
TECHNIC 15000TA C5	-	14.4	KOHLER	CH680_C5	YES	35	7	97	69	89.5x57x77	172	o	o	x	P1ZE	X	
DIESEL 6500 TA SILENCE C5	-	6.5	KOHLER	KD15-440E_C5	YES	27	22.5	92	63	99x61.5x96	216	o	o	•	P1ZE	•	
DIESEL 15 LC TA SILENCE C5	-	11.9	KOHLER	KDW702-H_C5	YES	27	10.4	94	65	121x79x106	315	o	o	•	P1ZM	•	

• STANDARD o OPTIONAL x UNAVAILABLE SOCKETS PACK - Sockets code - see page 14

OPTIONS

- 1 Differential protection
- 2 Trolley kit



- 3 Lifting eye
- 4 Retention container



PORTABLE RANGE

Welding
SETS

Description	kW (max)	kVA (max)	ENGINE		WELDING		ROD		Autonomy (h)	Guaranteed level of sound power Lwa dB(A)	Acoustic pressure at 7 m in dB(A)	Dimensions (lxwxh) cm	Weight (kg)	OPTIONS				
			Brand	Type	35% welding cycle (normal)	60% welding cycle (intensive)	Min. diam. (mm)	Max. diam. (mm)						Fuel tank (L)	Differential protection	Trolley kit	Welding kit	Sockets code
SINGLE-PHASE																		
WELDARC 200 C5	4	-	KOHLER	CH440_C5	200	170	1.6	4	7.3	2.8	97	69	81x55.5x59	94	•	•	•	P1L
THREE PHASE																		
WELDARC 220 T C5	-	7.1	KOHLER	CH440_C5	200	170	1.6	4	7.3	2.8	97	69	81x55.5x59	95	•	•	•	P1J

SOCKETS PACK - Sockets code - see page 14

• STANDARD

RENTAL RANGE

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MK-RP-50-D0-EN-221

RENTAL COMPACT RANGE

FLAWLESS PERFORMANCE IN LINE WITH THE 5 KEY PRINCIPLES OF THE RENTAL MARKET

KOHLER's Rental COMPACT line provides the concrete solution that generating set rental customers have been waiting for. Ingenuity, practicality and industrial capability are the key ingredients in these intuitive products designed to be functional and robust. They combine compactness, strength, modularity, ease of use and high performance.

ROBUSTNESS



— Impact-resistant for use in the most demanding conditions without compromising performance.

HANDLING



— Ensuring easy handling for the transport and on-site moving phases.

USABILITY



— Designed with the machine's ease of use in mind. Operating and connection phases designed for extra user comfort.

MAINTENANCE



— A structured design to allow quick, easy access to consumable and mechanical parts during cleaning and maintenance. The enclosure can also be easily removed to allow easy access for more thorough maintenance procedures.

SAFETY



— Ensuring user safety during the machine's handling, connection and operating phases. Guaranteeing protection of the generating set to improve its service life.

RENTAL COMPACT ALWAYS READY TO MEET YOUR NEEDS



USABILITY

- 1 Dedicated access
- 2 Controls and bus bars at the rear of the machine
- 3 Access door to radiator and urea tank

MAINTENANCE

- 4 Enclosure easy to remove for straightforward access to the engine and alternator
- 5 Fuel pre-filter
- 6 Oil drainage pump
- 7 Access door or panel to facilitate radiator cleaning

HANDLING

- 8 Integrated lifting eye
- 9 Forklift pockets and shock-absorbing bumpers
- 10 Traction bar to move the genset on the ground using traction

ROBUSTNESS

- 11 Extra-wide oversized base frame (retention container designed to hold 110 % of the generating set's fluid capacity, tank with 24-hour autonomy)
- 12 Robust and compact design
- 13 Heavy Duty air filter with obstruction indicator
- 14 AREP double impregnation alternator
- 15 Watertight wiring harness & connectors

SAFETY

- 16 Doorstop devices
- 17 Large access doors with doorstop devices to prevent accidental opening during transport
- 18 Watertight and dustproof control unit containing electronic and electrical equipment



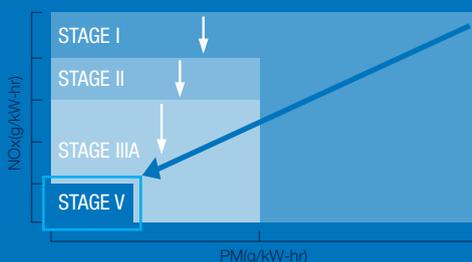
EC compliant - EU and UK

RENTAL COMPACT RANGE

RENTAL ENERGY SOLUTIONS FOR RENTAL CUSTOMERS AND CONSTRUCTION PROFESSIONALS



Generating sets equipped with engines that conform to **STAGE V** regulations include various systems used to reduce microparticles for health and environmental protection.



Generating set
Rental compact R330C5

RANGE RENTAL COMPACT

EC compliant



RENTAL
COMPACT

20 KVA
550 KVA

EC compliant



Generating set
Rental compact R20C5



Generating set
Rental compact R330C5



Generating set
Rental compact R550C5

	R20C5	R50C5	R110C5	R165C5	R220C5	R330C5	R550C5
GENERAL DATA							
PRP power (1) (kVA/kW)	18/14.4	45/36	100/80	150/120	200/160	300/240	500/400
ESP power (2) (kVA/kW)	20/16	50/40	110/88	165/132	220/176	330/264	550/440
Rated current (A)	28	71	159	238	318	476	794
Sound level dB(A) @ 1 meter	75	77	79	75	78	76	82
Sound level dB(A) @ 7 meters	62	67	68	65	68	66	73
Sound level (Lwa)	91	96	97	94	97	96	102

	ENGINE DATA / 1500 RPM						
Compliance with emissions standards	Stage V	Stage V	Stage V	Stage V	Stage V	Stage V	Stage V
Brand	KOHLER	KOHLER	JOHN DEERE				
Model	KDI1903-EU5	KDI2504T-CR-EU5	4045HP551	6068HP550	6068CP550	6090CP550	6136CG550
Prime output (kW)	17.2	43.5	94	150	184	276	462
Number of cylinders	3	4	4	6	6	6	6
Cubic capacity (L)	1.9	2.5	4.5	6.7	6.7	8.9	13.6
Consumption at 100% PRP load (L/h)	4.8	11.0	23.8	35.6	43.4	65.2	109.4
Consumption at 75% PRP load (L/h)	3.7	8.8	17.9	26.7	32.2	48.3	78.7
Fuel/Cooling	Diesel/Water	Diesel/Water	Diesel/Water	Diesel/Water	Diesel/Water	Diesel/Water	Diesel/Water

	TANK CAPACITY						
Fuel tank (L)	153	390	475	735	735	1083	1280
Low capacity fuel tank (L)	X	X	365	X	X	X	X
DEF tank (L)	X	X	56	113	113	113	113

	FUEL TANK AUTONOMY (HOURS)						
at 100% PRP load	31.9	35.5	20.0	20.6	16.9	16.6	11.7
at 75% PRP load	41.4	44.3	26.5	27.5	22.8	22.4	16.3

	DEF TANK AUTONOMY (HOURS)						
at 100% PRP load	X	X	30.4	74.2	64.0	39.6	23.1
at 75% PRP load	X	X	51.4	96.6	93.4	73.5	29.3

	DIMENSIONS						
	M3126	M3128	M5129	M5226		M5227	M5228
Length (mm)	1 850	2 545	3 160	3 884	3 884	4 332	5 000
Width (mm)	901	1 150	1 191	1 191	1 191	1 360	1 611
Height (mm)	1 355	1 824	2 231	2 368	2 368	2 580	2 605
Weight in running order (in kg)	933	1 910	3 020	4 194	4 401	5 320	7 640

	INSTRUMENTATION & CONTROL						
APM*	303	403	403	403	403	403	403

* Advanced Power Management

(1) PRP: Prime power available continuously with variable load for an unlimited time per year in accordance with ISO 8528-1

(2) ESP: Standby power available for emergency use under variable load in accordance with ISO 8528-1, no overload available under this service



NOT EC compliant - Outside EU and UK

RENTAL COMPACT RANGE

**RENTAL ENERGY SOLUTIONS FOR RENTAL
CUSTOMERS AND CONSTRUCTION
PROFESSIONALS**

An innovative concept providing concrete solutions for rental customers. Robust generating sets with a functional design combining ingenuity, compactness and performance.



Generating set
Rental compact R66C3

RANGE RENTAL COMPACT

Not EC compliant

RENTAL
COMPACT

66 KVA
550 KVA
Not EC compliant



Generating set
Rental compact R66C3



Generating set
Rental compact R165C3



Generating set
Rental compact R550RC

	R66C3	R110C3	R165C3	R220C3	R550RC
GENERAL DATA					
PRP power (1) (kVA/kW)	60/48	100/80	150/120	200/160	500/400
ESP power (2) (kVA/kW)	66/53	110/88	165/132	220/176	550/440
Rated current (A)	95	159	238	318	794
Sound level dB(A) @ 1 meter	77	76	78	78	78
Sound level dB(A) @ 7 meters	65	65	68	68	68
Sound level (Lwa)	96	94	97	97	98
ENGINE DATA / 1500 RPM					
Compliance with emissions standards	Stage IIIA	Stage IIIA	Stage IIIA	Stage IIIA	Not certified
Brand	JOHN DEERE	JOHN DEERE	JOHN DEERE	JOHN DEERE	VOLVO
Model	4045HFS85	4045HFS87	6068HFS85	6068HFS86	TAD1641GE-B
Prime output (kW)	56	94	139	184	441
Number of cylinders	4	4	6	6	6
Cubic capacity (L)	4.5	4.5	6.7	6.7	16.1
Consumption at 100% PRP load (L/h)	14.9	24.4	35.0	46.0	98.7
Consumption at 75% PRP load (L/h)	11.9	19.6	24.5	37.6	75.4
Fuel/Cooling	Diesel/Water	Diesel/Water	Diesel/Water	Diesel/Water	Diesel/Water
TANK CAPACITY					
Tank capacity (L)	390	527	860	860	1481
FUEL TANK AUTONOMY (HOURS)					
at 100% PRP load	26.2	21.6	24.6	18.7	15.0
at 75% PRP load	32.8	26.9	35.1	22.9	20.0
DIMENSIONS					
	M3128	M3129	M3226	M3226	M3228
Length (mm)	2 545	2 545	3 520	3 520	5 000
Width (mm)	1 150	1 191	1 190	1 190	1 611
Height (mm)	1 824	2 000	2 120	2 120	2 600
Weight in running order (in kg)	2 040	2 567	3 418	3 586	7 333
INSTRUMENTATION & CONTROL					
APM*	303	303	303	303	403

* Advanced Power Management

(1) PRP: Prime power available continuously with variable load for an unlimited time per year in accordance with ISO 8528-1

(2) ESP: Standby power available for emergency use under variable load in accordance with ISO 8528-1, no overload available under this service

EQUIPMENT AND OPTIONS

BASIC EQUIPMENT SHARED BY EC AND NOT EC COMPLIANT GENERATING SETS

REF		C5 (EC-certified)	C3 - RC (not-EC-certified)
Hb	Analog engine display	•	•
He	Tetrapolar circuit breaker	•	•
Hag	Reinforced alternator protection for extreme environments	•	•
NA	Working hours counter	•	•
Hp	Battery isolating switch	•	•
Had	Heavy duty air filter with interchangeable cartridge	•	•
NA	Watertight wiring harness	•	•
Hy	Double walled base frame and high autonomy + retention container	•	•
Hab	Drainage pump	•	•
Hr	Diesel separator pre-filter	•	•

• STANDARD

FOCUS

VARIABLE SPEED FAN

Only available for the EC-compliant range from 165 to 550 kVA.

Used to automatically adjust the fan speed depending on the load and ambient temperature. Depending on these parameters, the savings on fuel consumption can be considerable.

SOCKETS PACK OPTIONS FOR EC COMPLIANT AND NOT EC COMPLIANT GENERATING SETS

M3126 (R20C5)								
TYPE	INDUSTRIAL TYPE						DOMESTIC TYPE	
SOCKET TYPE	400 V (3P+N+E)				230V (2P+T)		230V (2P+T)	
SOCKET RATING	125A	63A	32A	16A	32A	16A	10/16A NF	10/16A DIN (Schuco)
UK	-	-	1	-	3	-	-	-
FR/BEL/EU	-	-	1	1	-	1	Adapter	1

M3128 (R50C5-R66C3)								
SOCKET TYPE	400 V (3P+N+E)				230V (2P+T)		230V (2P+T)	
SOCKET RATING	125A	63A	32A	16A	32A	16A	10/16A NF	10/16A DIN (Schuco)
UK	1	1	-	-	4	-	-	-
EU	1	1	1	1	-	1	Adapter	1
FR/BEL	1*	1*	1	1	-	1	Adapter	1

M5129 (R110C5) / M3129 (R110C3)								
SOCKET TYPE	400 V (3P+N+E)				230V (2P+T)		230V (2P+T)	
SOCKET RATING	125A	63A	32A	16A	32A	16A	10/16A NF	10/16A DIN (Schuco)
UK	1	1	-	-	4	-	-	-
EU	1	1	1	1	-	1	Adapter	1
FR/BEL	1*	1*	1	1	-	1	Adapter	1

M5226 (R165C5-R220C5) / M5227 (R330C5) / M3226 (R165C3-R220C3)								
SOCKET TYPE	400 V (3P+N+E)				230V (2P+T)		230V (2P+T)	
SOCKET RATING	125A	63A	32A	16A	32A	16A	10/16A NF	10/16A DIN (Schuco)
UK	1	1	-	-	4	-	-	-
EU	1	1	1	1	-	1	Adapter	1
FR/BEL	1*	1*	1	1	-	1	Adapter	1

M5228 (R550C5) / M3228 (R550RC)								
SOCKET TYPE	400 V (3P+N+E)				230V (2P+T)		230V (2P+T)	
SOCKET RATING	125A	63A	32A	16A	32A	16A	10/16A NF	10/16A DIN (Schuco)
EU	-	-	1	-	-	1	Adapter	1

* SOCKETS PROTECTED BY SLAVE SWITCH

PORTABLE RANGE

Generating SETS & Welding SETS

P1H: 1 230V 10/16A socket with circuit breaker
+ 1 x 230V 32A socket with circuit breaker

P1J: 1 230V 10/16A socket with circuit breaker
+ 1 400V 16A socket with circuit breaker

P1L: 2 x 230V 10/16A sockets with circuit breaker

P1ZD: 1 230V 10/16A socket with circuit breaker
+ 1 230V 16A socket with circuit breaker
+ 1 x 230V 32A socket with circuit breaker
+ working hours counter + indicator light
+ APM202

P1ZE: 1 230V 10/16A socket with circuit breaker
+ 1 230V 16A socket with circuit breaker
+ 1 400V 16A socket with circuit breaker
+ working hours counter + indicator light
+ APM202

P1ZL: 2 x 230V 10/16A sockets with circuit breaker
+ 1 230V 16A socket with circuit breaker
+ 1 x 230V 32A socket with circuit breaker
+ emergency stop button
+ working hours counter + indicator light
+ APM202

P1ZM: 1 230V 10/16A socket with circuit breaker
+ 3 230V 16A sockets with circuit breaker
+ 1 400V 16A socket with circuit breaker
+ emergency stop button
+ working hours counter + indicator light
+ APM202

DESCRIPTIONS OF PORTABLE GENERATING SETS
PAGE 7

**ELECTRICAL
OPTIONS**

REF.		C5 (EC Compliant)							C3 - RC (Not EC compliant)				
		R20C5	R50C5	R110C5	R165C5	R220C5	R330C5	R550C5	R66C3	R110C3	R165C3	R220C3	R550RC
HI80	Adjustable differential protection and earthing rod	o	•	•	•	•	•	•	•	•	•	•	o
HI81	APM403 central console (Solo)	o	•	•	•	•	•	•	o	o	o	o	•
HI87 HI109 HI112	Socket panel (FRA/BEL, EU, UK)	o	o	o	o	o	o	•	o	o	o	o	•
HI88	Dual frequency	x	o	o	o	o	o	o	o	o	o	o	o
HI91	EDF pack	x	o	o	o	o	o	o	x	x	x	x	x
HI93	Adjustable mains detector and normal/emergency switching in control unit (U +/- 15%)	x	o	o	o	o	o	o	o	o	o	o	o
HI94	Fixed remote report pack (genset operation, general fault, low fuel level alarm or fault excluding fuel tank on bulk tank)	o	o	o	o	o	o	o	o	o	o	o	o
HI98	Supervision prewiring via GSM/GPRS/3G/4G/GPS telephone network	o	o	o	o	o	o	o	o	o	o	o	o
HI100	Electronic control device with speed adjustment	o	•	•	•	•	•	•	o	•	•	•	•
HI104	Circuit breaker motorization	x	o	o	o	o	o	o	o	o	o	o	o
HI105	Coupling between gensets, A633/A631 configuration	x	o	o	o	o	o	o	o	o	o	o	o

**MECHANICAL
OPTIONS**

REF.		C5 (EC Compliant)							C3 - RC (Not EC compliant)				
		R20C5	R50C5	R110C5	R165C5	R220C5	R330C5	R550C5	R66C3	R110C3	R165C3	R220C3	R550RC
HI72	Hot part protection (ISO 8528-13 EC standard)	•	•	•	•	•	•	•	o	o	o	o	o
HI73	Air preheating	•	•	•	•	•	x	•	•	•	•	•	o
HI83	3-way valve + push pull	o	o	o	o	o	o	o	o	o	o	o	o
HI84	Automatic pack ⁽¹⁾	o	o	o	o	o	o	o	o	o	o	o	o
HI85	Custom color	o	o	o	o	o	o	o	o	o	o	o	o
HI86	EC-compliant road trailer	o	o	x	x	x	x	x	x	x	x	x	x
HI89	Spare wheel with holder	o	o	x	x	x	x	x	x	x	x	x	x
HI95	Shut-off valve with manual reset	o	o	o	o	o	o	o	x	x	x	x	x
HI95 elec	Shut-off valve with electrical reset	o	o	o	o	o	o	o	o	o	o	o	o
HI96	Spark arrester	o	x	x	x	x	x	x	o	o	o	o	o
HI97	Retention container with no drainage	o	o	o	o	o	o	o	x	x	x	x	x
HI101	Low capacity base frame tank	x	x	o	x	x	x	x	x	x	x	x	x
HI108	Retention container fault	o	o	o	o	o	o	o	o	o	o	o	o
HI201	3-valve + fuel quick connector push pull	o	o	o	o	o	o	o	o	o	o	o	o

ACCESSORIES

REF.		C5 (EC Compliant)							C3 - RC (Not EC compliant)				
		R20C5	R50C5	R110C5	R165C5	R220C5	R330C5	R550C5	R66C3	R110C3	R165C3	R220C3	R550RC
HI99	T-shaped earthing rod with reinforcement	o	o	o	o	o	o	o	o	o	o	o	o
HI103	Fuel quick-release connector on customer side	o	o	o	o	o	o	o	o	o	o	o	o
HI106	Current transformer unit for two gensets	x	o	o	o	o	o	o	o	o	o	o	o

• STANDARD
o OPTIONAL
x UNAVAILABLE
(1) PREHEATING + BATTERY CHARGER

RENTAL POWER CONTROL UNITS

A RANGE OF KOHLER SPECIFIC CONTROL UNITS

SPECIFICATIONS	APM303	APM403
DISPLAY		
Frequency	•	•
Line-to-neutral voltages	•	•
Composite voltages	•	•
Currents	•	•
Active/reactive/apparent power	•	•
Power factor	•	•
Mains power detection	x	•*
Battery voltage	•	•
Battery current	x	◦
Start-up delay	•	•
Fuel level	•	•
Oil pressure	•	•
Coolant temperature	•	•
Oil temperature	x	◦
Total working hours counter	•	•
Partial working hours counter	x	•
Total active/reactive energy meter	•	•
Generating set speed	•	•
FAULT INFORMATION (fault or alarm)		
Min/max alternator voltage	•	•
Min/max alternator frequency	•	•
Min/max battery voltage	•	•
Overload and/or short circuit	•	•
Active/reactive power return	x	•*
Oil pressure	•	•
Coolant temperature	•	•
Overspeed	•	•
Underspeed	•	•
Low fuel level	•	•
Emergency stop fault	•	•
Non-starting fault	•	•
Charging alternator fault	•	•
Earthing relay activation fault	◦	•
General alarm	•	•
General fault	•	•
Sound alarm	◦	◦
Fully compatible with SAE J1939	◦	•

*ADVANCED POWER MANAGEMENT

SPECIFICATIONS	APM303	APM403
OPERATION		
Power ON	•	•
Generating set manual starting	•	•
Generating set automatic starting	•	•
Generating set shutdown	•	•
Emergency stop	•	•
Menu navigation using color touch screen	x	x
Navigation in menu using button	•	•
Speed adjustment	◦	◦** / •*
Voltage adjustment	◦	◦** / •*
Controller redundancy	x	x
Dual frequency	x	•
Delayed start programming	x	•
Multilingual using pictograms	•	x
Multilingual text	x	•
CONNECTIVITY		
MODBUS TCP/IP	x	◦
RS485 (MODBUS RTU protocol)	•	•
SNMP protocol	x	◦
Local WEB access	x	◦
Remote WEB access	x	◦
USB port (download config and software)	•	•
Remote control HMI	x	x
COUPLING		
Stopped	x	x
Under load	x	•*
Power plant continuity in case of inter controller communication fault	x	•*
Power management of the plant "Start up and shutdown of one or more generators based on the power requested by the installation"	x	•*
Short-term synchronization of the Out/ Return grid	x	•*
Power plant parallel coupling to grid (temporary, permanent, etc.)	x	x
GENERAL		
Downloading of a customized configuration via USB port	•	•
Download of the firmware configuration + existing settings via USB port	•	•

• STANDARD
 x NOT AVAILABLE
 ◦ OPTIONAL
 * APM403P (COUPLING VERSION)
 ** APM403S (SOLO VERSION)

KOHLER offers a range of specific electrical control units to cover all types of usage, from the most simple to the most complex.

APM303, THE ESSENTIALS MADE SIMPLE

This control unit is mounted on a central console on the EC compliant R20C5 model and on not EC compliant models up to 220 kVA. It offers high-quality basic functions, allowing easy and reliable operation of your generating set. This control unit is mounted on a central console on all generating sets designed for LV industrial applications with and without an automatic transfer switch.



APM303 control unit

REMOTE MANAGEMENT AND SUPERVISION

Remote management and supervision web interface available for APM403 controllers, called WEBSUPERVISOR.

Available as an option, it offers a range of options, from supervision of a single generating set to management of a complete group (installation geolocation, dashboards, etc.). The generating set operating parameters are sent to a server via GSM/3G/4G communication. This interface can be accessed from a PC, a tablet or a smartphone.

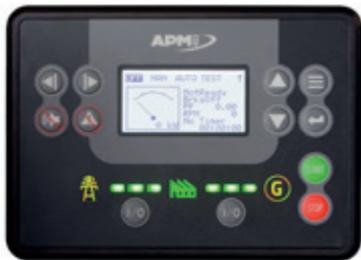


WEBSUPERVISOR web interface

APM403, INTUITIVE, SIMPLE AND CONNECTED

The APM403 is available in two different configurations:

- APM403S for solo applications
- APM403P for coupling between generating sets and parallel coupling of a single generating set to the grid



APM403 control unit (APM403P version)

FOCUS

2-YEAR* OR 4000-HOUR WARRANTY

For your safety and peace of mind, KOHLER provides a 2-year warranty for all of the generating sets in the Rental Power range between 20 and 550 kVA

ALWAYS CLOSE BY AND AT YOUR SERVICE

KOHLER is on hand to assist you in using and maintaining your Rental Power gensets.

Our teams are in constant contact with KOHLER Brest, which means they can respond to all of your needs.

These technical partners undergo continuous training in product developments and new technologies. KOHLER offers support to provide tailored responses and services as quickly as possible.



1 Headquarters and production site (31,000 m²) - Brest, France

● Subsidiaries + offices + KOHLER partners

*A KOHLER team based in Brest offers support for our customers outside Europe.

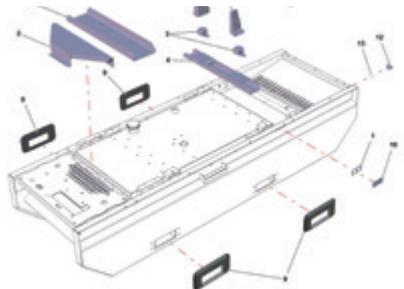
TECHNICAL SUPPORT

GUARANTEEING THE RELIABILITY OF OUR PRODUCTS

— So that you are never without energy. Here and elsewhere, the After-Sales team will quickly respond to any technical question or difficulty encountered with a generating set, from the moment it is installed. KOHLER Service centers are in constant contact with KOHLER's technicians, enabling them to provide quick, tailored solutions.



SPARE PARTS



AN EFFICIENT, WELL-INTEGRATED NETWORK

— While the hub of the spare parts management system is in Brest, KOHLER draws on its Service centers to ensure it can respond to customers' needs. Parts supplied as quickly as possible, at the most competitive price; yet further reassurance for those who have placed their trust in KOHLER generating sets. In addition, the close partnerships KOHLER has formed with its suppliers allow it to offer highly competitive rates on engine and alternator parts.

TOOL FOR IDENTIFYING SPARE PARTS

— KOHLER has implemented a new spare parts search tool called KOHLER POWER Parts (KPP). To access it, please get in touch with your main KOHLER contact. Also available online.



TRAINING

ENSURING THE BEST POSSIBLE RESPONSE

— The KOHLER training department aims to provide our service technicians and their customers with the knowledge required to use and maintain our generating sets. Led by professionals trained using our methods, these training sessions use simulators which can reproduce the various different configurations, relying on both innovative and tried and tested technologies. The training programs are organised by topic and by level, so that they can be adapted to the skills of each individual.

QR CODE TECHNOLOGY

— Using a smartphone to scan one of the QR codes affixed to the door of RENTALPOWER** generating sets takes the user directly to the data sheet for the generating set in question (see above), as well as the safety and demonstration sections.



** QR codes are only featured on RENTAL COMPACT generating sets.

*This warranty only applies if strict usage and maintenance criteria are respected. For more details, please contact the commercial sales department. This warranty covers generating sets from 20 to 550 kVA

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