



RENTAL RANGE

RENTAL POWER

50HZ

3kVA - 2800kVA

AN EXTENSIVE RANGE FOR A SUSTAINABLE INVESTMENT

KOHLER®
SDMO®

MK-RP-50-DO-EN-191



KOHLER

HEADQUARTERS AND PRODUCTION SITE
KOHLER, WI

CLARKE ENERGY

HEADQUARTERS
UNITED KINGDOM

KOHLER-SDMO

HEADQUARTERS AND 2 PRODUCTION SITES
FRANCE

PROVIDING PEOPLE WITH THE ENERGY THEY NEED WHEREVER THE NEED ARISES

From offshore drilling platforms to harsh desert conditions, from building sites to the most exacting industries, KOHLER-SDMO generating sets have proven their performance and reliability time and time again. Dedicated solely to generating sets, KOHLER-SDMO is one of the world's leading manufacturers in the field.

Part of a major international group, it benefits from the support of an extensive distribution network. KOHLER-SDMO currently boasts one of the largest product offerings on the market, positioning itself as a true energy solutions provider.

FURTHER ACROSS THE WORLD CLOSER TO YOU

Going further to support you, remaining closer to your needs, KOHLER-SDMO deploys its international network across 130 countries.

KOHLER Group – POWER SYSTEMS

- ▶ KOHLER-SDMO headquarters in France
- ▶ KOHLER headquarters in the USA
- ▶ Clarke Energy headquarters in the UK
- ▶ 6 production sites
(France, USA, Brazil, Singapore, India, China)

KOHLER-SDMO

- ▶ 11 subsidiaries and offices worldwide
- ▶ 198 distributors in Europe, Africa, the Middle East and South America



KOHLER® | SDMO® 10 FUNDAMENTALS



OPTIMIZED AND CERTIFIED SOUND LEVELS

Optimized 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 COFRAC accredited laboratory (the French official accreditation body)



POWER MAINTAINED EVEN IN EXTREME CONDITIONS

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



QUALITY TESTING

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



APPROVED IN LINE WITH THE MOST STRINGENT STANDARDS

KOHLER-SDMO 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.



LOW FUEL CONSUMPTION

Our engineers and technicians develop specific solutions to further improve fuel consumption and the components being selected for the high levels of performance they offer.



ROBUST BASE FRAMES & HIGH QUALITY ENCLOSURES

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



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.



PROTECTING INSTALLATIONS AND INDIVIDUALS

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



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-SDMO generators pack big performance into a compact frame.



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.

RENTAL POWER, AN EXTENSIVE RANGE FOR A SUSTAINABLE INVESTMENT

A specialist in made-to-measure energy solutions for over 50 years, KOHLER-SDMO 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 2800 kVA:

PORTABLE POWER from 3 kW single-phase to 14.4 kVA three-phase	Light, compact and extra strong.
LIGHTING (1 of the 3 lighting towers available is EC compliant)	Electrical energy and light source even in isolated areas.
RENTAL COMPACT from 20 kVA to 550 kVA (EC compliant)	An innovative concept for specific mobile energy requirements within the European Union: ease of use, safety and performance.
RENTAL COMPACT from 16 kVA to 550 kVA (no EC compliant)	An innovative concept for specific 50 Hz mobile energy requirements outside the European Union: ease of use, safety and performance.
CONTENERGY from 800 kVA to 2800 kVA	The perfect solution for large-scale operations.



REDUCE THE POLLUANT EMISSIONS, KEEP THE POWER KOHLER-SDMO IS READY FOR STAGE V

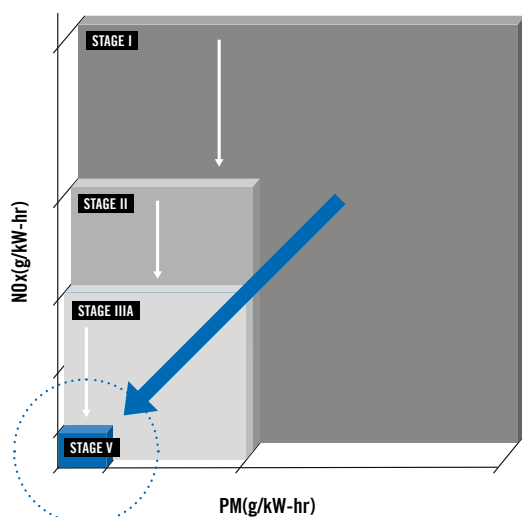


All engines with no power limit designed for UK & European Union use and manufactured as from January 1st, 2019 will need to be STAGE V compliant. This regulation concerns all off-road mobile motorized equipment in the UK & European Union market, especially mobile generating sets.

KOHLER-SDMO, as a leader in the Power Generation market and respectful of the environment, is able to offer you a wide range of RENTAL COMPACT & PORTABLE POWER genset, equipped with STAGE V engines and RoHS2 compliant.

Transition period:

It is still possible to sell generating sets fitted with the previous engine generation (Stage IIIA or not certified) if engine power <18 kW or >560 kW and under conditions.



STAGE IIIA

ENGINE POWER	STAGE IIIA EMISSION STANDARD (g/kwh)
From 18 to 37 kw	7.5 NOx+HC / 5.5 CO / 0.6 PM
From 37 to 56 kw	4.7 NOx+HC / 5.0 CO / 0.4 PM
From 56 to 75 kw	4.7 NOx+HC / 5.0 CO / 0.4 PM
From 75 to 130 kw	4.0 NOx+HC / 5.0 CO / 0.4 PM
From 130 to 560 kw	4.0 NOx+HC / 3.5 CO / 0.2 PM

STAGE V

ENGINE POWER	STAGE V EMISSION STANDARD (g/kwh)
From 0 to 8 kw	7.5 NOx+HC / 8.0 CO / 0.4 PM
From 8 to 18 kw	7.5 NOx+HC / 6.6 CO / 0.4 PM
From 18 to 37 kw	4.7 NOx+HC / 5.0 CO / 0.015 PM
From 37 to 56 kw	4.7 NOx+HC / 5.0 CO / 0.015 PM
From 56 to 130 kw	0.4 NOx / 0.19 HC / 5.0 CO / 0.015 PM
From 130 to 560 kw	0.4 NOx / 0.19 HC / 3.5 CO / 0.015 PM
> 560 kw	0.67 NOx / 0.19 HC / 3.5 CO / 0.035 PM



ROBUSTNESS

Impact-resistant for use in the most demanding conditions. Guaranteeing high 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.



ROCK-SOLID PERFORMANCE

TO FIT THE 5 FUNDAMENTALS OF THE RENTAL MARKET

With its **Rental COMPACT line**, KOHLER-SDMO is providing the practical solution that rental customers of generating sets demand. 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.



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 POWER | FROM 2.8 KW SINGLE-PHASE TO 14.4 KVA THREE-PHASE

ENERGY AT YOUR FINGERTIPS



GENERATING SETS

These generating sets have reinforced chassis and standard equipment which focus 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 manoeuvrability, safety and stability. Every generating set in this range has the «rental pack»: differential protection, trolley kit, lifting eye.



Perform 3000



Perform 6500 XL



Diesel 10000E Silence

TECHNICAL SPECIFICATIONS

SPECIFICATIONS			ENGINE					ALTERNATOR	EEC SOUND LEVEL LWA	DB(A)@7M	DIMENSIONS ⁽²⁾	WEIGHT	RENTAL OPTIONS		
Type	Max. output at 230V		Make	Type	Oil cut-out	HP 3600 rpm	Autonomy H	Fuel tank L	230V circuit breaker			kg	Differential protection	Lifting eye	Trolley kit
	kW ISO 8528	Kva Cos Phi 0.8									lxwxh cm				
Perform 3000	2.8	-	Kohler	CH 270	YES	6	3.2	4.1	YES	96	67	65 x 51 x 46	45	0	0
Perform 3000 XL	2.8	-	Kohler	CH 270	YES	6	10	13	YES	95	67	65 x 51 x 46	46.5	0	0
Perform 4500	4.0	-	Kohler	CH 395	YES	8.5	4.3	7.3	YES	96	68	71 x 55.5 x 49	61.5	0	0
Perform 4500 XL	4.0	-	Kohler	CH 395	YES	8.5	10.6	18	YES	96	68	81 x 55.5 x 59	66.5	0	0
Perform 6500 C5	6.3	-	Kohler	CH 440	YES	11.9	2.8	7.3	YES	97	69	81 x 55.5 x 59	85.5	0	0
Perform 6500 XL C5	6.3	-	Kohler	CH 440	YES	11.9	6.9	18	YES	97	69	81 x 55.5 x 59	87	0	0
Technic 10000 AC5	10.3	-	Kohler	CH 680	YES	22.5	6.6	33	YES	97	69	89.5 x 57 x 77	167	0	x
Diesel 6000A silence C5	4.9	-	Kohler	KD15-440	YES	9.8	22.5	27	YES	88	59	99 x 61.5 x 96	198	0	•
Diesel 10000E silence	8.8	-	Kohler	KD425-2	YES	19	12.9	27	YES	97	68	118 x 67 x 96	269	0	•
Max. output 400V															
Perform 5500T	4.5	5.6	Kohler	CH 395	YES	8.5	4.3	7.3	YES	96	68	71 x 55.5 x 49	73.5	0	0
Perform 5500T XL	4.5	5.6	Kohler	CH 395	YES	8.5	10.6	18	YES	96	68	81 x 55.5 x 59	76.5	0	0
Perform 7500T C5	6.5	8.1	Kohler	CH 440	YES	11.9	2.8	7.3	YES	97	69	81 x 55.5 x 59	93.5	0	0
Perform 7500T XL C5	6.5	8.1	Kohler	CH 440	YES	11.9	6.9	18	YES	97	69	81 x 55.5 x 59	94.5	0	0
Technic 15000TA C5	11.5	14.4	Kohler	CH 680	YES	22.5	6.6	33	YES	97	69	89.5 x 57 x 77	176	0	x
Diesel 15000TE silence	10	12.5	Kohler	KD425-2	YES	19	12.9	27	YES	97	68	118 x 67 x 96	275	0	•

• Standard
o Option
X Not available

* Rental version ⊕
** In the Rental version ⊕ the dimensions are 81x56x59 cm

(1) in the Rental version ⊕ this generating set is equipped with the AVR (Automatic Voltage regulation) function
(2) dimensions of the generating set only (without trolley kit or lifting eye)

WELDING GENSETS

The welding generating sets combine the technology developed for the PORTABLE Rental Power range with the capacity to provide electrical energy and a welding function.

TECHNICAL SPECIFICATIONS

Type	WELDING SPEED			ENGINE					EEC SOUND LEVEL LWA	DB(A)@7M	DIMENSIONS ⁽²⁾	WEIGHT	RENTAL OPTIONS			
	Normal 35%	Intensive 60%	Auxiliary output	Make	Type	Consumption l/h	Autonomy H	Fuel tank L			lxwxh cm	kg	Differential protection	Trolley kit	Maintenance kit	Welding kit
Weldarc 200	170A	200A	4 kW (230V)	Kohler	CH 440	2.6	2.8	7.3	97	69	81 X 56 X 59	105	•	0	0	0
Weldarc 220T	170A	200A	7.15 kVA (400V)	Kohler	CH 440	2.6	2.8	7.3	97	69	81 X 56 X 59	106	x	0	0	0

• Standard
X Not available

RENTAL POWER

► RL10 LIGHTING TOWER

Metal halide (LED in option)

Thanks to its expertise in the design and manufacture of autonomous energy solutions, KOHLER-SDMO is therefore supplementing its range of lighting towers designed for the demanding construction market.

**COMPACT**

8 masts side by side
on a truck bed

**MOTORIZED**

mast

**OPTIMIZED
SOUND LEVEL**

only 74 dB(A) @1m

**EU + UK COMPLIANT**

Stage V EC compliant

**BRAKED TRAILER**

approved for use
throughout the
European Union

**HYBRID SOLUTION**

Autonomous power but
lights can be supplied from
the mains via a socket

**MAST ROTATES
360°****-50% REDUCED FUEL
CONSUMPTION**

With the LED option

LIGHT WHEREVER YOU NEED

**RL10C5** ► EC COMPLIANT**RL6-1B / RL4500-3 (LED)**

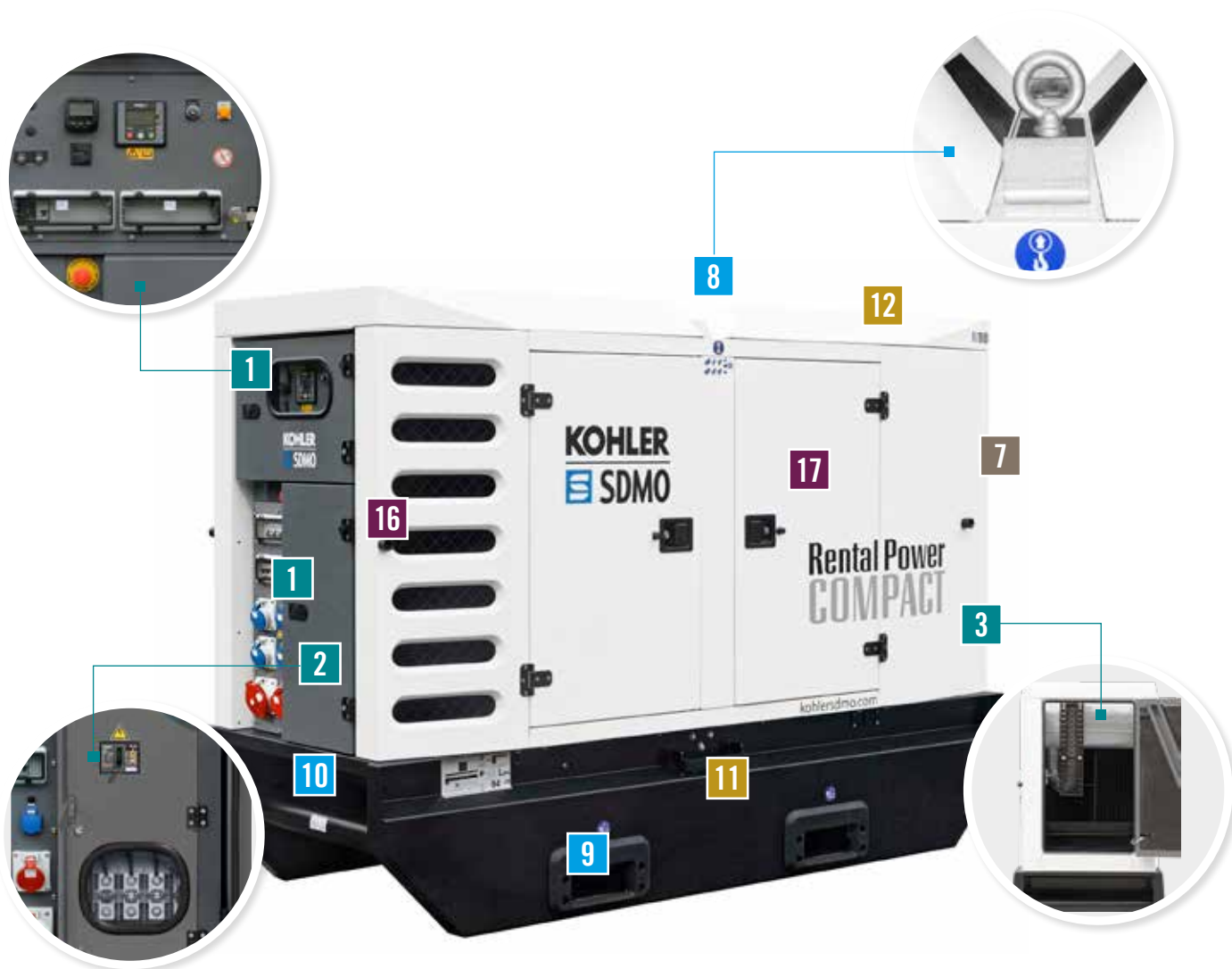
TECHNICAL SPECIFICATIONS

Type	ENGINE					LIGHT BULBS				SIZE				WEIGHT	SOUND LEVEL	
	Make	Type	Starting	Fuel	Autonomy	Number	Total output	Light	Type of bulb	Length (mm)	Width (mm)	Height of deployed tower (mm)	Height of retracted tower (mm)	Kg	LwA	dB(A)@1m
RL10C5 (EC Compliant)	Kohler engine	KDW1003	Electric	DIESEL	70HRS	4	4000We	320,000 lumens	Metal halide	2300	1530	9000	2330	1300	90	74
RL4500-3 (NOT EC)	Kohler engine	KDW502	Electric	DIESEL	165HRS	3	4500We*	450 000 lumens*	LED	4380	1230	9000	1760	705	92	76
RL6-1b (NOT EC)	Kohler engine	KDW1003	Electric	DIESEL	67HRS	4	4000We	400 000 lumens	Metal halide	4380	1230	9000	1760	670	92	76

* Metal iodide equivalent

RENTAL POWER COMPACT

ALWAYS CLOSER TO YOUR NEEDS



USABILITY

- 1 Dedicated accesses
- 2 Power connections located on the bottom including power busbar
- 3 Radiator access door



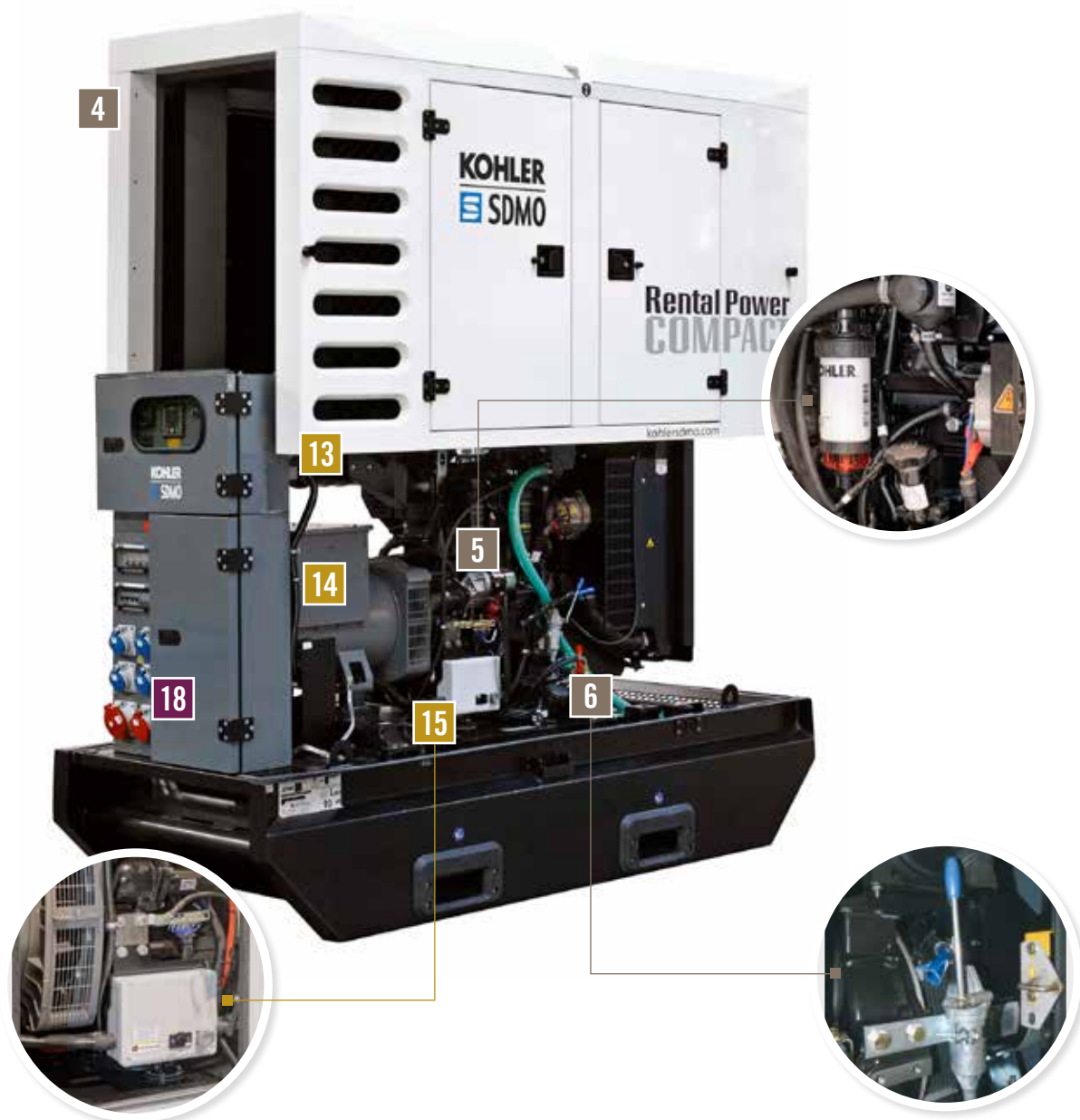
MAINTENANCE

- 4 Easy lift canopy designed to facilitate the access to engine and alternator
- 5 Fuel pre filter
- 6 Oil sump pump
- 7 Door or panel access for an easy cleaning of the radiator



HANDLING

- 8 Integrated lifting eye
- 9 Forklift pockets and frame protection pads
- 10 Traction bar to move the genset on the ground using traction



ROBUSTNESS

- 11** Large and strong bounded frame (retention bund sized for 110% of generator liquids, 24h autonomy fuel tank)
- 12** Strong and compact design
- 13** Heavy Duty air filter with restriction indicator
- 14** AREP double impregnation alternator
- 15** Waterproof wiring loom and connectors



SAFETY

- 16** Door retainers
- 17** Large engine access doors with anti-opening lock system to avoid opening during transport
- 18** Water and dust proof control power Box integrating electronic and electric devices

RENTAL POWER | FROM 20 kVA TO 550 kVA - EC COMPLIANT



R33C3



R50C5



► MAINTENANCE GAINS FOR J66C3 & J110C3

Thanks to the technology of their engines, the maintenance interval on these gensets goes from 500 to 750 hours!

C3/C5 TECHNICAL SPECIFICATIONS

PART NO.	R20C5	R33C3	R44C3	R50C5	R66C3	R110C3	R165C3	R220C3	R330C3	R330C5	R550C3
GENERAL DATA											
PRP ⁽¹⁾ power (kVA/kW)	18/14.4	30/24	40/32	45/36	60/48	100/80	150/120	200/160	300/240	300/240	500/400
ESP ⁽²⁾ power (kVA/kW)	20/16	33/26	40/32	50/40	66/53	110/88	165/132	220/176	330/264	330/264	550/440
Rated current (A)	28	48	58	71	95	159	238	318	476	476	794
Sound level dB(A) @ 1 metre	74	72	71	75	77	76	78	78	78	78	76
Sound level dB(A) @ 7 metres	61	60	59	64	65	65	68	68	67	67	66
Sound level (Lwa)	90	90	88	94	96	94	97	97	97	97	96

ENGINE DATA / 1500 RPM											
Emission compliance	stage V	stage IIIA	stage IIIA	stage V	stage IIIA	stage IIIA	stage IIIA	stage IIIA	stage IIIA	stage V	stage IIIA
Make	KOHLER ENGINE	mitsubishi	mitsubishi	KOHLER ENGINE	JOHN DEERE	JOHN DEERE	JOHN DEERE	JOHN DEERE	JOHN DEERE	JOHN DEERE	VOLVO
Model	KD1903	S4S-Z361SD	S4S-Z3DT61SD	KD12504	4045HFS85	4045HFS87	6068HFS85	6068HFS86	6090HFS86	6090HFS	TAD1651GE
Prime output (kW)	17.2	28.3	36	43.5	56	94	139	184	276	276	441
Number of cylinders	3	4	4	4	4	4	6	6	6	6	6
Capacity (L)	1.9	3.33	3.33	2.5	4.48	4.48	6.72	6.72	8.98	8.98	16.12
Consumption at 75% load (L/h)	3.98	6.2	8.1	8.29	11.9	19.6	24.5	37.6	50.7	47.8	79.8
Fuel / Cooling	Diesel / Water	Diesel / Water	Diesel / Water	Diesel / Water	Diesel / Water	Diesel / Water	Diesel / Water	Diesel / Water	Diesel / Water	Diesel / Water	Diesel / Water
HCNOx emissions @ESP (g/K Wh)	4.6	7.4	7.4	4.7	4.16	3.54	3.68	3.68	3.89	-	3.62

FUEL TANK											
Capacity of the high capacity tank (L)	153	220	220	390	390	527	860	860	1083	1083	1481
Capacity of the low capacity tank (L)	x	x	x	x	x	209	377	377	x	x	x

AUTONOMY WITH HIGH CAPACITY FUEL TANK (IN HOURS)											
at 100% load	30	25.6	21.2	35	26.2	21.6	24.6	18.7	15.8	16.3	14.4
at 75% load	38	35.5	27.2	47	32.8	26.9/10.7*	35.1/15.4*	22.9/10*	21.4	22.6	18.6
at 50% load	57	51.1	49.4	70	44.8	37.4	47.8	33	29.6	31.1	26.9

DIMENSIONS WITH HIGH CAPACITY TANK	M3126	M3127	M3128	M3129	M3226	M3227	M3228
Length (mm)	1850	2200	2200	2545	2545	4332	5000
Width (mm)	901	1000	1000	1150	1191	1361	1611
Height (mm)	1355	1528	1528	1824	2000/1850*	2431	2600
Weight in running order (in kg)	875	1277	1312	1985	2567/1557*	5044	7476

COMMAND CONTROL											
APM**	303	303	303	403	303	303	303	303	303	403	403

* In low capacity version

** Advanced Power Management

X Not available

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

(2) ESP: standby power available for supplying emergency power with variable load applications in accordance with ISO 8528-1, no overload

RENTAL POWER | FROM 16 kVA TO 550 kVA - NO EC COMPLIANT



R22RC



R66RC



R200RC

RC TECHNICAL SPECIFICATIONS

PART NO.	R16RC	R33RC	R44RC	R66RC	R110RC	R165RC	R200RC	R450RC	R550RC
GENERAL DATA									
PRP power ⁽¹⁾ (kVA/KW)	15/12	30/24	40/32	60/48	100/80	150/120	180/144	400/320	500/400
ESP power ⁽²⁾ (kVA/KW)	16/13	33/26	40/32	66/53	110/88	165/132	198/158	440/352	550/440
Rated current (A)	23	48	58	95	159	238	286	635	794
Sound level dB(A) @ 1 metre	76	72	71	75	76	78	84	79	78
Sound level dB(A) @ 7 metres	63	60	59	63	65	68	74	69	68
Sound level (Lwa)	92	90	88	92	94	97	103	99	98
ENGINE DATA / 1500 RPM									
Make	MITSUBISHI	MITSUBISHI	MITSUBISHI	JOHN DEERE	JOHN DEERE	JOHN DEERE	JOHN DEERE	VOLVO	VOLVO
Model	S4L2-SD	S4S-Z361SD	S4S-Z3DT61SD	4045TF120	4045HF120	66068HF120-153	66068HF120-153	TAD1344GE	TAD1641GE
Prime output (kW)	14.4	28.3	36	63	91	139	170	364	441
Number of cylinders	4	4	4	4	4	6	6	6	6
Auxiliary voltage (V)	12	12	12	12	12	12	12	24	24
Capacity (L)	1.76	3.33	3.33	4.48	4.48	6.72	6.72	12.78	16.12
Consumption at 75% load (L/h)	3.4	6.2	8.1	12	16.5	25	31.3	63.3	75.4
Fuel / Cooling	Diesel / Water	Diesel / Water	Diesel / Water	Diesel / Water	Diesel / Water	Diesel / Water	Diesel / Water	Diesel / Water	Diesel / Water
FUEL									
Capacity of the high capacity tank (L)	153	220	220	390	527	860	860	1481	1481
Capacity of the low capacity tank (L)	x	x	x	x	209	377	377	x	x
AUTONOMY WITH HIGH CAPACITY FUEL TANK (IN HOURS)									
at 100% load	35	25.6	21.2	24	22	26	21	18	15
at 75% load	45	35.5	27.2	33	32/12.7**	34/15.8**	27/12**	23	20
at 50% load	59	51.1	49.4	46	46	51	42	35	29
DIMENSIONS (DOUBLE WALL CHASSIS)									
	M3126	M3127		M3128	M3129	M3226		M3228	
Length (mm)	1850	2200	2200	2545	2860	3520	3520	5000	5000
Width (mm)	901	1000	1000	1150	1191	1190	1190	1611	1611
Height (mm)	1355	1528	1528	1824	2000/1850**	2120/1915**	2120/1915**	2600	2600
Weight in running order (in kg)	900	1277	1312	1950	2567/2017**	3418/2994**	3070/3386**	6855	7333
COMMAND CONTROL									
APM***	303	303	303	303	303	303	303	403S	403S

* Optional

** In low capacity version

*** Advanced Power Management

(1) PRP: main power available continuously under variable load for an unlimited number of hours annually, in accordance with ISO 8528-1

(2) ESP: standby power available for supplying emergency power with variable load applications in accordance with ISO 8528-1, no overload available for this service.

RENTAL POWER | FROM 16 kVA TO 550 kVA

EQUIPMENT AND OPTIONS

FOCUS

▶ VARIABLE SPEED FAN

Only available on EC compliant range from 165 to 550 kVA.

Permits to adjust automatically the fan speed according to the load and the ambient temperature. Depending to these parameters the gains in fuel consumption can be very important.

BASIC EQUIPMENT SHARED BY EC AND NON-EC COMPLIANT GENERATING SETS

		C5 (EC compliant)	C3 (EC compliant)	RC (Not EC compliant)
1	Analog engine display	•	•	•
2	Four-pole circuit breaker	•	•	•
3	Reinforced alternator protection (TS26S004) for extreme environments	•	•	•
4	Basic sockets for the R450/RC and the R550C3/RC	•	•	•
5	Hour counter	•	•	•
6	Battery isolator switch	•	•	•
7	Heavy duty air filter with interchangeable cartridge	•	•	•
8	Watertight wiring harness	•	•	•
9	Double walled chassis and high autonomy + bulk tank	•	•	•

• Standard

1 ▶



2 ▶



3 ▶



4 ▶



5 ▶



6 ▶



7 ▶



8 ▶



9 ▶



STANDARD EQUIPMENT FOR EC GENERATING SETS AND OPTIONAL FOR NON-EC SETS

		C5 (EC compliant)	C3 (EC compliant)	RC (Not EC compliant)
1	Adjustable differential protection and earthing rod	•	•	0
2	Drainage pump	•	•	0
3	Protective grille for hot parts	•	•	0
4	Diesel separator pre-filter	•	•	0
5	Inlet air preheating	•	•	0

• Standard 0 Option

1 ▶



2 ▶



3 ▶



4 ▶



5 ▶



ELECTRICAL OPTIONS

REF.		C5 (EC compliant)			C3 (EC compliant)								RC (Not EC compliant)								
		R20	R50	R330	R33	R44	R66	R110	R165	R220	R330	R550	R16	R33	R44	R66	R110	R165	R200	R450	R550
HI81	APM403S (Solo) console	0	•	•	0	0	0	0	0	0	0	•	0	0	0	0	0	0	0	•	•
HI105	APM403P (Parallel) coupling of 2 or 3 generating sets	x	0	0	x	x	0	0	0	0	0	0	x	x	x	0	0	0	0	0	0
HI82X/ HI91	EDF pack	0	0	0	0	0	0	0	0	0	0	0	x	x	x	x	x	x	x	x	x
HI74	Fixed differential protection and earthing rod	•	x	x	•	•	x	x	x	x	x	x	0	0	0	x	x	x	x	x	x
HI80	Adjustable differential protection and earthing rod	0	•	•	0	0	•	•	•	•	•	•	x	x	x	0	0	0	0	0	0
HI92	Type B adjustable differential protection	x	0	0	x	x	0	0	0	0	0	0	x	x	x	0	0	0	0	0	0
HI87	Socket panel (FR/BEL, UK, EU)	0	0	0	0	0	0	0	0	0	0	•	0	0	0	0	0	0	0	•	•
HI88	Dual frequency	x	0	0	0	0	0	0	0	0	0	0	x	0	0	0	0	0	0	0	0
HI94	Fixed remote report pack (genset operation, general fault, low fuel level alarm or fault excluding fuel tank on bulk tank)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI93	Adjustable mains detector and normal/emergency switching in control unit (U +- 15%)	0	0	0	0	0	0	0	0	0	0	0	x	0	0	0	0	0	0	0	0
HI100	Electronic control device with speed adjustment	0	•	•	0	0	0	•	•	•	•	•	x	0	0	0	0	0	0	•	•
HI104	Motorisation of the circuit breakers	x	0	0	x	x	0	0	0	0	0	0	x	x	x	0	0	0	0	0	0

MECHANICAL OPTIONS

HI101	Low capacity fuel tank	x	x	x	x	x	x	0	0	0	x	x	x	x	x	x	0	0	0	x	x
HI83	3-way valve + push pull	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI84	Automatic pack (1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI85	Customised colours	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI86	EC-compliant road trailer	0	0	0	0	0	0	0	x	x	x	x	0	0	0	0	0	x	x	x	x
HI89	Emergency wheel with support	0	0	0	0	0	0	0	x	x	x	x	0	0	0	0	0	x	x	x	x
HI95	Manually resettable shut-off valve	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI95 ELEC	Electrically resettable shut-off valve	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI96	Spark arrester	0	0	0	0	0	0	0	0	0	•	•	0	0	0	0	0	0	0	•	•
HI97	Bulk tank with no drainage	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ACCESSORY OPTIONS

HI103	Quick fuel connector on customer side	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI106	Core earthfault box (when paralleling)	x	0	0	x	x	0	0	0	0	0	0	x	x	x	0	0	0	0	0	0

X Not Available 0 Option • Standard (I) Preheating + Battery charger

SOCKET PACK OPTIONS (SHARED BY "EC COMPLIANT" (C3-C5) AND "NOT EC COMPLIANT" (RC) VERSIONS)

M3126 (R16-R20)									
TYPE	INDUSTRIAL TYPE						DOMESTIC TYPE		
SOCKET TYPE	400 V (3P+N+E)			230V (2P+T)			230V (2P+T)		
SOCKET RATING	63A			32A			10/16A NF		
UK	-	-	-	1	-	-	-	-	-
FR/BEL/EU	-	-	-	1	1	-	Adaptor	-	1
M3127 (R33-R44)									
TYPE	INDUSTRIAL TYPE						DOMESTIC TYPE		
SOCKET TYPE	400 V (3P+N+E)			230V (2P+T)			230V (2P+T)		
SOCKET RATING	63A			32A			10/16A NF		
UK	-	1	-	-	-	3	-	-	-
EU	-	1	1	-	-	-	Adaptor	1	1
FR/BEL	-	1*	1	-	-	1	Adaptor	1	1
M3128 (R50-R66) / M3129 (R110)									
TYPE	INDUSTRIAL TYPE						DOMESTIC TYPE		
SOCKET TYPE	400 V (3P+N+E)			230V (2P+T)			230V (2P+T)		
SOCKET RATING	125A			32A			10/16A NF		
UK	1	1	-	-	-	4	-	-	-
EU	1	1	1	1	-	1	Adaptor	1	1
FR/BEL	1*	1*	1	1	-	1	Adaptor	1	1
M3226 (R165-R200-R220) / M3227 (R330)									
TYPE	INDUSTRIAL TYPE						DOMESTIC TYPE		
SOCKET TYPE	400 V (3P+N+E)			230V (2P+T)			230V (2P+T)		
SOCKET RATING	125A			32A			10/16A NF		
UK	1	1	-	-	-	4	-	-	-
EU	1	1	1	1	-	1	Adaptor	1	1
FR/BEL	1*	1*	1	1	-	1	Adaptor	1	1

* Sockets protected by slave switch

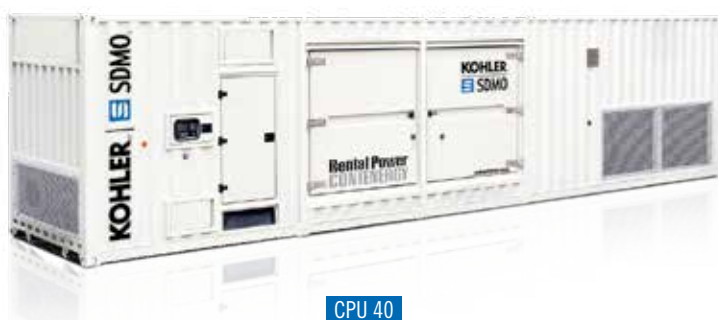
RENTAL POWER | FROM 800 kVA TO 2800 kVA

HIGH-OUTPUT ENERGY AUTONOMY

From 800 to 2800 kVA, KOHLER-SDMO offers a wide range of high-output generating sets with the CONTENERGY concept. These compact models are available on versions which are particularly adapted to mobile and rental applications thanks especially to their low sound level and great flexibility of use.



CIR20 SSI DRY



CPU 40

SUPER SILENT VERSIONS

MODELS		R800	R900	R1000	R1100	R1250	R1400	R1500	R1650	R1800	R2000	R2250	R2500	R2800
CONTAINERS														
Super Silent	CIR20 SSI DRY	•	•	•	•	•	•	•	X	X	X	X	X	X
	CPU40	X	X	X	X	X	X	X	•	•	•	•	•	•

• Standard
X Not available

TECHNICAL SPECIFICATIONS

MODELS		R800	R900	R1000	R1100	R1250	R1400	R1500	R1650	R1800	R2000	R2250	R2500	R2800
Makes		KOHLER	KOHLER	KOHLER	KOHLER	KOHLER	mitsubishi	KOHLER	KOHLER	KOHLER	KOHLER	KOHLER	KOHLER	KOHLER
Engines		KD27V12	KD27V12	KD27V12	KD27V12	KD36V16	S12R-PTA	KD36V16	KD45V20	KD45V20	KD62V12	KD62V12	KD62V12	KD62V12
PRP ⁽¹⁾ power (kVA)		727	818	909	1000	1136	1273	1364	1500	1636	1818	2045	2273	2545
PRP ⁽¹⁾ power (kW)		581	654	727	800	909	1018	1091	1200	1309	1454	1636	1818	2036
ESP ⁽²⁾ power (kVA)		800	900	1000	1100	1250	1403	1500	1650	1800	2000	2250	2500	2800
ESP ⁽²⁾ power (kW)		640	720	800	880	1000	1122	1200	1320	1440	1600	1800	2000	2240
Super Silent	SSI sound level (dB(A) @ 1m)	78	78	79	80	83	83	85	90	80	83	83	83	83
	Autonomy at 3/4 load (hours)	17	14.1	12	11	9.6	5,8	7.2	5.7	6.8	5.6	5.1	4.5	4.2
	Fuel tank (L)	1850	1850	1850	1850	1850	1200	1500	1370	1500	1500	1500	1500	1500
	Weight in running order (kg)	13650	14010	15100	15400	15910	18182	18200	22410	18000	31700	31950	32420	32780

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

(2) ESP: standby power available for supplying emergency power with variable load applications in accordance with ISO 8528-1, no overload available for this service.

STANDARD AND OPTIONS

	Super Silent	
	CIR20 SSI DRY	CPU40
Length (mm)	6058	12192
Width (mm)	2438	2438
Height (mm)	2590	2896
CSC compliant	x	•
AREP alternator	•	•
Number of Doors	2	3
Double access doors at maintenance points	x	•
Bulk tank	•	•*
Galvanised air outlet rain grille	x	x
"Rental type" termination box	•	•
Primary filter	•	•
Voltage adjustment	•	•
Control/command accessible from outside	•	0
Oil drainage pump	•	•
Battery isolating switch	•	•
Automatic oil change system	x	•
3 track valve	•	•
Security lighting/shut-off valve	•	•
RACCOR diesel separator pre-filter	x	•
Switchable tandem RACCOR separator pre-filters	x	x
Autonomous preheating boiler	0	0
"Heavy duty" air filter with interchangeable cartridge	0 ⁽¹⁾	0
Interchangeable air inlet filter device	x	x
Automatic pack (preheating + battery charger)	0	0
Reinforced alternator insulation	0	0
Dual frequency	0*	0*
Automatic filling kit 1 pump 1m3/h	0	0
Automatic management of diff. protection in coupling mode	0	0
Type B differential protection	0	0
CANBus connection reinforced cable (20 m)	0	0
Customer colours	0	x
APM403P (Parallel) console	•	•

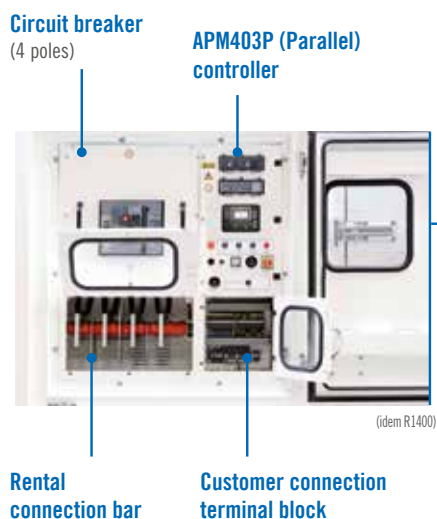
• Standard
o Option

x Not available
0* Option (details on request)

HC High Cube
(1) Except R1250

R1500, COMPACT EFFICIENCY

The R1500 combines emergency power of 1500 kVA with the compactness of a 20-foot dry container (CIR20 SSI DRY). This generating set's large access doors and filtration system accessible from the outside make it easy to use and maintain.





RENTAL POWER CONTROL UNITS

A SPECIFIC KOHLER-SDMO RANGE OF CONTROL UNITS

SPECIFICATIONS	APM303	APM403	APM802
DISPLAY			
Frequency	•	•	•
Phase to neutral voltages	•	•	•
Phase to phase voltages	•	•	•
Currents	•	•	•
Active/reactive/apparent power	•	•	•
Power factor	•	•	•
Mains power detection	X	•*	•
Battery voltage:	•	•	•
Battery current	X	0	0
Start-up delay	•	•	•
Fuel level	•	•	•
Oil pressure	•	•	•
Coolant temperature	•	•	•
Oil temperature	X	0	0
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	•	•	•
Speed too high	•	•	•
Speed too low	•	•	•
Low fuel level	•	•	•
Emergency stop fault	•	•	•
Non-starting fault	•	•	•
Charging alternator fault	•	•	•
Earthing relay activation fault	0	•	•
General alarm	•	•	•
General fault	•	•	•
Sound alarm	0	0	•
Fully compatible with SAE J1939	X	•	•

SPECIFICATIONS	APM303	APM403	APM802
OPERATION			
Power ON	•	•	•
Manual generating set starting	•	•	•
Automatic generating set starting	•	•	•
Generating set shut down	•	•	•
Emergency stop	•	•	•
Menu navigation using color touch screen	X	X	•
Navigation in menu using button	•	•	X
Speed adjustment	0	0** / •*	•
Voltage adjustment	0	0** / •*	•
Controller redundancy	X	X	0
Dual frequency	X	•	0
Delayed start programming	X	•	0
Multilingual using pictograms	•	X	X
Multilingual text	X	•	•
CONNECTIVITY			
MODBUS TCP/IP	X	0	•
RS485 (MODBUS RTU protocol)	•	•	•
SNMP protocol	X	0	X
Local WEB access	X	0	X
Remote WEB access	X	0	X
USB port (config and software downloading)	•	•	•
Remote control HMI	X	X	0
COUPLING			
Stopped	X	X	•
Under load	X	•*	•
Continuity of the power plant in the event of a failure in communication between control units	X	•*	•
Power management of the plant "Start up and shutdown of one or several generating sets based on the power requested by the installation"	X	•*	•
Short-term synchronising of grid Out/Return	X	•*	•
Power plant paralleling 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 0 Optional * APM403P (coupling version) ** APM403S (solo version)

* Advanced Power Management

KOHLER-SDMO 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

The APM303 is a versatile unit equipped with a particularly intuitive LCD screen. It offers high-quality basic functions, allowing easy and reliable operation of your generating set. This unit is mounted on a console on all generating sets designed for LV industrial applications with and without a source transfer switch.

APM403, INTUITIVE, SIMPLE AND CONNECTED

The APM403 is available in two different configurations. The APM403S (Solo) version is fitted as standard on all generating sets intended for LV applications from 450 to 700 kVA. The parallel version APM403P (Paralel) allows coupling of gensets or mains paralleling.

▶ APM403P (PARALLEL), GUARANTEEING FLEXIBILITY

This allows the bank of rental generating sets to be adapted to the various possible uses by enabling the power of 2 or 3 generating sets to be added very simply.

This controller with coupling functionality is available as an option on all generating sets in the Rental Compact range from 66 to 700 kVA.

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 fleet (geolocalisation of installation, 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.

▶ COMPATIBILITY WITH YOUR RANGE OF GENERATING SETS

The products described above are designed and developed by KOHLER-SDMO. With confidence in their knowledge and expertise, the company recommends them in the first instance.

However, in the interests of the standardisation and flexibility of your range of generating sets, KOHLER-SDMO also offers control units designed by another manufacturer.



▶ APM303 control unit



▶ APM403 control unit (APM403P version)



▶ WEBSUPERVISOR web interface



▶ DSE8610 from 60 to 550 kVA



ALWAYS CLOSE BY AND AT YOUR SERVICE

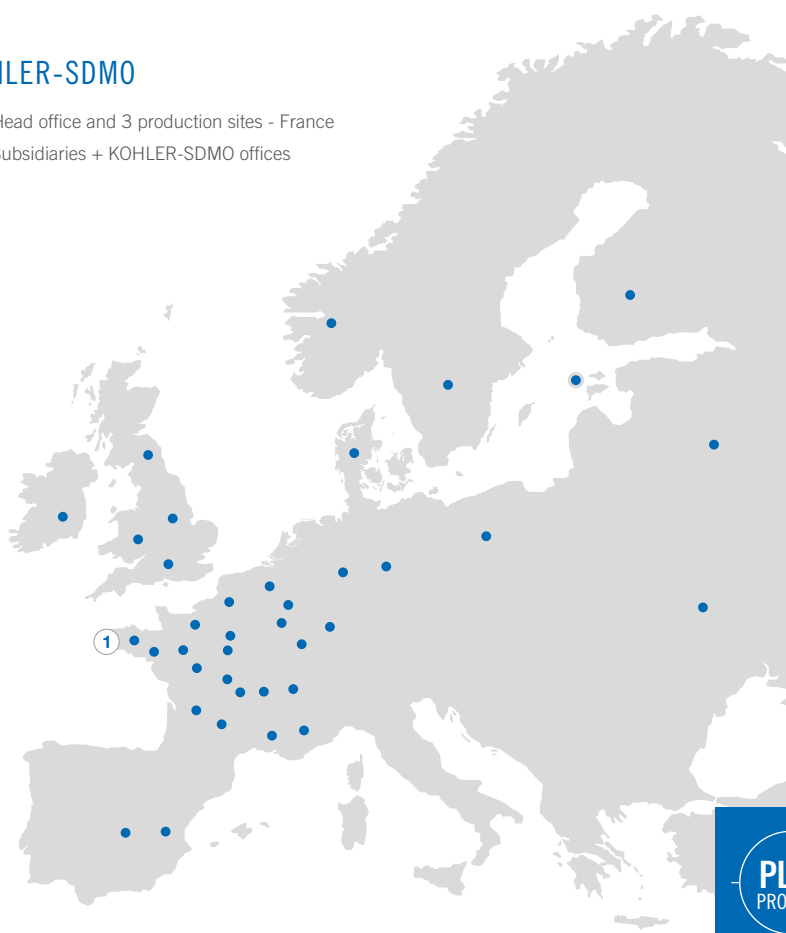
KOHLER-SDMO is on hand to assist you in using and maintaining your Rental Power gensets.

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

These technical partners undergo continuous training in product developments and new technologies. KOHLER-SDMO supports these teams in order to provide tailored responses and services as quickly as possible

KOHLER-SDMO

- ① Head office and 3 production sites - France
- Subsidiaries + KOHLER-SDMO offices



► 2-YEAR* OR 4,000-HOUR WARRANTY

For your safety and peace of mind, KOHLER-SDMO provides a 2-year warranty for all of the generating sets in the Rental Power range between 16 and 700 kVA (EC range only).

*KOHLER-SDMO subsidiaries and offices support our customers outside Europe.

TECHNICAL ASSISTANCE

► THE GUARANTEE OF THE RELIABILITY OF OUR PRODUCTS

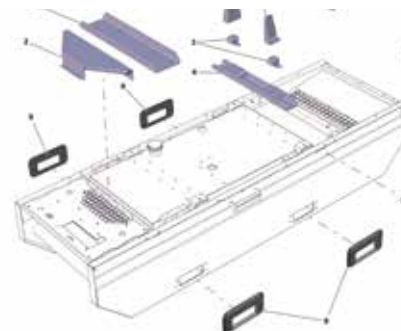
So that you are never without energy, Here and elsewhere, the After-Sales team will quickly respond to any technical question or difficulty encountered with a generating set, from the moment it is installed. The Service centres are in constant contact with KOHLER-SDMO's technicians, enabling them to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



SPARE PARTS

► AN EFFICIENT, WELL-INTEGRATED NETWORKS

While the hub of the spare parts management system is in Brest, KOHLER-SDMO draws on its Service centres 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-SDMO generating sets. In addition, the close partnerships KOHLER-SDMO has formed with its suppliers allow it to offer highly competitive rates on engine and alternator parts.



► TOOL FOR IDENTIFYING SPARE PARTS

KOHLER-SDMO provides its customers with a standalone tool for identifying spare parts specifically for the Rental Power range, which is also available online.



TRAINING

► ENSURING THE BEST POSSIBLE RESPONSE

The KOHLER-SDMO 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 programmes are organised by topic and by level, so that they can be adapted to the skills of each individual.

A DEDICATED WEBSITE ADAPTED TO ALL MEDIA

(COMPUTER, TABLET, SMARTPHONE)

www.sdmo-rentalpower.com

The site has been designed as the main source of information for anyone who wishes to rent or use the KOHLER-SDMO Rental Power range: both those with experience of the range and novices.

It has therefore been made as easy as possible to use. A real rental bible, it provides technical sheets for each generating set, but also videos to help with installation, plans, check lists, simplified user manuals, and information on KOHLER-SDMO.



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 technical sheet for the generating set in question (see above), but also to the safety and demonstration sections.



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

FRANCE SALES OFFICES

WEST

SDMO BREST

+33 (0) 2 98 41 13 48

CENTRAL WEST

SDMO CHOLET

+33 (0) 02 41 75 96 70

PARIS/NORTH NORMANDY

SDMO GENNEVILLIERS

+33 (0) 01 41 88 38 00

SDMO ARRAS

+33 (0) 03 21 73 38 26

EAST

SDMO METZ

+33 (0) 03 87 37 88 50

SOUTH EAST

SDMO VALENCE

+33 (0) 04 75 81 31 00

SDMO AIX-EN-PROVENCE

+33 (0) 04 42 52 51 60

SOUTH WEST

SDMO TOULOUSE

+33 (0) 05 61 24 75 75

SUBSIDIARIES

GERMANY

SDMO GMBH

+49 (0) 63 32 97 15 - 0

BELGIUM

SDMO NV/SA

+32 (0) 36 46 04 15

SPAIN

SDMO INDUSTRIES IBERICA

+34 (9) 35 86 34 00

UK

SDMO ENERGY LTD

+44 (0) 12 56 38 68 38

LATIN AMERICA

& CARIBBEAN

SDMO GENERATING SETS

+1 30 58 63 00 12

RUSSIA

SDMO MOSCOW

+7 495 665 16 98

OFFICES

SOUTH AFRICA

SDMO SOUTH AFRICA

+27 (0) 8 32 33 55 61

ALGERIA

SDMO ALGIERS

+213 (0) 23 47 05 19

DUBAI

SDMO MIDDLE EAST

+971 4 458 70 20

EGYPT

SDMO CAIRO

+20 2 22 69 15 26

TOGO

SDMO WEST AFRICA

+228 22 22 63 65



Tous les produits SDMO Industries
sont certifiés par un
laboratoire accrédité
ISO 17025



KOHLER®
IN POWER. SINCE 1920.



**INDUSTRIAL
RANGEDATA APP.**
Windows Phone | android | iOS



Photo credits: Getty Images, Istock, Fotolia, Guillaume Team.
SDMO is a registered trademark of SDMO Industries. Non-contractual document – In accordance with our product quality improvement policy, SDMO Industries reserves the right to modify, without prior notice, any specifications published in this catalog.

KOHLER®
SDMO®

SDMO Industries - 270 rue de Kerervern
CS 40047 - 29801 Brest Guipavas Cedex 9 - France
Tel. +33 (0) 2 98 41 41 41

www.kohler-sdmo.com