

INDUSTRIAL POWER



Rental Power Range

15 kVA – 700 kVA, 50 Hz

KOHLER.POWER SYSTEMS

CHARTERED POWER SOLUTIONS WHEN YOU NEED IT

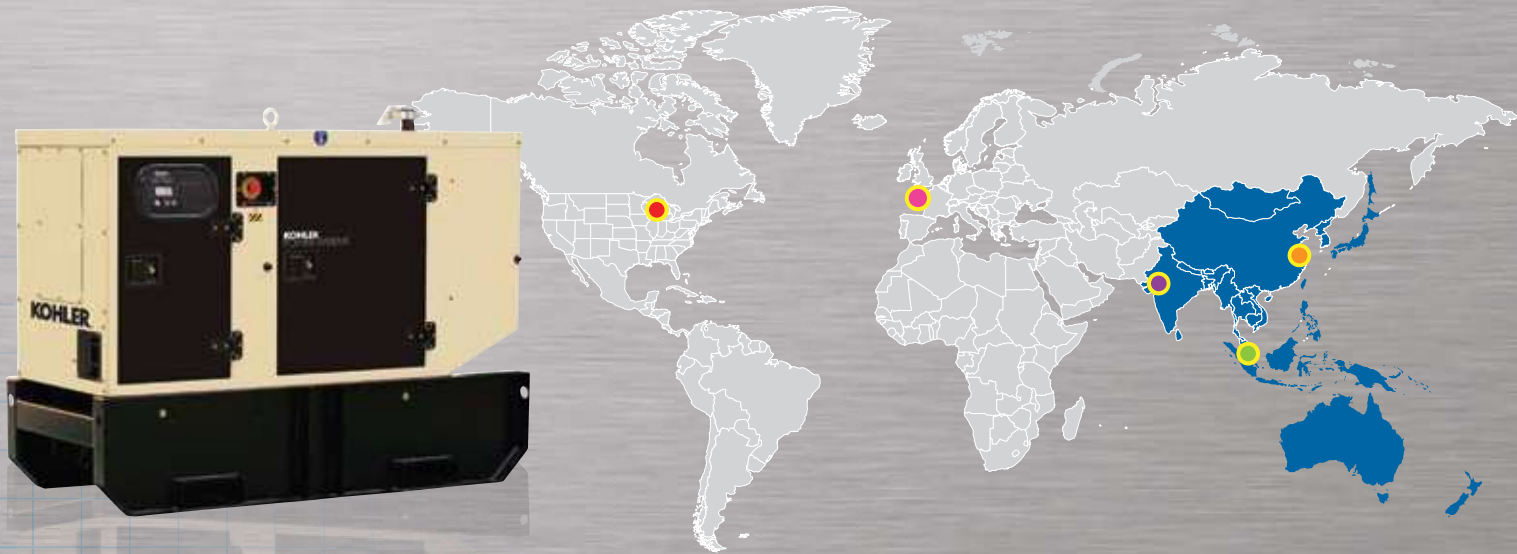
TAKING POWER WHERE IT'S NEEDED

Nearly a century of expertise in pure power generation has enabled Kohler to engineer generators that are proven to withstand the most severe industry conditions.

Our new rental power products are designed to be both reliable and flexible to meet the needs of today's power professionals. They offer a variety of essential features, including compact size, low sound levels, ease of use, dependability and safety. With Kohler, you can expect a comprehensive suite of generators to meet power requirements for any situation.

KOHLER SERVICE QUALITY

As a leader in generator technologies, Kohler provides you with an uncompromised level of support and service. Unlike other generator manufacturers, Kohler-certified distributors and dealers specialize in power. This means our service network can be called on for anything related to your generator and its components. With Kohler, you enjoy world-class service and support from a global service network.



- Kohler Headquarters/Manufacturing – U.S.
- Kohler Manufacturing – Singapore
- Kohler Manufacturing – China
- Kohler Manufacturing – France
- Kohler Manufacturing – India

BENEFITS OF RENTAL POWER RANGE 15-700 kVA

Handling

Maneuverability and compactness were the main selection criteria for the technical teams at each stage of the design process.



Central Lifting Eye with Integrated Ladder



Base Frame with Forklift Grooves

Performance

To meet the requirements of the rental market and the construction and engineering sector, the Rental Power range offers the highest level of performance.



Inter Air Preheating



DEC4000 Control Unit



High Autonomy Double Wall Chassis



Alternator with AREP voltage regulator Nexys or Telys control unit (improves the starting capacities of electric motors)

Safety

The safety of individuals and of the equipment is a priority.



Battery Isolating Switch

Reliability

Each component was designed with a view to optimising speed of installation and ease of maintenance.



Aluminium Hinges



Diesel Separator

Use

Use of Rental Power generating sets has been simplified due to equipment which is wholly suited to the needs of hire activity.



Connection Termination Box



Voltage Adjustment



Analog Engine



Differential Protection

Depending on the models, some of this equipment is available as standard on the Base Rental Power version and as standard on the Full Rental Power version (cf. table on p4-7)

CONFIGURATION OF SOCKET PACKS

Generating sets in the Rental Power range may be equipped with the socket pack option. The configuration of these has been optimised to fulfil the requirements of the different markets. The following tables show you the available configurations for each generating set model.

KR16C

TYPE	INDUSTRIAL SOCKET		DOMESTIC SOCKET	
	400V (3P+P+T)	230V (2P+T)	10/16A NF	10/16A DIN (Schuco)
	32A	16A	1	-
FR	1	1	-	-
EU	1	1	-	1

KR66C2 to KR110C2

TYPE	INDUSTRIAL SOCKET					DOMESTIC SOCKET		
	400V (3P+P+T)			230V (2P+T)		10/16A NF	10/16A DIN (Schuco)	
	125A	63A	32A	16A	32A	16A	1	-
FR	-	-	1	1	-	1	-	-
EU	-	1*	-	1	-	1	-	1
UK	1*	1*	-	-	3	-	-	-

KR22C2 to KR44C2

TYPE	INDUSTRIAL SOCKET					DOMESTIC SOCKET	
	400V (3P+P+T)			230V (2P+T)		10/16A NF	10/16A DIN (Schuco)
	63A	32A	16A	32A	16A	1	-
FR	-	1	1	-	1	-	-
EU	1*	-	1	-	1	-	1
UK	1*	-	-	3	-	-	-

KR135C2 to KR220C2

TYPE	INDUSTRIAL SOCKET					DOMESTIC SOCKET	
	400V (3P+P+T)			230V (2P+T)		10/16A NF	10/16A DIN (Schuco)
	63A	32A	16A	32A	16A	1	-
FR	-	1	1	-	1	-	-
EU	1*	-	1	-	1	-	1
UK	1*	-	1	1	-	-	1

PRODUCT SPECIFICATIONS 15-700 kVA

Full Rental Power Version



M126
Base Rental Power Version



M128
Base Rental Power Version



M129
Base Rental Power Version



M226F
Full Rental Power Version



M229F
Full Rental Power Version



M230
Full Rental Power Version

PART NO.	KR16C	KR22C2	KR33C2
GENERATING SET			
PRP (1) in kVA (400V)	15	20	30
Prime Power cos phi=0.8 (kW) 400V	12	16	24
ESP (2) in kVA	16	22	33
Emergency Power (kW cos phi=0.8)	13	18	26
Sound Level (dBA) @ 1 meter	71	72	74
Sound Level (dBA) @ 7 meters	61	62	64
Sound Level in Lwa	87	87	91
ALTERNATOR			
Make	Leroy Somer	Leroy Somer	Leroy Somer
Model	LSA422S4	LSA422S5	LSA422L9
ENGINE / 1500 RPM			
Make	Mitsubishi	Mitsubishi	Mitsubishi
Model	S4L2-61SD	S4Q2-Z261SD	S4S-Z263SD
Prime Output (kW)	13.7	19.6	27.3
Number of Cylinders	4	4	4
Auxiliary Voltage	12	12	12
Cubic Capacity	1.75	2.5	3.33
Bore	78	88	94
Stroke	92	103	120
Fuel / Cooling	Diesel / Water	Diesel / Water	Diesel / Water
FUEL			
Capacity of Standard Tank in L	50	100	100
Capacity of High Autonomy Tank in L	93	230	230
AUTONOMY WITH STANDARD FUEL TANK (IN HOURS)			
at 100% Load	11.4	15.6	11.4
at 75% Load	14.7	20.8	15.2
at 50% Load	19.2	29.4	20.8
AUTONOMY WITH LARGE AUTONOMY FUEL TANK (IN HOURS)			
at 100% Load	20.9	32.3	23.5
at 75% Load	24.6	43.1	31.4
at 50% Load	32.2	60.9	43.1
DIMENSIONS WITH STANDARD CHASSIS			
	M126	M127	
Overall Length (in mm)	1750	2080	2080
Overall Width (in mm)	715	960	960
Overall Height (in mm)	1230	1415	1415
Weight in Running Order (in kg)	664	950	1010
Off Load Weight (in kg)	610	835	910
DIMENSIONS WITH DOUBLE WALL CHASSIS			
	M126	M127	
Overall Length (in mm)	1797	2160	2160
Overall Width (in mm)	775	966	966
Overall Height (in mm)	1391	1582	1582
Weight in Running Order (in kg)	762	1191	1320
Off Load Weight (in kg)	672	961	1100

(1) PRP: Main power available continuously under variable load for an unlimited number of hours annually, in accordance with the applicable standards.

(2) ESP: Emergency Standby Power available for supplying emergency power in variable load applications in accordance with the applicable standards.

KR44C2	KR66C2	KR90C2	KR110C2	KR135C2	KR165C2	KR220C2	KR275C2	KR350C2	KR450C2	KR550C2	KR630C2	KR700C2
40	60	80	100	120	150	200	250	315	400	500	573	636
32	48	64	80	96	120	160	200	252	320	400	458	560
42	66	88	110	132	165	220	275	350	440	550	630	700
34	53	70	88	106	132	176	220	280	352	440	504	504
73	73	77	77	77	77	78	78	77	80	78	81	85
63	63	67	67	67	67	68	68	67	70	68	71	75
92	93	94	95	93	95	96	97	97	96	97	100	105
Leroy Somer	Leroy Somer	Leroy Somer	Leroy Somer	Leroy Somer	Leroy Somer	Leroy Somer	Leroy Somer	Leroy Somer	Leroy Somer	Leroy Somer	Leroy Somer	Leroy Somer
LSA432S15	LSA432M45	LSA432L8	LSA442VS45	LSA442S7	LSA442M95	LSA462M5	LSA462L6	LSA462VL12	LSA472VS3	LSA472M7	LSA472L9	LSA491S4
Mitsubishi	John Deere	John Deere	John Deere	John Deere	John Deere	Volvo	Volvo	Volvo	Volvo	Volvo	Volvo	Volvo
S4S-Z2DT&2SD	4045TFS70	4045HFS72	4045HFS73	6068HFS72	6068HFS73	TAD733GE	TAD734GE	TAD941GE	TAD1242GE	TAD1641GE	TAD1642GE	TWD1643GE
36	53	72.5	91.5	109	136	179	220	280	352	430	485	536
4	4	4	4	6	6	6	6	6	6	6	6	6
12	12	12	12	12	12	12	24	24	24	24	24	24
3,33	4,48	4,48	4,48	6,72	6,72	7,15	7,15	9,36	12,1	16,1	16,1	16,1
94	106	106	106	106	106	108	108	120	131	144	144	144
120	127	127	127	127	127	130	130	138	150	165	165	165
Diesel / Water	Diesel / Water	Diesel / Water	Diesel / Water	Diesel / Water	Diesel / Water	Diesel / Water	Diesel / Water	Diesel / Water	Diesel / Water	Diesel / Water	Diesel / Water	Diesel / Water
100	180	190	190	340	340	340	390	470	470	500	610	610
230	390	505	505	868	868	868	950	1368	1368	1770	1950	1950
9,8	12,2	9,8	8,0	12,3	10,2	8,0	7,3	6,9	5,8	4,9	5,3	4,3
13,0	16,0	12,9	10,6	16,0	13,4	10,7	9,2	9,3	7,9	6,6	7,2	6,5
18,9	24,3	19,1	15,3	23,8	19,3	16,0	12,8	13,4	11,6	9,8	10,7	8,7
20,3	23,8	22,5	18,1	26,0	20,9	18,3	16,0	17,2	15,1	15,6	15,1	13,7
26,9	31,2	29,4	23,7	34,1	27,4	24,7	20,1	23,6	20,7	21,1	20,6	20,6
39,1	47,4	44,7	36,0	51,9	41,7	36,6	28,1	31,7	30,4	31,2	30,7	27,8
	M128	M129		M226			M227	M228		M229	M230	
2080	2300	2554	2554	3508	3508	3508	4004	4475	4475	5031	5031	5031
960	1080	1170	1170	1200	1200	1200	1380	1410	1560	1560	1690	1690
1415	1680	1680	1680	1830	1830	1830	2125	2430	2430	2435	2662	2662
1040	1670	1890	1955	2525	2580	2740	3590	4300	4840	5410	5940	6090
930	1470	1700	1765	2175	2230	2390	3200	3830	4360	4870	5300	5410
	M128	M129		M226			M227	M228		M229	M230	
2160	2344	2602	2602	3560	3560	3560	4056	4527	4527	5083	5083	5083
966	1080	1170	1170	1200	1200	1200	1380	1410	1410	1560	1690	1690
1582	1900	1900	1900	2182	2182	2182	2437	2780	2780	2780	2922	2922
1350	2090	2500	2560	3501	3560	3750	4520	5887	6236	7290	7930	7980
1120	1700	1990	2050	2618	2680	2920	3650	4519	4868	5650	5850	6140

in accordance with ISO 8528-1, an overload of 10% one hour every 12 hours is available in accordance with ISO 3046-1

in accordance with ISO 8528-1, no overload available for this service.

BASE VERSION AND OPTIONS 15-700 kVA



M228
Full Rental Power Version

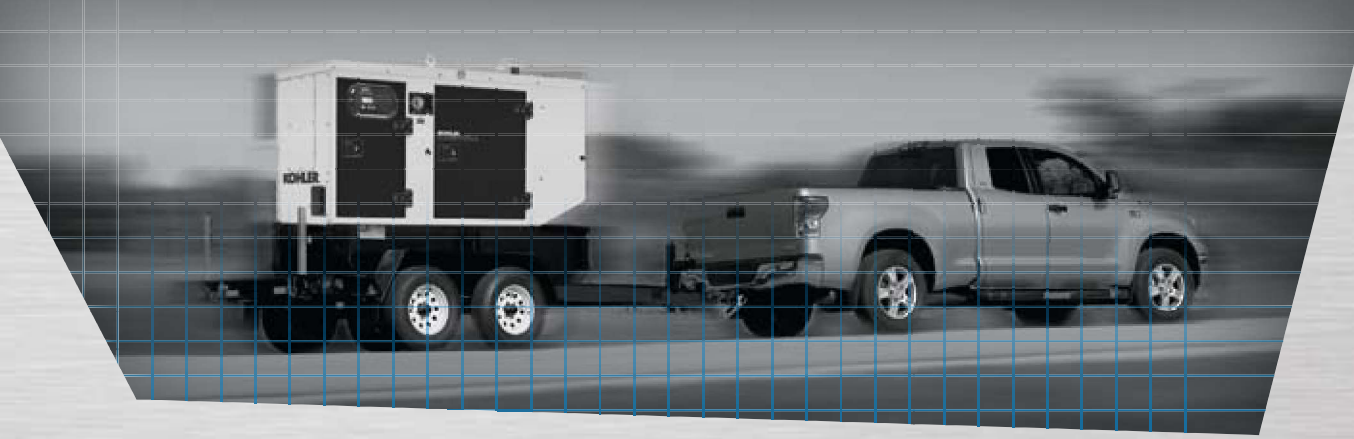


M229
Full Rental Power Version

PART NO.		KR16C	KR22C2	KR33C2	KR44C2	
H100 Base Rental Power BRP	Engine	S4L2-61SD	S4Q2-Z261SD	S4S-Z263SD	S4S-Z2DT62SD	
	Control Unit	DEC1000	DEC1000	DEC1000	DEC1000	
	Analog Engine	■	■	■	■	
	Enclosure	M126	M127	M127	M127	
	Connection Termination Box	■	■	■	■	
	Connection Termination Box "Rental Type"	X	X	X	X	
	Four-Pole Breaker	■	■	■	■	
	Central Lifting Ring	■	■	■		
	2 Point Lifting Ring with Integrated Ladder	X	X	X	X	
	H120 FULL RENTAL POWER FRP					
	HI01	Double Wall Chassis and Large Autonomy	○	○	○	○
HI03	Central Lifting Eye	X	X	X	X	
HI04	Intet Air Preheating	■	■	■	■	
HI05	Connection Termination Box "Rental Type"	X	○	○	○	
HI06	Primary Filter	○	○	○	○	
HI07	Voltage Adjustment	○	○	○	○	
HI08	Earthing Rod Fixed Differential	○	○	○	○	
HI09	Adjustable Differential Protection and Earthing Rod	X	X	X	X	
HI10	Battery Isolating Switch	○	○	○	○	
HI11	Drainage Pump	○	○	○	○	

OTHER OPTIONS

PART NO.		KR16C	KR22C2	KR33C2	KR44C2	KR66C2	KR90C2	KR110C2
HI09	Adjustable Differential Protection and Earthing Rod	○	○	○	○	○	X	X
HI21	DEC4000 Central Console	○	○	○	○	○	○	○
HI22	Tt Neutral Connection EDF France	○	○	○	○	○	○	○
HI23	Protective Grille wor Hot Parts	2	○	○	○	○	○	○
HI24	3 Track Valves	3	○	○	○	○	○	○
HI25	Electronic Control Device with Speed Potentiometer	X	○	○	○	○	■	■
HI26	Heavy Duty Air Filter with Interchangeable Cartridge	○	○	○	○	○	○	○
HI27	Automatic Pack (1)	○	○	○	○	○	○	○
HI29	Customised Colours	○	○	○	○	○	○	○
HI30	Road Trailer	○	○	○	○	○	○	○
HI31	Road Trailer for Double Wall Chassis	4	○	○	○	○	○	○
HI33	Shut-Off Valve and Spark Arrester	○	○	○	○	○	○	○
HI34	Reinforced Insulation (T26S002)	○	○	○	○	○	○	○
HI35	European Sockets	1	○	○	○	○	○	○
HI36	French Sockets	○	○	○	○	○	○	○
HI37	Uk Sockets	○	○	○	○	○	○	○
HI38	Dual Frequency (Required HI21 And HI25)	X	○	○	○	○	X	X
HI46	Under Base Frame Galvanised with Forkift Grooves	X	X	X	X	X	X	X



KR66C2	KR90C2	KR110C2	KR135C2	KR165C2	KR220C2	KR275C2	KR350C2	KR450C2	KR550C2	KR630C2	KR700C2
4045TFS70	4045HFS72	4045HFS73	6068HFS72	6068HFS73	TAD733GE	TAD734GE	TAD941GE	TAD1242GE	TAD1641GE	TAD1642GE	TWD1643GE
DEC1000	DEC1000	DEC1000	DEC1000	DEC1000	DEC1000	DEC4000	DEC4000	DEC4000	DEC4000	DEC4000	DEC4000
■	■	■	■	■	■	■	■	■	■	■	■
M128	M129	M129	M226	M226	M226	M227	M228	M228	M229	M230	M230
■	■	■	X	X	X	X	X	X	X	X	X
X	X	X	■	■	■	■	■	■	■	■	■
■	■	■	■	■	■	■	■	■	■	■	■
			■	■	■	X	X	X	X	X	X
X	X	X	■	■	■	■	■	■	■	■	■

O	O	O	O	O	O	O	O	O	O	O	O
X	X	X	X	X	X	O	O	O	O	O	O
O	O	O	O	O	O	O	O	O	O	O	O
O	O	O	O	■	■	■	■	■	■	■	■
O	O	O	O	O	O	■	■	■	■	■	■
O	O	O	O	O	O	O	O	O	O	O	O
O	X	X	X	X	X	X	X	X	X	X	X
X	O	O	O	O	O	O	O	O	O	O	O
O	O	O	O	O	O	O	O	O	O	O	O
O	O	O	O	O	O	■	■	■	■	■	■

x Not available O Option ■ Standard (1) Preheating + Battery charger

KR135C2	KR165C2	KR220C2	KR275C2	KR350C2	KR450C2	KR550C2	KR630C2	KR700C2
X	X	X	X	X	X	X	X	X
O	O	O	■	■	■	■	■	■
O	O	O	O	O	O	O	O	O
O	O	O	O	O	O	O	O	O
O	O	O	O	O	O	O	O	O
■	■	■	■	■	■	■	■	■
O	O	O	O	O	O	O	O	O
O	O	O	O	O	O	O	O	O
O	O	O	O	O	O	O	O	O
O	O	O	X	X	X	X	X	X
X	X	X	X	X	X	X	X	X
O	O	O	O	O	O	O	O	O
O	O	O	O	O	O	O	O	O
O	O	O	X	X	X	X	X	X
O	O	O	X	X	X	X	X	X
O	O	O	X	X	X	X	X	X
X	X	O	O	O	O	O	O	O
X	X	X	O	O	O	O	X	X

Base Rental Power (BRP)

■ Rental generating set without options.

Full Rental Power (FRP)

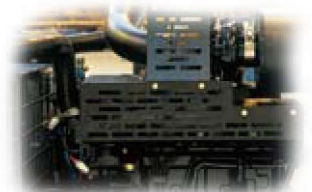
■ Base Rental Power version plus as options pack which is frequently used for equipment rental.

So, **FRP = BRP + special options**
For each of these versions, it is possible to add options to the unit.

The Rental Power range from 15 to 700 kVA provides two versions for each generating set Kohler offers:



1. Socket Pack



2. Protective Grille for Hot Parts



3. Track Valves



4. Road Trailer for Double Wall Chassis

Regional Offices

S.E. Asia, Taiwan, Hong Kong & Bangladesh

Kohler Power Systems
(Regional HQ)
7 Jurong Pier Road
Singapore 619159
Tel: +65 6264 6422
Fax: +65 6264 6455
Email: sales.sg@kohler.com

Australasia

Kohler Power Systems
C/O P O Box 324, Highgate
South Australia 5063
Tel: +61 439 338 166
Fax: +61 8 8338 6424
Email: bob.morgan@kohler.com

North Asia

Kohler Power Systems
SBS Hills-II, No. 53
4-10-3, Yoga, Setagaya-Ku
Tokyo 158-0097
Japan
Tel: +81 3 6807 1730
Fax: +81 3 3708 4377
Email: kawasaki@kohler.co.jp

Kohler Power Systems
Room 1201 Lg Twintel 2
157-3 Samsung-Dong
Gangnam-Gu
Seoul 135-090
Korea
Tel: +82 2 563 9266
Fax: +82 2 563 9730
Email: chanusohn@kohler.com

SPEC YOUR JOB AT KOHLERPOWER.COM.SG

For more information call +65 6264 6422
or visit KohlerPower.com.sg/Industrial



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