



Rental Power

PRODUCT LINE

Trailer Mounted

20kW to 180kW

Kohler Rental Power units are designed with the customer in mind, and with Kohler's [handy kW/kVA amperage chart](#) pages 3-4, we can immediately help you size the correct Kohler Rental Power Unit for your requirements.

Each unit offers these conveniences:

- Standard electronic governing system translates to precise voltage regulation.
- Interchangeable ball hitch or pintle ring/lunette eye towing configurations offer flexibility when transporting.
- Surge or electric braking systems ensure a safe towing package.

Features:

- 20, 50, 100 and 180 kW configurations.
- Premium sound attenuated aluminum housings.
- Single/three phase control panels with voltage selector switches.
- Internal/external fuel tank capability with low fuel shutdown.
- Environmentally approved for emission.

Self Contained

300kW to 2000kW

Kohler's complete offering of self-contained units includes eight models from 300 to 2000 kW. These rental generator packages are installed within ISO containers and include:

- Generator Set
- Internal Fuel Tank
- Battery Charger
- Exhaust and Silencer System
- Premium Sound Attenuation

All Kohler rental units are capable of accepting external fuel hook-ups for long term operation. Cold starting packages with engine block heaters are standard on all units.



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Dual Pack Multi-generator Units

180, 300 and 400kW

When your requirements demand seamless uninterrupted electrical power, Kohler's line-up of Dual Pack rental units fits the bill.

These sophisticated power systems combine two generators in parallel, providing primary and standby power for critical situations.

Installed as primary power for TV broadcasting at the 1998 U.S. Woman's Open golf championship, the Kohler Rental Power Dual Pack system performed flawlessly.



Industrial/Mobile Trailer-Mounted Generator Sets

Kohler Co. provides one-source responsibility for the generating system and accessories.

Generator set features:

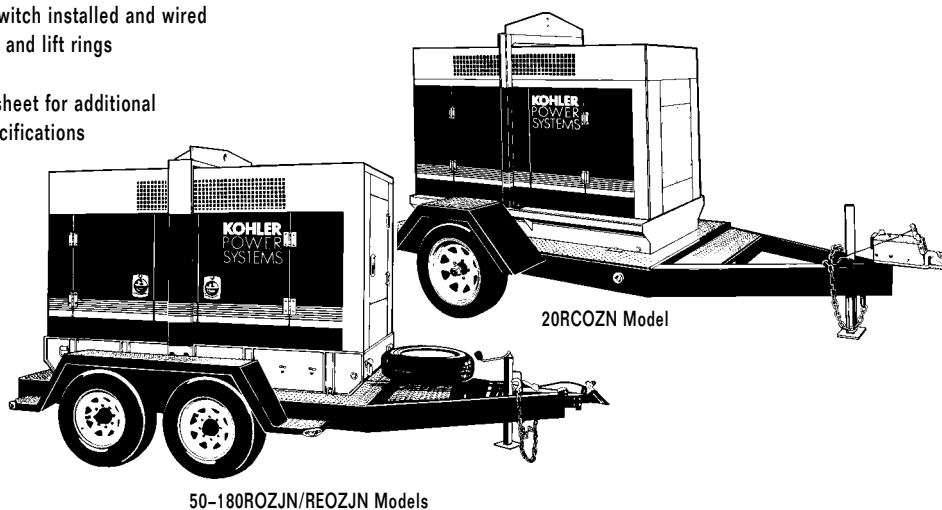
- Durable aluminum sound attenuated (20–180 kW) or aluminum enclosure (300 kW)
- Electrical power panel with single-phase receptacles (20–180 kW) and line circuit breaker
- Internal/external fuel tanks with low fuel shutdown
- Lockable generator output 3-position selector switch installed and wired
- Single-point lifting eye and eight-point tie down and lift rings (50–180 kW)
- See the respective generator set model's spec sheet for additional information regarding engine and generator specifications

Engine features:

- Battery, battery rack, and battery cables
- Battery charger (50–300 kW)
- Electronic governor
- Engine block heater (50–300 kW)
- Exhaust silencer with flex exhaust connector

Trailer features:

- Fire extinguisher and work lights with timer
- Interchangeable 2⁵/₁₆ in. ball hitch or pintle ring/Lunette eye configuration (50–180 kW)
- Leveling jack, 10,000 lb. (4536 kg) rated (20–180 kW)
- Lockable sound attenuated doors and tool box (20–180 kW)
- Running lights with wiring harness/connector (20–180 kW) or DOT 7-way socket (300 kW)
- Spare tire and lug nut wrench (50–300 kW)
- Surge or electric brake system



Trailer-Mounted Generator Set Specifications

Generator Model	Length* in. (mm)	Width** in. (mm)	Height*** in. (mm)	Gross Weight+ lbs. (kg)	Generator Set and Enclosure Weight lbs. (kg)	Fuel Tank(s) Internal/External U.S. gals. (L)
20RCOZN	145.00 (3683)	74.00 (1880)	81.75 (2076)	2320 (1052)	1640 (744)	25 (95)
50ROZJN	186.00 (4724)	95.00 (2413)	99.00 (2515)	6180 (2803)	4880 (2214)	48 (182)/155 (587)
100REOZJN	206.25 (5239)	95.00 (2413)	121.00 (3073)	7460 (3384)	6100 (2767)	68 (257)/155 (587)
180ROZJN	206.25 (5239)	95.00 (2413)	121.00 (3073)	9600 (4355)	8150 (3697)	68 (257)/155 (587)
300REOZDN	288.00 (7315)	102.00 (2591)	156.00 (3962)	N/A	N/A	550 (2082)

*Length includes trailer tongue **Width includes trailer fenders ***Includes generator set weather housing. N/A Not Available
+Gross weight includes trailer, generator set, weather housing (20–180 kW), and fuel tank(s) with no fuel.

Generator Set Specifications

Generator Set Model	Standby Rating						Fuel Consumption gph (Lph)		Sound Level 100% Load dBA at 21 ft. (7 m)
	240 Volt, Amps	1PH kW/kVA	208 Volt, Amps	3PH kW/kVA	480 Volt, Amps	3PH kW/kVA	50% Load	100% Load	
20RCOZN	68.8	16.5/16.5	69.4	20.0/25.0	30.1	20.0/25.0	0.91 (3.4)	1.67 (6.3)	58
50ROZJN	204	49/49	191	55/69	83	55/69	2.3 (8.7)	4.3 (16.3)	60
100REOZJN	333	80/80	347	100/125	158	105/131	4.4 (16.7)	7.9 (29.9)	62
180ROZJN	542	130/130	625	180/225	271	180/225	7.0 (26.5)	13.7 (51.9)	64
300REOZDN	N/A	N/A	1041	300/375	451	300/375	11.9 (45.0)	21.9 (83.0)	72

Other voltages are available using selector switch and voltage adjustment potentiometer/switch. See available voltage choices below.
NOTE: See the respective spec sheets for specifications not shown.

Electrical Power Panel Specifications

Generator Model	120 Volt Duplex Receptacles* Qty. - Amp	240 Volt Twistlock** Qty. - Amp	Load Lug Connections	Load Lug Circuit Breakers - Amp	Reverse Receptacles for Battery Charger and Block Heater	Remote Start Capability	Available Selector Switch Voltages
20RCOZN	2 (20)	1 (30)	#14–2/0	70 (208–240 Volt) 30 (480 Volt)	Not Available	Yes	120/208 3PH 120/240 3PH
50ROZJN	4 (20)	1 (30)	(2) #6–4/0	200 (208–240 Volt) 80 (480 Volt)	Yes	Yes	127/220 3PH 277/480 3PH
100REOZJN	4 (20)	1 (30)	(2) #6–350 MCM	350 (208–240 Volt) 1500 (480 Volt)	Yes	Yes	240/416 3PH 220/380 3PH
180ROZJN	4 (20)	1 (30)	(2) #6–350 MCM	600 (208–240 Volt) 300 (480 Volt)	Yes	Yes	120/240 1PH 115/230 1PH
300REOZDN	Not Available	Not Available	(2) #4–500 MCM	1000 (208–240 Volt) 500 (480 Volt)	Yes	Yes	All voltages above except 1PH

Useful Electrical Formulas

TO OBTAIN:	SINGLE PHASE*	THREE PHASE*
Kilowatts	$\frac{V \times I \times pf}{1000}$	$\frac{1.732 \times V \times I \times pf}{1000}$
kV-A	$\frac{V \times I}{1000}$	$\frac{1.732 \times V \times I}{1000}$
Horsepower required when generator kW unknown (if generator efficiency is unknown, use 0.93)	$\frac{kW}{0.746 \times \text{Efficiency (Generator)}}$	$\frac{kW}{0.746 \times \text{Efficiency (Generator)}}$
kW input when motor hp known (if motor efficiency unknown, use 0.85 x hp)	$\frac{hp \times 0.746}{\text{Efficiency (Motor)}}$	$\frac{hp \times 0.746}{\text{Efficiency (Motor)}}$
Amperes when motor hp known	$\frac{hp \times 0.746}{V \times pf \times \text{Efficiency}}$	$\frac{hp \times 0.746}{1.732 \times V \times pf \times \text{Efficiency}}$
Amperes when kW known	$\frac{kW \times 1000}{V \times pf}$	$\frac{kW \times 1000}{1.732 \times V \times pf}$
Amperes when kV-A known	$\frac{kV-A \times 1000}{V}$	$\frac{kV-A \times 1000}{1.732 \times V}$

*Alternating Current

HV-A/kW Amperage Chart (80% Power Factor)

kV-A	kW	208V	220V	240V	380V	400V	440V	450V	480V	600V	2400V	3300V	4160V
6.3	5.	17.5	16.5	15.2	9.6	9.1	8.3	8.1	7.6	6.1			
9.4	7.5	26.1	24.7	22.6	14.3	13.6	12.3	12.	11.3	9.1			
12.5	10.	34.7	33.	30.1	19.2	18.2	16.6	16.2	15.1	12.			
18.7	15.	52.	49.5	45.	28.8	27.3	24.9	24.4	22.5	18.	6.	4.4	3.5
25.	20.	69.5	66.	60.2	38.4	36.4	33.2	32.4	30.1	24.	7.5	5.5	4.4
31.3	25.	87.	82.5	75.5	48.	45.5	41.5	40.5	37.8	30.	9.1	6.6	5.2
37.5	30.	104.	99.	90.3	57.6	54.6	49.8	48.7	45.2	36.	12.1	8.8	7.
50.	40.	139.	132.	120.	77.	73.	66.5	65.	60.	48.	15.1	10.9	8.7
62.5	50.	173.	165.	152.	96.	91.	83.	81.	76.	61.	18.1	13.1	10.5
75.	60.	208.	198.	181.	115.	109.	99.6	97.5	91.	72.	22.6	16.4	13.
93.8	75.	261.	247.	226.	143.	136.	123.	120.	113.	90.	24.1	17.6	13.9
100.	80.	278.	264.	240.	154.	146.	133.	130.	120.	96.	30.	21.8	17.5
125.	100.	347.	330.	301.	192.	182.	166.	162.	150.	120.	38.	27.3	22.
156.	125.	433.	413.	375.	240.	228.	208.	204.	188.	150.	45.	33.	26.
187.	150.	520.	495.	450.	288.	273.	249.	244.	225.	180.	53.	38.	31.
219.	175.	608.	577.	527.	335.	318.	289.	283.	264.	211.	60.	44.	35.
250.	200.	694.	660.	601.	384.	364.	332.	324.	301.	241.	75.	55.	43.
312.	250.	866.	825.	751.	480.	455.	415.	405.	376.	300.	90.	66.	52.
375.	300.	1040.	990.	903.	576.	546.	498.	487.	451.	361.	105.	77.	61.
438.	350.	1220.	1155.	1053.	672.	637.	581.	568.	527.	422.	120.	88.	69.
500.	400.	1390.	1320.	1203.	770.	730.	665.	650.	602.	481.	150.	109.	87.
625.	500.	1735.	1650.	1504.	960.	910.	830.	810.	752.	602.	180.	131.	104.
750.	600.	2080.	1980.	1803.	1150.	1090.	996.	975.	902.	721.	210.	153.	121.
875.	700.	2430.	2310.	2104.	1344.	1274.	1162.	1136.	1052.	842.	241.	176.	139.
1000.	800.	2780.	2640.	2405.	1540.	1460.	1330.	1300.	1203.	962.	271.	197.	156.
1125.	900.	3120.	2970.	2709.	1730.	1640.	1495.	1460.	1354.	1082.	301.	218.	174.
1250.	1000.	3470.	3300.	3009.	1920.	1820.	1660.	1620.	1504.	1202.	376.	273.	218.
1563.	1250.	4350.	4130.	3765.	2400.	2280.	2080.	2040.	1885.	1503.	452.	327.	261.
1875.	1500.	5205.	4950.	4520.	2880.	2730.	2490.	2440.	2260.	1805.	528.	380.	304.
2188.	1750.			5280.	3350.	3180.	2890.	2830.	2640.	2106.	602.	436.	348.
2500.	2000.			6020.	3840.	3640.	3320.	3240.	3015.	2405.	678.	491.	392.
2812.	2250.			6780.	4320.	4095.	3735.	3645.	3400.	2710.	752.	546.	435.
3725.	2500.			7520.	4800.	4560.	4160.	4080.	3765.	3005.	904.	654.	522.
3750.	3000.			9040.	5760.	5460.	4980.	4880.	4525.	3610.	1055.	760.	610.
4375.	3500.			10550.	6700.	6360.	5780.	5660.	5285.	4220.	1204.	872.	695.
5000.	4000.			12040.	7680.	7280.	6640.	6480.	6035.	4810.			



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