

## GeneratorJoe Ranger Series vs Kubota GL7000

Highlights in yellow and RED text show major differences between models.

Model	Unit	GL7000	Unit	Ranger 9 and Ranger Plus
Type	Rotating field single-phase AC generator		Rotating field single or 3 phase, AC generator	
Frequency	Hz	60	Hz	60, 50 Hz Optional
Standby Output	kVA (kW)	7.0 (7.0)	kVA (kW)	11.2 (9.0)
Prime Output	kVA (kW)	6.5 (6.5)	kVA (kW)	10.1 (8.1)
Voltage - Single Phase	V	110/220	V	120/240
Armature Connection	-	series	-	series
Phase / Wire	-	1/4	-	1/4
Power Factor	-	1	-	1
No. of Poles	-	2	-	2
Insulation	Rotor coil; class F, Stator coil; class B		Rotor coil; class F, Stator coil; class B	
Type of Coupling	Direct coupled		Direct coupled	
<b>AMPS</b>				
Single Phase 120V	A	<b>59.1 (110VAC)</b>	A	<b>Cumulative 76A or Two(2) 38A feeder lines</b>
Single Phase 240V	A	<b>29.5 (220VAC)</b>	A	<b>38A</b>
<b>RECEPTACLES</b>				
5-20RA (GFCI)	20	1	40	2
5-15R (GFCI) USB-Tel	0	0	15	1
L5-30R	30	1	30	1
L6-30R	30	1	30	1
L14-30R	30	1	30	1
Terminals** See notes	receptacles or terminals, 1 only		receptacles or terminals or both	
<b>3 phase voltages</b>	<b>No</b>		<b>Yes, Optional</b>	
<b>DIESEL ENGINE</b>	Vertical, liquid-cooled, 4-cycle diesel		Vertical, liquid-cooled, 4-cycle diesel engine	
Model	Kubota	Z482	GeneratorJoe	2R550NA
No. of Cylinders	-	2	-	2
Bore x Stroke	mm (in.)	67.0 x 68.0 (2.6 x 2.7)	mm (in.)	86 x 94 (3.4 x 3.7)
Displacement	L (cu. in.)	0.479 (29.2)	L (cc)	1.092 (1092)
Engine Speed	rpm	3600	rpm	<b>1800</b>
Emissions	Tier	2	Tier	<b>IV</b>
Combustion System		Indirect Injection		<b>Direct Injection</b>
Aspiration		Naturally Aspirated		Naturally Aspirated
Continuous Rated Output	HP (kW)	10.9 (8.1)	HP (kW)	15.7 (11.5)
Lubricant	API Class	Above CD grade	API Class	SAE15W40, CI4
Oil Capacity	L (Qts.)	2.2 (2.3)	L (Qts.)	3.3 (3.5)
Coolant Capacity	L (Qts.)	3.7 (3.98)	L (Qts.)	3.7 (3.98)
Starting System	Electric	12 volt DC	Electric	12 volt DC
Fuel	(ASTM D975)	Diesel fuel No.2	(ASTM D975)	Diesel fuel No.2
Fuel Tank Capacity	L (gal.)	28.0 (7.4)	L (gal.)	56.8 (15), tank optional
<b>Fuel Consumption</b>				
at Full Load	L/h (gal./h)	2.6 (0.69)	L/h (gal./h)	4.1 (1.09)
at 3/4 Load	L/h (gal./h)	2.1 (0.55)	L/h (gal./h)	3.2 (0.84)
at 1/2 Load	L/h (gal./h)	1.7 (0.45)	L/h (gal./h)	2.3 (0.61)
at 1/4 Load	L/h (gal./h)	1.4 (0.38)	L/h (gal./h)	1.2 (0.31)
<b>Operation Hours</b>				
at Full Load	Hours	10	Hours	13.9
at 3/4 Load	Hours	13.3	Hours	17.9
at 1/2 Load	Hours	16.5	Hours	24.4
at 1/4 Load	Hours	20	Hours	48.8

<b>Dimensions L x W x H</b>	mm (in.)	1066 x 618 x 698 (42.0 x 24.3 x 27.5)	mm (in.)	1226.8 x 660.4 x 962.9 (48.3 x 26.2 x 37.9)
Approx. Net Weight	kg (lbs.)	235 (518)	lbs.	Open 466, Enclosed 532
Sound Level (Full Load at 23 ft. or 7 meters)	dB (A)	66	dB(A)	62
<b>AutoStart</b>	optional, extra cost		standard, plus transfer & clock start available	
Emergency Stop System	In case of abnormal: oil pressure, water, temperature, or when the access terminal cover is opened (terminal type units only)		In case of abnormal: oil pressure, water, temperature, plus front panel EMG mushroom & key off stops engine. Terminals are protected from touch.	
Battery charger	No		Yes	
Charging alternator	Yes		Yes	
phone charger rect	No		Yes	
front/back access	No		Yes	
fork liftable	Yes		Yes	
lifting eye	Yes		Yes	
casters	No		Optional	
bottom & end air intake	No		Yes	
flexible exhaust outlet	No		Yes	
transfer switch	No		Optional	
digital control panel	No, analog only		Yes, Digital, with AutoStart	
real time clock and relay	No		Optional	
dual form c relay	No		Optional	
key lock	Yes		Yes	
generator output terminal	User must select either receptacles or terminals, not both. No transfer switch load connection terminals available.		Output terminals standard, transfer switch load connection terminals AND receptacles optional. All available on one unit.	
load connection terminal				
receptacles				
hour meter	Yes		Yes, digital	
main breaker	Yes		Yes	
cooling fill access	No		Yes	
external fuel connection	No		Yes	
external ground lugs	Yes (1)		Yes (3 external) + 1 interior	
fuel input check Valve	No		Yes	
external oil drain	No		Yes	
removal doors front/rear	No		Yes	
removable enclosure	Yes, (difficult)		Yes, (very simple)	
outlet circuit breakers	Yes		Yes	
cabinet color	Orange		Armed Forces Purple (Honor Color)	
warranty	1 year		2 years 3000 hours	
enclosure material	Steel		Aluminum, with industrial powder coat finish.	
50 or 60 Hz	60 Hz only		60 Hz standard, 50 Hz optional	
Price MSRP	\$8,550, Retail		\$9,500 Retail, difference +950	
	** Select terminals or receptacles NOT both Factory order only at extra charge. No change thereafter.		**Ranger has terminals only, Ranger Plus has terminals & receptacles BOTH. Receptacle panel can be added after purchase.	

# GeneratorJoe®



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