

KUBOTA DIESEL ENGINE GENERATORS

LOWBOY II GL7000/GL11000



An Improved, New Generation of LOWBOY

Kubota started from its standard 2-pole diesel generator, GL6500S and enhanced it. The new package, kept the compact size, low body design and low noise levels, and added high density vertical diesel engines that have passed the USA EPA Emission Control Tier 2 Regulation.



- The new models use vertical diesel engines, yet they are nearly the same height as the current model which uses a horizontal diesel engine.

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LOWBOY II

GL7000/GL11000

Specification of GL7000/GL11000 (Planning)

⊙	Superior to GL6500S
—	Equal between GL6500S and new model
×	Inferior to GL6500S

Model	GL6500S	Compared to GL6500S	GL7000	Compared to GL6500S	GL11000
Market	USA		USA		USA
Frequency	Hz 60		60		60
Prime output (COP)	kW (kVA) 6.0 (6.0)	⊙	6.5 (6.5)	⊙	10.0 (10.0)
Stand-by output	kW (kVA) 6.5 (6.5)	⊙	7.0 (7.0)	⊙	11.0 (11.0)
Voltage(single)	V 120/240		120/240		120/240
AMPS	A 50/25		54.2/27.1		83.3/41.7
Phase x Wire	1-4	—	1-4	—	1-3
Pole	2	—	2	—	2
Power factor	1	—	1	—	1
Type of coupling	Belt drive	⊙	Direct coupling	⊙	Direct coupling
Insulation	Stator:B Rotor:F	—	Stator:B Rotor:F	—	Stator:B Rotor:F
Type	Horizontal liquid-cooled diesel	⊙	Vertical liquid-cooled diesel	⊙	Vertical liquid-cooled diesel
Model	ZB600-GL		Z482-EB		D722-EB
Engine speed	rpm 3000		3600		3600
Displacement	cu.in (cc) 34.8 (570)		29.2 (479)		43.9 (719)
Fuel tank capacity	U.S.gals (L) 5.02 (19)	⊙	7.40 (28)	⊙	7.40 (28)
Engine oil capacity	U.S.gals (L) 0.79 (3)	—	0.58 (2.2)	—	0.90 (3.4)
Approx.net weight	lbs. (kg) 518.1 (235)	—	518.1 (235)	—	650.4 (295)
Length	in. (mm) 42.1 (1070)	—	42.1 (1070)	—	50.6 (1285)
Width	in. (mm) 23.1 (587)	×	23.9 (607)	×	23.9 (607)
Height	in. (mm) 25.1 (656)	×	27.4 (696)	×	27.4 (696)
Operable temperature	°F (°C) 5~104 (-15~40)	—	5~104 (-15~40)	—	5~104 (-15~40)
Receptacles	L14-30R L6-30R L5-30R 5-20R(GFCI)	—	L14-30R L6-30R L5-30R 5-20R(GFCI)	—	CS6369(50A) L6-30R L5-30R 5-20R(GFCI)
Terminal	—	—	—	⊙	5-20R(GFCI)
Pilot lamp	●	—	●	—	●
Meter (Voltage)	●	—	●	—	●
Voltage adjustment	AVR	—	AVR	—	AVR
Hour meter	Option	⊙	●	⊙	●
Full power switch	●	—	●	—	—
Starter key	●	—	●	—	●
Charge lamp	●	—	●	—	●
Emergency lamp (Engine oil)	●	—	●	—	●
Emergency lamp (Engine cooling water)	●	—	●	—	●
Circuit breaker	●	—	●	—	●
Sound level	dB(A) 68	⊙	67	—	69
Fuel meter	● (Meter)	—	● (See through tube)	—	● (See through tube)
Engine slowdown	●	×	×	×	×
Emergency device (Engine stop)	Engine oil & cooling water	—	Engine oil & cooling water	—	Engine oil & cooling water
Battery charging	By coil of generator	—	By coil of generator	—	By coil of generator
Access terminal for engine start/stop	×	⊙	●	⊙	●
Packing	Crate	—	Carton	—	Carton
Lifting	One point lifting	⊙	One point lifting & openings for forklift	⊙	One point lifting & openings for forklift

※NOTE 1. ● Standard equipment

2.Design & Specifications are subject to change without notice.

KUBOTA Corporation

2-47, Shikitsuhigashi 1-chome, Naniwa-ku, Osaka, 556-8601 Japan Fax: 06-6648-3521 Telex: 5267785 KUBOTA J

<http://www.kubota-generator.com>

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LOWBOY II

GL7000/GL11000

Designed Especially for the North American Market

■ Outstanding Sales Points

ITEM	Description
Cleaner emission	Adopted Z482 and D722 engines, both highly rated on the North American market, and meet the USA EPA Emission Control Tier 2 Regulation.
Compact design	The design is based on the standard two-pole diesel engine generator, GL6500S. Enabled the world's smallest generator package by direct-coupling the cooling fan with the crankshaft.
Lower noise levels	Adopted a large-capacity radiator, a large-capacity muffler, and a low speed fan to reduce noise. The optimally designed air cleaner hose further reduces suction noise.

■ Additional Features

ITEM	Description
Improved reliability	<p>Powered by Kubota's highly-reliable vertical, liquid-cooled high-power density diesel engine series, the New SUPER MINI. A long time favorite for generator application on the North American market.</p> <p>Generator and engine are direct-coupled to ensure a more reliable power supply with minimum power loss.</p> <p>Weatherability enhanced and compatible with IP23S requirements.</p>
Easy maintenance	<p>Increased the size of the fuel tank (from 5.02 to 7.40 gals.), to enable longer continuous operation on a single tank.</p> <p>Transportability is enhanced with special forklift openings on the base of the machine, and the one-point lifting eye.</p> <p>To enable easier operation and maintenance, the control panel is the same as that of GL6500S, a highly rated design on the North American market.</p> <p>One-side maintenance realized, reducing the operator's work load. (Maintenance checkups on oil, fuel, battery and cooling water levels.)</p> <p>Larger-capacity oil pan employed to stretch the oil change intervals up to 200 operating hours. Reduced the running cost of the generator owner.</p> <p>Closed breather on all models. Radiator, the package, and the area around the generator are no longer stained by breather-caused splashes.</p> <p>Generator and engine are direct-coupled. Did away with the cog-belt, therefore, no need to replace or adjust it any more.</p>
Safety measures	<p>Protective covers on all moving parts (for the engine's cooling fan and the generator.)</p> <p>Automatically shut down the engine in case the water temperature rises excessively or the oil pressure drops below a safe level.</p> <p>Equipped with a Starter Safety System to prevent the starter from engaging again after the engine starts up. (a safety feature)</p>
Wide application	<p>An access terminal to connect to the automatic startup unit is standard equipment. Applicable for stationary use as well.</p> <p>Double element air cleaners are standard equipment. Ideal for heavy-duty applications in sandy environments.</p> <p>GL7000: A full-power switch, like that of GL6500S, is a standard equipment. Two sockets (30A + 30A) to take out the full 120V power.</p> <p>GL11000: 50A receptacle, widely used on the North American market, is a standard equipment. Can provide up to 42A from a single socket, and 83A in total from multiple sockets.</p>
Options	Two-wheel kit