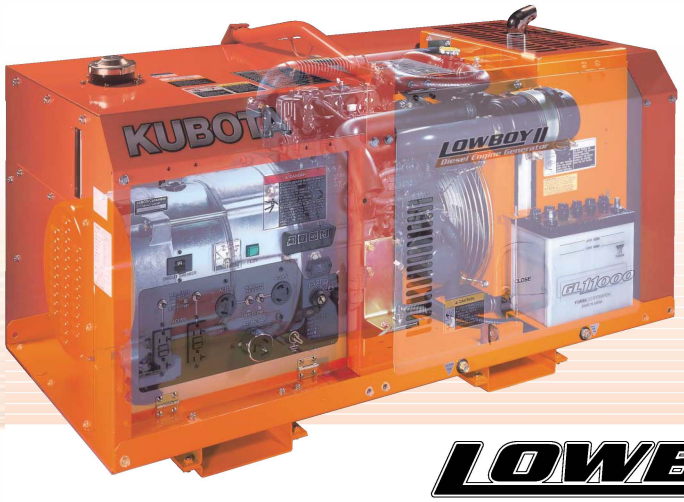
GL SERIES

Prime Output: (Single Phase) 6.5 to 10.0kVA

GL7000 / GL7000TM / GL11000 / GL11000TM

LOWBOY II saves space and the environment.



LOWBOY II

1. Compact Design

Low Profile and More Compact

The LOWBOY II series is designed to have the minimum possible height while using vertical diesel engines.
This is achieved by direct coupling of the engine crankshaft with the cooling fan. Since they require less space for operation, the range of possible applications has been greatly increased.

2. Easy Maintenance

Easy One-Side Maintenance

Large swing-up side panel enables quick and easy engine inspection and maintenance. Engine oil and coolant drain extensions are provided to ease regularly scheduled maintenance. Oil gauge, oil filter, oil replenishment port, fuel filter, water reserve tank, battery and air cleaner are all located on one side.

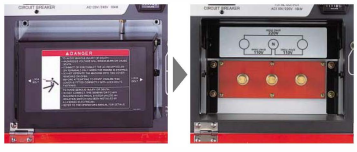
3. Safety

Safety Measures

Automatically shuts the engine down if the water temperature is excessive or the oil pressure drops below a safe level. Equipped with a starter safety relay to prevent the starter from engaging after the engine starts up.

Removable Cover for Control Panel

Terminal type is equipped with an output connection cover that will stop the engine immediately when it is opened during operation.



3. Safety

Double Circuit Protectors

In addition to the overall circuit protector, each receptacle also has a circuit protector that will shut the engine down to prevent overcurrent damage.

4. Operator Friendly

Transportability

One-point lifting eye makes it easy to transport all GL series generators. Special forklift openings are provided in the base of the machine.

Longer Continuous Operation

Large-capacity fuel tank (7.4gal; 28L) enables longer continuous operation on a single tank.

5. Quiet

Lower Noise Levels

Four separate features help reduce overall noise levels.
First, the large-capacity radiator successfully reduces fan-related noise by direct coupling to the crankshaft with a slower-speed fan.
Second, the large-capacity, built-in muffler helps reduce exhaust-related noise. Third, the longer air-cleaner hose reduces air-suction-related noise.
Fourth, the ideally placed inlet vent and its improved design reduce noise coming from the enclosure's opening.

Model	Sound level during Rated Output at 23 ft. (7m) [dB(A)]
GL7000	66.0
GL7000TM	66.0
GL11000	68.0
GL11000TM	68.0

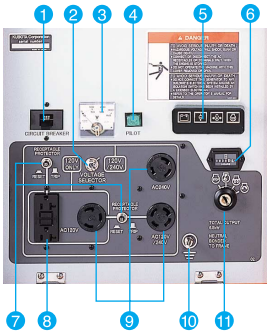
SPECIFICATIONS

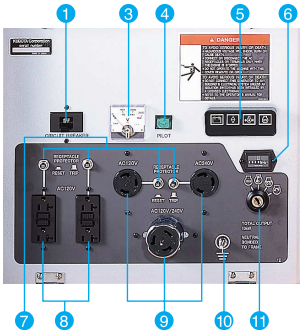
MODEL		Unit	GL7000	GL7000TM	GL11000	GL11000TM
Type		–	Rotating field single-phase AC generator			
Frequency		Hz	60			
Standby Output		kVA (kW)	7.0 (7.0)		11.0 (11.0)	
Prime Output		kVA (kW)	6.5 (6.5)		10.0 (10.0)	
Voltage - Single Phase		V	120/240			
Voltage - Three Phase		V	–			
Armature Connection		–	Series			
Phase / Wire		–	1-4		1-3	
Power Factor		–	1.0			
No. of Poles		–	2			
Insulation		Class	Rotor coil; class F, Stator coil; class B			
Voltage Regulation		%	–			
Type of Coupling		–	Direct coupled			
AMPS						
Single Phase 120V		A	27.1 x 2	27.1 x 2	41.7 x 2	41.7 x 2
Single Phase 240V		A	27.1	27.1	41.7	41.7
Three Phase 208V		A	–	–	–	–
Three Phase 480V		A	–	–	–	–
NO. OF RECEPTACLES						
5-15R (GFCI)		–	N/A	N/A	N/A	N/A
5-20RA (GFCI)		–	1	1	2	1
6-15R		–	N/A	N/A	N/A	N/A
L5-20R		–	–	–	–	–
L5-30R		–	1	–	1	–
L6-30R		–	1	–	1	–
L14-30R		–	1	–	–	–
CS-6369		–	–	–	1	–
TERMINAL						
Terminal		–	Available	Available	Available	Available
DIESEL ENGINE						
Type		–	Vertical, liquid-cooled, 4-cycle diesel engine			
Model		–	Z482		D722	
No. of Cylinders		–	2		3	
Bore x Stroke		mm (in.)	67.0 x 68.0 (2.6 x 2.7)		67.0 x 68.0 (2.6 x 2.7)	
Displacement		LL (cu. in.)	0.479 (29.2)		0.719 (43.9)	
Engine Speed		rpm	3600			
Continuous Rated Output		kW (HP)	8.1 (10.9)		12.2 (16.3)	
Lubricant (API classification)		–	Above CF grade			
Oil Capacity		L(qts.)	2.2 (0.58)		3.4 (0.9)	
Coolant Capacity		L(qts.)	3.7 (0.98)		4.1 (1.1)	
Starting System		–	Electric - 12 volt DC			
SET						
Fuel		–	Diesel fuel No.2 (ASTM D975)			
Fuel Consumption	at Full Load	L/h(gal./h)	2.6 (0.69)		4.1 (1.09)	
	at 3/4 Load	L/h(gal./h)	2.1 (0.55)		3.3 (0.86)	
	at 1/2 Load	L/h(gal./h)	1.7 (0.45)		2.7 (0.71)	
	at 1/4 Load	L/h(gal./h)	1.4 (0.38)		2.2 (0.59)	
Fuel Tank Capacity		L(gal.)	28.0 (7.4)		28.0 (7.4)	
Continuous Operation Hours	at Full Load	h	10.0		7.0	
	at 3/4 Load	h	13.3		8.5	
	at 1/2 Load	h	16.5		10.4	
	at 1/4 Load	h	20.0		12.7	
Battery (Ah/5h)		–	38B20R (12V x 28Ah)		55B24R (12V x 36Ah)	
Dimensions L x W x H		mm	1066 x 618 x 698		1281 x 618 x 698	
		(in.)	42.0 x 24.3 x 27.5		50.4 x 24.3 x 27.5	
Approx. Net Weight		kg(lbs.)	235 (518)		295 (650)	
Sound Level (Full Load at 23 ft. [7m])		dB (A)	66		68	
Emergency Stop System		–	In case of abnormal: Oil pressure, water temperature, or When the access terminal cover is opened (terminal type only)			

CONTROL PANEL

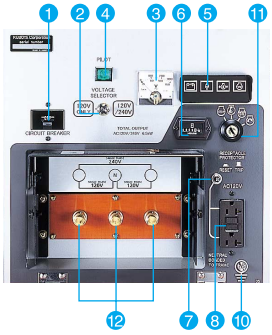
GL SERIES

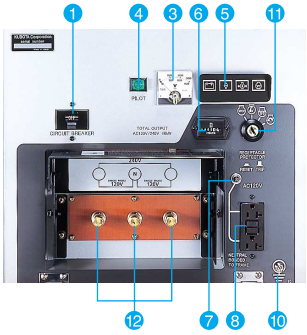
■ GL7000 / GL11000





■ GL7000TM / GL11000TM

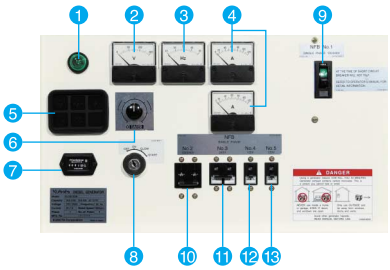


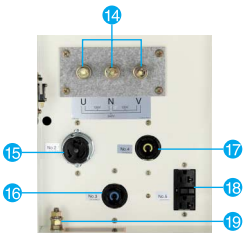


1. Circuit Breaker
2. Voltage Selector Switch
3. AC Voltmeter
4. Pilot Lamp
5. Monitor Lamps
6. Hour Meter
7. Receptacle Protector
8. GFCI
9. Output Receptacles
10. Ground Terminal
11. Key Switch
12. Output Terminals

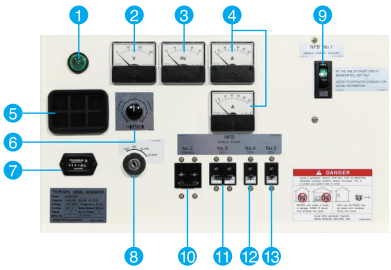
KJ SERIES

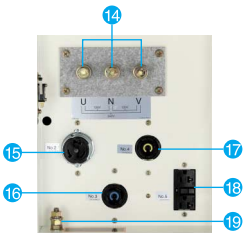
■ KJ-13





■ KJ-20

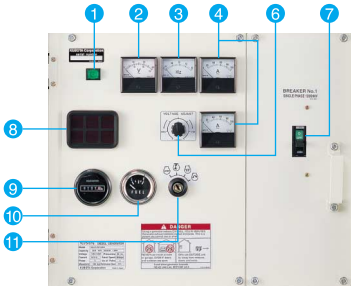




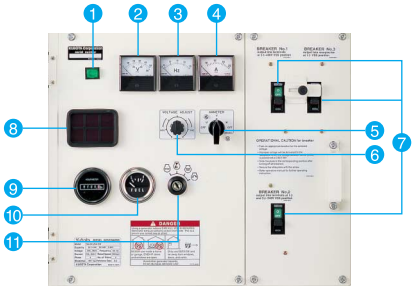
1. Pilot Lamp
2. A.C. Voltmeter
3. Frequency Meter
4. A.C. Ammeter
5. Monitor Lamps
6. Voltage Adjuster
7. Hour Meter
8. Key Switch
9~13. No-Fuse Breaker
   - 9 No.1 10 No.2 11 No.3 12 No.4 13 No.5
14. Output Terminals (U,N,V)
15~18. Output Receptacles
   - 15 120/240V (CS6369)
   - 16 120V (L6-30R)
17. 120V (L5-20R)
18. 120V (5-20R,GFI)
19. Ground Terminal

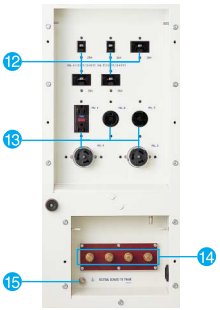
SQ SERIES

■ SQ-14 / SQ-21



■ SQ-26SW / SQ-33SW





(SQ-33)

1. Pilot Lamp
2. A.C. Voltmeter
3. Frequency Meter
4. A.C. Ammeter
5. Ammeter Phase
6. Voltage Adjuster
7. Circuit Breaker
8. Monitor Lamps
9. Hour Meter
10. Fuel Gauge
11. Key Switch
12. No-Fuse Breaker
13. Output Receptacles
14. Output Terminals
15. Ground Terminal

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