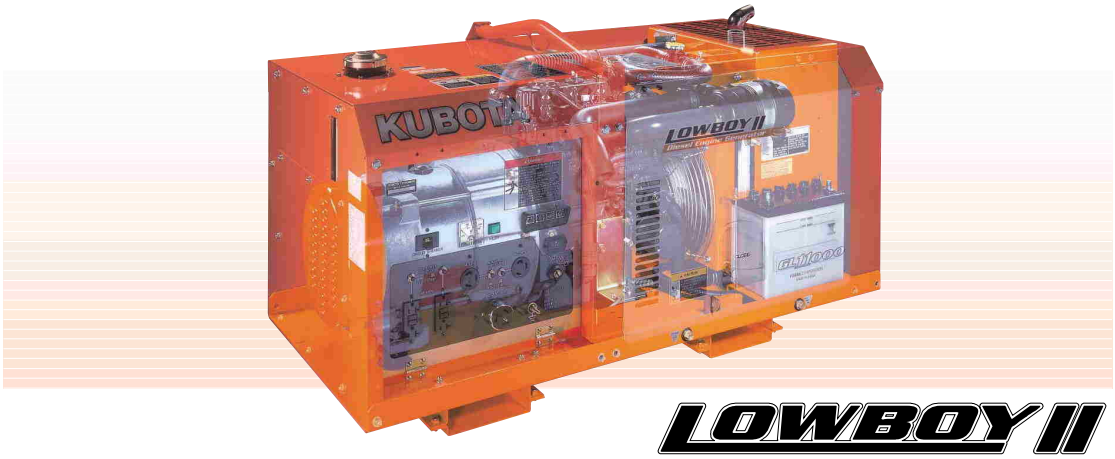
GL SERIES

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.

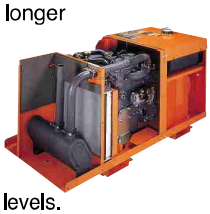
4. Operator Friendly

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

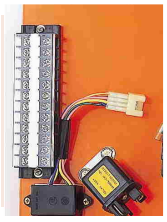
Four separate features help reduce overall noise levels. First, the large-capacity radiator successfully reduces fan-related noise by direct coupling to the crankshaft with a slower-speed fan. Second, the large-capacity, built-in muffler helps reduce exhaust-related noise. Third, the longer air-cleaner 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

6. ATS

Access Terminals for ATS Make Wiring Easy

Access terminals for Automatic Transfer Switches (ATS) are located behind the control panel.



KJ SERIES

Prime Output: (Single Phase) 12.5 to 19.6kVA

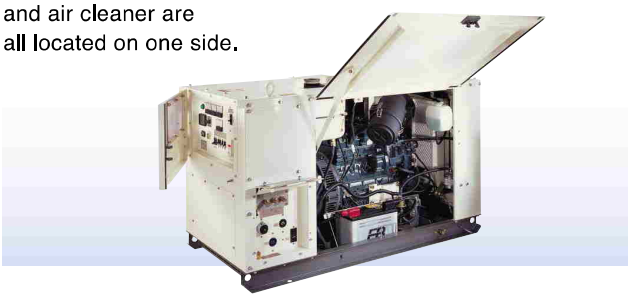
KJ-13 / KJ-20

Heavy-duty power generation.

1. Easy Maintenance

Easy One-Side Maintenance

Extra-large swing-up panel makes engine inspection and maintenance quick and easy. 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.



2. Safety

Safety Measures

All engines for KJ series generators are ECU-controlled. Automatic shutdown of the engine if abnormal condition (abnormal oil pressure or water temperature, excessive speed, broken fan belt) or if swing-up panel is opened during operation.

Locking Control Panel Door

Shields instrument panel from the elements and permits observation of all key functions without opening the door.

3. Operator Friendly

Transportability

Twin-point lifting eyes make it easy to transport all KJ series generators.

4. Quiet

Reduced Sound and Vibration

Kubota's inherent low-sound design, a sound-attenuated enclosure which effectively reduces all sound including that of the muffler, and the original E-TVCS combustion system substantially reduces the sound levels. Integral vibrations are also reduced by inserting rubber pads in critical areas.

Model	Sound level during Rated Output at 23 ft. (7m) [dB(A)]
KJ-13	75.5
KJ-20	76.5

5. ATS

Access Terminals for ATS Make Wiring Easy

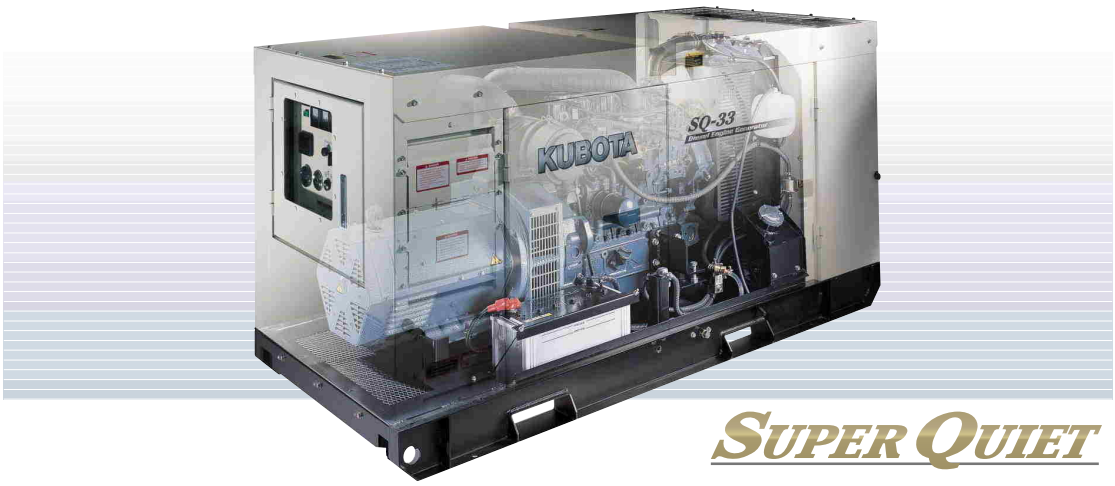
Access terminals for Automatic Transfer Switches (ATS) are located behind the lower control panel.

SQ SERIES

Prime Output: (Single Phase) 13.5 to 24.0kVA
(Three Phase) 26.3 to 33.1kVA

SQ-14 / SQ-21 / SQ-26SW / SQ-33SW

Satisfied with Quiet? Meet the Super Quiet series!



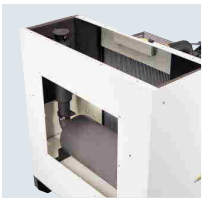
1. Super Quiet

Over-Sized Muffler

Sound levels have been lowered by an over-sized muffler.

Second Muffler (for SQ-33SW only)

A special 2-stage muffler system is used in generators powered by the V3300 to reduce noise even further.



Model	Sound Level During Rated Output at 23 ft. (7m) [dB(A)]
SQ-14	63.0
SQ-21	64.0
SQ-26SW	64.0
SQ-33SW	65.0

2. Easy Maintenance

Easy One-Side 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 for quick inspection and maintenance.

3. Safety

Safety Measures

All engines for SQ series generators are ECU-controlled. Automatic shutdown of the engine if abnormal condition (abnormal oil pressure or water temperature, excessive speed, broken fan belt) or if load center doors are opened during operation.

3. Safety

Locking Control Panel Door

Shields instrument panel from the elements and permits observation of all key functions without opening the door.

4. Operator Friendly

Transportability

One-point lifting eye makes it easy to transport all SQ series generators. Special forklift openings are located on the base of the machine.

Longer Continuous Operation

Large-capacity fuel tank (21.5gal; 81.4L) enables longer continuous operation on a single tank.

5. ATS

Access Terminals for ATS Make Wiring Easy

Access terminals for Automatic Transfer Switches (ATS) are located behind the left side of load center doors.

SPECIFICATIONS

GL SERIES

KJ SERIES

SQ SERIES

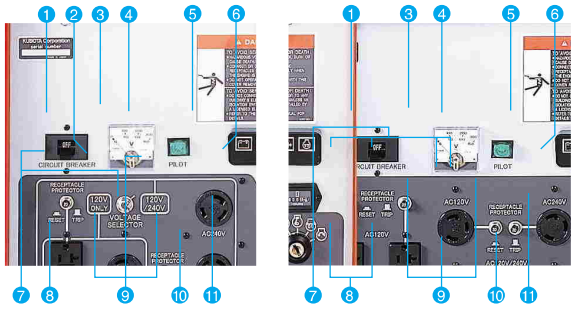
MODEL	Unit	GL7000	GL7000TM	GL11000	GL11000TM	KJ-13	KJ-20	SQ-14	SQ-21	SQ-26SW			SQ-33SW		
Type	–	Rotating field single-phase AC generator				Revolving field, brushless AC generator		Revolving field, brushless AC generator							
Frequency	Hz	60				60		60							
Standby Output	kVA (kW)	7.0 (7.0)		11.0 (11.0)		13.8 (13.8)	20.6 (20.6)	14.2 (14.2)	21.6 (21.6)	27.6 (22.1)		20.5(20.5)	34.8 (27.8)		25.2(25.2)
Prime Output	kVA (kW)	6.5 (6.5)		10.0 (10.0)		12.5 (12.5)	19.6 (19.6)	13.5 (13.5)	20.6 (20.6)	26.3 (21.0)		19.5(19.5)	33.1 (26.5)		24.0(24.0)
Voltage - Single Phase	V	120/240				120/240	120/240	120/240	120/240	–	–	120/240	–	–	120/240
Voltage - Three Phase	V	–				–	–	–	–	480	240	–	480	240	–
Armature Connection	–	Series				Series	Series	Series	Series	Star with neutral		Zig-Zag	Star with neutral		Zig-Zag
Phase / Wire	–	1-4		1-3		1-3	1-3	1-3	1-3	3-12			3-12		
Power Factor	–	1.0				1.0	1.0	1.0	1.0	0.8		1.0	0.8		1.0
No. of Poles	–	2				4		4							
Insulation	Class	Rotor coil; class F, Stator coil; class B				H		H							
Voltage Regulation	%	–				3.5 (No load to full load)		2.5 (No load to full load)							
Type of Coupling	–	Direct coupled				Direct coupled		Direct coupled							
AMPS															
Single Phase 120V	A	27.1 x 2	27.1 x 2	41.7 x 2	41.7 x 2	52.1 x 2	81.7 x 2	56.3 x 2	85.8 x 2	–	–	81.3 x 2	–	–	100.0 x 2
Single Phase 240V	A	27.1	27.1	41.7	41.7	52.1	81.7	56.3	85.8	–	–	81.3	–	–	100.0
Three Phase 208V	A	–	–	–	–	–	–	–	–	–	63.3	–	–	79.6	–
Three Phase 480V	A	–	–	–	–	–	–	–	–	31.6	–	–	39.8	–	–
NO. OF RECEPTACLES															
5-15R (GFCI)	–	N/A	N/A	N/A	N/A	–	–	–	–	–			–		
5-20RA (GFCI)	–	1	1	2	1	1	1	1	1	1			1		
6-15R	–	N/A	N/A	N/A	N/A	–	–	–	–	–			–		
L5-20R	–	–	–	–	–	1	1	–	–	–			–		
L5-30R	–	1	–	1	–	–	–	1	1	1			1		
L6-30R	–	1	–	1	–	1	1	–	–	–			–		
L14-30R	–	1	–	–	–	–	–	1	–	–			1		
CS-6369	–	–	–	1	–	1	1	1	2	2			2		
TERMINAL															
Terminal	–	Available	Available	Available	Available	Available	Available	Available	Available	Available			Available		
DIESEL ENGINE															
Type	–	Vertical, liquid-cooled, 4-cycle diesel engine				Vertical, liquid-cooled, 4-cycle diesel engine		Vertical, liquid-cooled, 4-cycle diesel engine							
Model	–	Z482		D722		D1703-M	V2203-M	D1703-M	V2403-M	V2403-M			V3300		
No. of Cylinders	–	2		3		3	4	3	4	4			4		
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)		87 x 92.4 (3.43 x 3.64)	87 x 92.4 (3.43 x 3.64)	87 x 92.4 (3.43 x 3.64)	87 x 102.4 (3.43 x 4.03)	87 x 102.4 (3.43 x 4.03)			98 x 110 (3.86 x 4.33)		
Displacement	LL (cu. in.)	0.479 (29.2)		0.719 (43.9)		1.647 (100.5)	2.197 (134.1)	1.647 (100.5)	2.434 (148.5)	2.434 (148.5)			3.318 (202.5)		
Engine Speed	rpm	3600				1800		1800							
Continuous Rated Output	kW (HP)	8.1 (10.9)		12.2 (16.3)		17.3 (23.2)	23.7 (31.8)	17.3 (23.2)	23.7 (31.8)	23.7 (31.8)			29.9 (40.1)		
Lubricant (API classification)	–	Above CF grade				Above CF grade		Above CF grade							
Oil Capacity	L(qts.)	2.2 (0.58)		3.4 (0.9)		7.0 (7.4)	9.5 (10.0)	7.0 (7.4)	9.5 (10.0)	9.5 (10.0)			13.2 (13.9)		
Coolant Capacity	L(qts.)	3.7 (0.98)		4.1 (1.1)		6.9 (7.3)	8.7 (9.2)	6.9 (7.3)	7.8 (8.2)	7.8 (8.2)			9.5 (10.0)		
Starting System	–	Electric - 12 volt DC				Electric - 12 volt DC		Electric - 12 volt DC							
SET															
Fuel	–	Diesel fuel No.2 (ASTM D975)				Diesel fuel No.2 (ASTM D975)		Diesel fuel No.2 (ASTM D975)							
Fuel Consumption at Full Load	L/h(gal./h)	2.6 (0.69)		4.1 (1.09)		4.80 (1.27)	6.90 (1.82)	4.24 (1.12)	6.82 (1.80)	6.82 (1.80)			9.0 (2.38)		
Fuel Consumption at 3/4 Load	L/h(gal./h)	2.1 (0.55)		3.3 (0.86)		3.70 (0.98)	5.30 (1.40)	3.49 (0.92)	4.94 (1.31)	4.94 (1.31)			6.96 (1.84)		
Fuel Consumption at 1/2 Load	L/h(gal./h)	1.7 (0.45)		2.7 (0.71)		2.80 (0.74)	4.00 (1.06)	2.76 (0.73)	3.60 (0.95)	3.60 (0.95)			5.31 (1.40)		
Fuel Consumption at 1/4 Load	L/h(gal./h)	1.4 (0.38)		2.2 (0.59)		2.00 (0.53)	2.90 (0.77)	1.79 (0.47)	2.54 (0.67)	2.54 (0.67)			3.81 (1.01)		
Fuel Tank Capacity	L(gal.)	28.0 (7.4)		28.0 (7.4)		37 (9.8)	37 (9.8)	81.4 (21.5)	81.4 (21.5)	81.4 (21.5)			81.4 (21.5)		
Continuous Operation Hours at Full Load	h	10.0		7.0		7.7	5.4	19.2	11.9	11.9			9.0		
Continuous Operation Hours at 3/4 Load	h	13.3		8.5		10.0	7.0	23.3	16.5	16.5			11.7		
Continuous Operation Hours at 1/2 Load	h	16.5		10.4		13.2	9.3	29.5	22.6	22.6			15.3		
Continuous Operation Hours at 1/4 Load	h	20.0		12.7		18.5	12.8	45.5	32.0	32.0			21.4		
Battery (Ah/5h)	–	38B20R (12V x 28Ah)		55B24R (12V x 36Ah)		12V (64Ah)	12V (64Ah)	12V (64Ah)	12V (64Ah)	12V (64Ah)			12V (92Ah)		
Dimensions L x W x H	mm	1066 x 618 x 698		1281 x 618 x 698		1429 x779 x 971	1571 x 779 x 971	1750 x 914 x 1044	1845 x 914 x 1044	1845 x 914 x 1044			2047 x 914 x 1044		
	(in.)	42.0 x 24.3 x 27.5		50.4 x 24.3 x 27.5		56.3 x 30.7 x 38.2	61.9 x 30.7 x 38.2	70.0 x 36.6 x 41.8	73.8 x 36.6 x 41.8	73.8 x 36.6 x 41.8			81.9 x 36.6 x 41.8		
Approx. Net Weight	kg(lbs.)	235 (518)		295 (650)		480 (1058)	555 (1224)	668 (1470)	728 (1605)	742 (1632)			917 (2017)		
Sound Level (Full Load at 23 ft. [7m])	dB (A)	66		68		75.5	76.5	63.0	64.0	64.0			65.0		
Emergency Stop System	–	In case of abnormal: Oil pressure, water temperature, or When the access terminal cover is opened (terminal type only)				In case of abnormal: Oil pressure, water temperature, fan belt broken, when the side cover and door open while running		In case of abnormal: Oil pressure, water temperature, fan belt broken, when the side cover and door open while running							

*Specifications and dimensions are subject to change without prior notice.

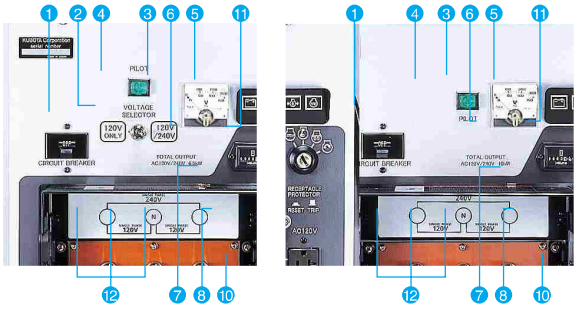
CONTROL PANEL

GL SERIES

■ GL7000 / GL11000



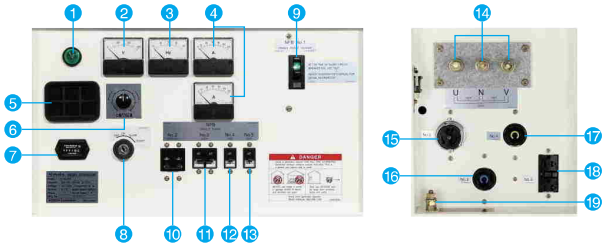
■ GL7000TM / GL11000TM



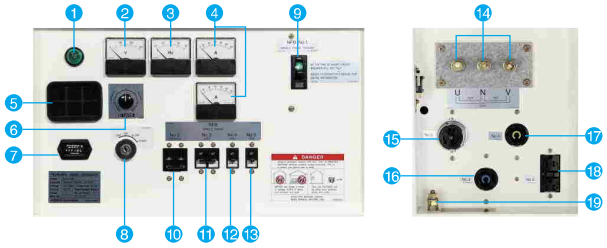
① Circuit Breaker
② Voltage Selector Switch
③ AC Voltmeter
④ Pilot Lamp
⑤ Monitor Lamps
⑥ Hour Meter
⑦ Receptacle Protector
⑧ GFCI
⑨ Output Receptacles
⑩ Ground Terminal
⑪ Key Switch
⑫ Output Terminals

KJ SERIES

■ KJ-13



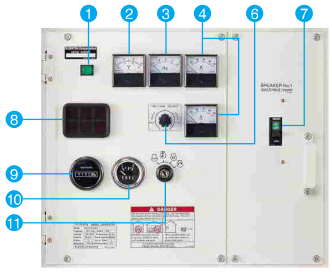
■ KJ-20



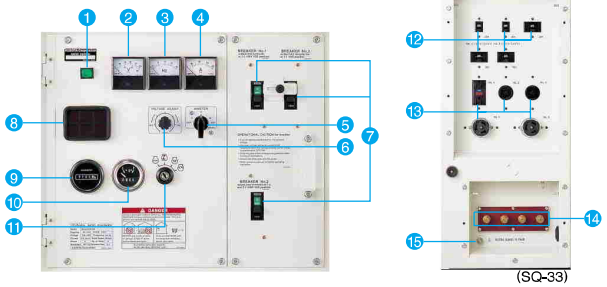
① Pilot Lamp
② A.C. Voltmeter
③ Frequency Meter
④ A.C. Ammeter
⑤ Monitor Lamps
⑥ Voltage Adjuster
⑦ Hour Meter
⑧ Key Switch
⑨~⑬ No-Fuse Breaker
⑨ No.1 ⑩ No.2 ⑪ No.3 ⑫ No.4 ⑬ No.5
⑭ Output Terminals (U,N,V)
⑮~⑱ Output Receptacles
⑮ 120/240V (CS6369)
⑯ 120V (L6-30R)
⑰ 120V (L5-20R)
⑱ 120V (5-20R,GFI)
⑲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

SQ SERIES

■ SQ-14 / SQ-21



■ SQ-26SW / SQ-33SW



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

Kubota

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