

Kubota

# KUBOTA GENERATORS

*J SERIES / GL SERIES / KJ SERIES / SQ SERIES*



J 310



GL 9000



KJ-T300



SQ-3300



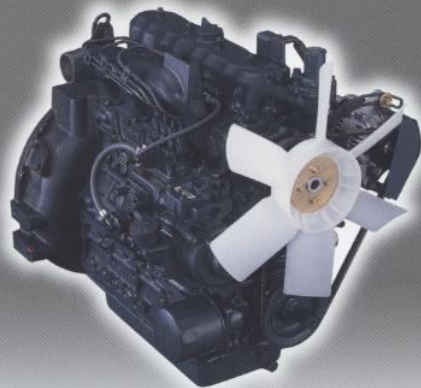
# Everything you value in a generator

## The heart of Kubota generators are Kubota's own diesel engines.

Used widely in world-renowned machinery, these sturdily built, one-side-maintenance type diesel engines promise great reliability and service life for almost any application. Kubota is well known as one of the top engine manufacturers in the world, with over 80 years of experience. Reliability is guaranteed when powered by a Kubota engine.

## There's no end to the quest.

What makes Kubota different? High Performance, Energy Efficient, Labor Saving and the Respect for Humanity. These four founding fundamentals remain unchanged at Kubota ever since the beginning of engine production in 1922. Cleaner emissions and the ability to readily match most any engine requirements a customer needs are the results of Kubota engine's comprehensive strength. There's no end to the quest. Challenging spirit is at the core of Kubota technology.





## Kubota Generator Lineup

### J SERIES

- 2-Pole Single-Phase & Three-Phase
- Output Range: 5.5kVA to 20.0kVA



#### Easy to use anywhere for longer periods of time

These semi-open type generators are powered by either a Super Mini or a Kubota 05 Series engine. The series' "easy to use anywhere" design permits operation even in limited space.

The larger capacity fuel tank and its exceptional fuel efficiency guarantee longer hours of continual electrical energy on a single tank of fuel.

#### ● J series Max output (kVA)

J106	5.5
J108	8.0
J112	12.0
J116	16.0
J310	10.0
J315	15.0
J320	20.0

### GL SERIES

- 2-Pole Single-Phase
- Output Range: 5.5kVA to 8.0kVA



**LOWBOY II**

#### LOWBOY II saves space and the environment.

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.

#### ● GL series Max output (kVA)

GL6000	5.5
GL9000	8.0

### KJ SERIES

- 4-Pole Single-Phase & Three-Phase
- Output Range: 12.5kVA to 30.0kVA



#### Heavy-duty power generation

A heavy-duty 4-pole series powered by Kubota 03 and V3 series diesel engines.

Many features have been added to make the KJ Series much quieter, more efficient, and safer to use anywhere, any time.

#### ● KJ series Max output (kVA)

KJ-S130VX	12.5
KJ-T130DX	12.5
KJ-T180VX	18.0
KJ-T300	30.0

### SQ SERIES

- 4-Pole Single-Phase & Three-Phase
- Output Range: 11.2 to 30.0kVA



**SUPER QUIET**

#### Satisfied with Quiets? Meet the Super Quiet series!

Kubota's largest yet super quiet, heavy-duty type 4-pole generator series.

The special enclosure with noise absorbing duct, over-sized muffler, extra long air cleaner hose, and quieter cooling fan all add up to its super quiet performance [61-64 dB at 7m (23 feet)] at full load.

#### ● SQ series Max output (kVA)

SQ-1120	11.2
SQ-1150	15.0
SQ-3140	14.0
SQ-3200	20.0
SQ-3300	30.0

## Easy to use anywhere for longer periods of time



### 1. Easy Maintenance

#### Easy One-Side Maintenance

All gauges and filters (except for Z482 and D722's oil filter) are conveniently situated to enhance and simplify daily maintenance.



### 2. Safety

#### Safety Measures

Automatically shuts the engine down if the water temperature is excessive or the oil pressure drops below a safe level, and when the fanbelt breaks.\*

\* Fanbelt accident prevention is only applicable to generators using D1005 and V1305 engines.



#### Removable Cover for Output Terminals

Protective covers are attached on all output terminals to prevent electric shocks.

The number of safety covers has also been increased to prevent entangling accidents.



### 3. Operator Friendly

#### Transportability

One-point lifting eye makes it easy to transport all J series generator.

Special forklift openings are provided in the base of the machine.



#### Longer Continuous Operation

Large-capacity fuel tank enables longer continuous operation on a single tank.

### 4. ATS

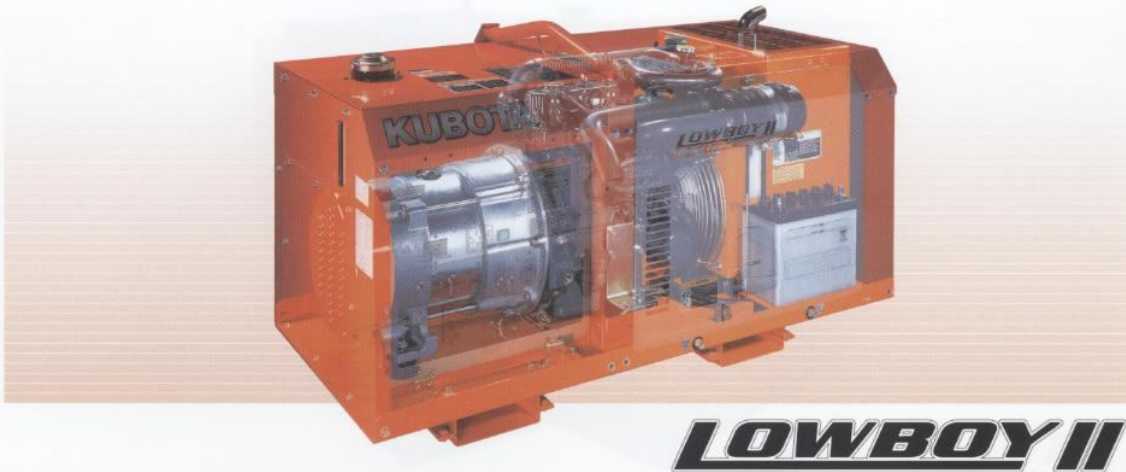
#### Access Terminals for ATS Make Wiring Easy

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





## LOWBOY II saves space and the environment.



### 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 panels 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 Output Terminal

Output Terminal 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 damages.

### 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 (28L; 7.4gal) 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 7m (23 ft.) [dB(A)]
GL6000	65.0
GL9000	67.0

### 6. ATS

#### Access Terminals for ATS Make Wiring Easy

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





## 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

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 open during operation.



### 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 7m (23 ft.) [dB(A)]
KJ-S130VX	75.0
KJ-T130DX	73.0
KJ-T180VX	75.0
KJ-T300	73.0

### 5. ATS (for KJ-T300 only)

#### Access Terminals for ATS Make Wiring Easy

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



## Satisfied with Quiet? Meet the Super Quiet series!



### *SUPER QUIET*

#### 1. Super Quiet

##### Over-Sized Muffler

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

##### Second Muffler (for SQ-3300 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 7m (23 ft.) [dB(A)]
SQ-1120	61.0
SQ-1150	63.0
SQ-3140	61.0
SQ-3200	63.0
SQ-3300	64.0



#### 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

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 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

**J  
SERIES**



MODEL	Unit	J106	J108	J112	J116	
Type	—	Revolving field, AC generator				
Frequency	Hz	50				
Standby Output	kVA (kW)	6.0 (6.0)	8.8 (8.8)	13.2 (13.2)	17.6 (17.6)	
Prime Output	kVA (kW)	5.5 (5.5)	8.0 (8.0)	12.0 (12.0)	16.0 (16.0)	
Voltage - Single Phase	V	220				
Voltage - Three Phase	V	—				
Armature Connection	—	Single				
Phase / Wire	—	1/2				
Power Factor	—	1.0				
No. of Poles	—	2				
Insulation	Class	Rotor coil; class F, Stator coil; class B				
Voltage Regulation	%	7.0 (No load to full load)		8.0 (No load to full load)		
Type of Coupling	—	Direct coupled				
<b>AMPS</b>						
Single Phase 220V	A	25.0	36.4	54.5	72.7	
Three Phase 380V	A	—				
<b>NO. OF RECEPTACLES</b>						
6-15R	—	N/A				
<b>TERMINAL</b>						
Terminal	—	Available				
<b>DIESEL ENGINE</b>						
Type	—	Vertical, water-cooled, 4-cycle diesel engine				
Model	—	Z482	D722	D1005	V1305	
No. of Cylinders	—	2	3	3	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)	76.0 x 73.6 (2.99 x 2.90)	76.0 x 73.6 (2.99 x 2.90)	
Displacement	LL (cu. in.)	0.479 (29.2)	0.719 (43.9)	1.001 (61.1)	1.335 (81.5)	
Engine Speed	rpm	3000				
Continuous Rated Output	kW (HP)	6.9 (9.3)	10.4 (14.0)	14.4 (19.3)	19.3 (25.9)	
Lubricant (API classification)	—	Above CD grade				
Oil Capacity	L (qts.)	2.2 (2.32)	3.4 (3.60)	4.3 (4.54)	5.7 (6.02)	
Coolant Capacity	L (qts.)	2.3 (2.43)	3.0 (3.17)	3.3 (3.49)	3.5 (3.70)	
Starting System	—	Electric - 12 volt DC				
<b>SET</b>						
Fuel	—	Diesel fuel No.2 (ASTM D975)				
Fuel Consumption	at Full Load	L/h (gal./h)	2.2 (0.6)	3.1 (0.8)	4.6 (1.2)	6.1 (1.6)
	at 3/4 Load	L/h (gal./h)	1.7 (0.5)	2.5 (0.7)	3.7 (1.0)	4.9 (1.3)
	at 1/2 Load	L/h (gal./h)	1.4 (0.4)	2.1 (0.5)	3.0 (0.8)	4.0 (1.1)
	at 1/4 Load	L/h (gal./h)	1.1 (0.3)	1.6 (0.4)	2.4 (0.6)	3.1 (0.8)
Fuel Tank Capacity	L (gal.)	37.0 (9.8)	37.0 (9.8)	79.0 (20.9)	79.0 (20.9)	
Continuous Operation Hours	at Full Load	h	17.1	11.8	17.0	12.9
	at 3/4 Load	h	21.3	14.7	21.2	16.2
	at 1/2 Load	h	26.1	18.0	26.1	19.8
	at 1/4 Load	h	33.3	23.1	33.5	25.4
Battery (Ah/5h)	—	12V (28Ah)	12V (36Ah)	12V (55Ah)	12V (55Ah)	
Dimensions L x W x H	mm	923 x 593 x 860	995 x 593 x 860	1215 x 611 x 922	1300 x 611 x 922	
	(in.)	(36.4 x 23.3 x 33.8)	(39.2 x 23.3 x 33.8)	(47.8 x 24.1 x 36.3)	(51.1 x 24.1 x 36.3)	
Approx. Net Weight	kg (lbs.)	225 (496)	255 (562)	340 (750)	380 (838)	
Sound Level (Full Load at 23 ft. [7m])	dB (A)	74	75	76.5	77.5	
Emergency Stop System	—	In case of abnormal: Oil pressure, water temperature		In case of abnormal: Oil pressure, water temperature, fan belt broken		



# GL SERIES



	J310	J315	J320	GL6000	GL9000
	Revolving field, AC generator			Rotating field single-phase AC generator	
		50		50	
	11.0 (8.8)	16.5 (13.2)	22.0 (17.6)	6.0 (6.0)	8.8 (8.8)
	10.0 (8.0)	15.0 (12.0)	20.0 (16.0)	5.5 (5.5)	8.0 (8.0)
		220		220	
		380		—	
		Star with neutral		Series	
		3/4		1/2	
		0.8		1.0	
		2		2	
	Rotor coil; class F, Stator coil; class B			Rotor coil; class F, Stator coil; class B	
	8.0 (No load to full load)			5.0 (No load to full load)	
	Direct coupled			Direct coupled	
	9.1 x 3	13.7 x 3	18.2 x 3	25.0	36.4
	15.2	22.8	30.4	—	
		N/A		2	
		Available		Available	
	Vertical, water-cooled, 4-cycle diesel engine			Vertical, water-cooled, 4-cycle diesel engine	
	D722	D1005	V1305	Z482	D722
	3	3	4	2	3
	67.0 x 68.0 (2.60 x 2.70)	76.0 x 73.6 (2.99 x 2.90)	76.0 x 73.6 (2.99 x 2.90)	67.0 x 68.0 (2.60 x 2.70)	
	0.719 (43.9)	1.001 (61.1)	1.335 (81.5)	0.479 (29.2)	0.719 (43.9)
		3000		3000	
	10.4 (14.0)	14.4 (19.3)	22.0 (29.5)	6.9 (9.3)	10.3 (13.8)
		Above CD grade		Above CD grade	
	3.4 (3.60)	4.3 (4.54)	5.7 (6.02)	2.2 (2.32)	3.4 (3.60)
	3.0 (3.17)	3.3 (3.49)	3.5 (3.70)	3.7 (3.92)	4.1 (4.35)
	Electric - 12 volt DC			Electric - 12 volt DC	
	Diesel fuel No.2 (ASTM D975)			Diesel fuel No.2 (ASTM D975)	
	3.1 (0.8)	4.5 (1.2)	6.0 (1.6)	2.2 (0.58)	3.2 (0.85)
	2.4 (0.6)	3.6 (0.9)	4.8 (1.3)	1.8 (0.48)	2.5 (0.67)
	2.0 (0.5)	2.9 (0.8)	3.9 (1.0)	1.5 (0.39)	2.1 (0.55)
	1.6 (0.4)	2.3 (0.6)	3.1 (0.8)	1.2 (0.31)	1.8 (0.47)
	37.0 (9.8)	79.0 (20.9)	79.0 (20.9)	28.0 (7.4)	28.0 (7.4)
	12.1	17.6	13.1	12.0	8.5
	15.2	22.0	16.4	15.6	11.2
	18.6	27.0	20.1	18.7	13.3
	23.9	34.6	25.7	23.3	15.6
	12V (36Ah)	12V (55Ah)	12V (55Ah)	12V (28Ah)	12V (36Ah)
	995 x 593 x 860 (39.2 x 23.3 x 33.8)	1215 x 611 x 922 (47.8 x 24.1 x 36.3)	1300 x 611 x 922 (51.1 x 24.1 x 36.3)	1066 x 618 x 698 (42.0 x 24.3 x 27.5)	1281 x 618 x 698 (50.4 x 24.3 x 27.5)
	255 (562)	340 (750)	380 (838)	235 (518)	295 (650)
	75	76.5	77.5	65	67
	In case of abnormal: Oil pressure, water temperature	In case of abnormal: Oil pressure, water temperature, fan belt broken		In case of abnormal: Oil pressure, water temperature, or when the access terminal cover is opened	



# SPECIFICATIONS

**KJ  
SERIES**



MODEL	Unit	KJ-S130VX	KJ-T130DX		KJ-T180VX		KJ-T300	
Type	—	Revolving field, brushless AC generator						
Frequency	Hz	50						
Standby Output	kVA (kW)	13.8 (13.8)	13.8 (11.0)		19.8 (15.8)		33.0 (26.4)	
Prime Output	kVA (kW)	12.5 (12.5)	12.5 (10.0)		18.0 (14.4)		30.0 (24.0)	
Voltage - Single Phase	V	110/220	220	240	220	240	—	
Voltage - Three Phase	V	—	380	415	380	415	380	
Armature Connection	—	Series delta	Star with neutral		Star with neutral		Star with neutral	
Phase / Wire	—	1/12	3/12		3/12		3/12	
Power Factor	—	1.0	0.8		0.8		0.8	
No. of Poles	—	4						
Insulation	Class	H						
Voltage Regulation	%	3.5 (No load to full load)						
Type of Coupling	—	Direct coupled						
<b>AMPS</b>								
Single Phase 110V	A	56.8	—	—	—	—	—	
Single Phase 220V	A	56.8	19.0	—	27.3	—	—	
Single Phase 240V	A	—	—	17.4	—	25.0	—	
Three Phase 380V	A	—	19.0	—	27.3	—	45.6	
Three Phase 415V	A	—	—	17.4	—	25.0	—	
<b>TERMINAL</b>								
Terminal	—	Available						
<b>DIESEL ENGINE</b>								
Type	—	Vertical, water-cooled, 4-cycle diesel engine						
Model	—	V2203	D1703		V2203		V3300	
No. of Cylinders	—	4	3		4		4	
Bore x Stroke	mm (in.)	87.0 x 92.4 (3.43 x 3.64)	87.0 x 92.4 (3.43 x 3.64)		87.0 x 92.4 (3.43 x 3.64)		98.0 x 110.0 (3.86 x 4.33)	
Displacement	LL (cu. in.)	2.197 (134.1)	1.647 (100.5)		2.197 (134.1)		3.318 (202.5)	
Engine Speed	rpm	1500						
Continuous Rated Output	kW (HP)	16.9 (22.7)	12.7 (17.0)		16.9 (22.7)		26.8 (35.9)	
Lubricant (API classification)	—	Above CD grade						
Oil Capacity	L (qts.)	8.7 (9.2)	6.3 (6.7)		8.7 (9.2)		13.2 (13.9)	
Coolant Capacity	L (qts.)	7.9 (8.4)	6.9 (7.3)		7.9 (8.4)		9.5 (10.0)	
Starting System	—	Electric - 12 volt DC						
<b>SET</b>								
Fuel	—	Diesel fuel No.2 (ASTM D975)						
Fuel Consumption	at Full Load	L/h (gal./h)	5.3 (1.4)	4.0 (1.1)		5.3 (1.4)		6.86 (1.81)
	at 3/4 Load	L/h (gal./h)	4.6 (1.2)	3.2 (0.8)		4.6 (1.2)		5.12 (1.35)
	at 1/2 Load	L/h (gal./h)	3.4 (0.9)	2.5 (0.7)		3.4 (0.9)		3.61 (0.95)
	at 1/4 Load	L/h (gal./h)	2.3 (0.6)	1.6 (0.4)		2.3 (0.6)		2.57 (0.68)
Fuel Tank Capacity	L (gal.)	37.0 (9.8)	37.0 (9.8)		37.0 (9.8)		60.0 (15.9)	
Continuous Operation Hours	at Full Load	h	7.0	9.3		7.0		8.7
	at 3/4 Load	h	8.0	11.6		8.0		11.7
	at 1/2 Load	h	10.9	14.8		10.9		16.6
	at 1/4 Load	h	16.1	23.1		16.1		23.3
Battery (Ah/5h)	—	12V (64Ah)	12V (64Ah)		12V (64Ah)		12V (92Ah)	
Dimensions L x W x H	mm	1488 x 650 x 971	1393 x 650 x 971		1488 x 650 x 971		1730 x 805 x 1046	
	(in.)	(57.0 x 25.6 x 38.2)	(54.8 x 25.6 x 38.2)		(57.0 x 25.6 x 38.2)		(68.1 x 32.7 x 41.2)	
Approx. Net Weight	kg (lbs.)	505 (1113)	450 (992)		505 (1113)		710 (1565)	
Sound Level (Full Load at 23 ft. [7m])	dB (A)	75	73		75		73	
Emergency Stop System	—	In case of abnormal oil pressure or water temperature					In case of abnormal: Oil pressure, water temperature, fan belt broken	



# SQ SERIES



	SQ-1120	SQ-1150	SQ-3140	SQ-3200	SQ-3300
Revolving field, brushless AC generator					
50					
	11.8 (11.8)	16.0 (16.0)	15.4 (12.3)	22.0 (17.6)	33.0 (26.4)
	11.2 (11.2)	15.0 (15.0)	14.0 (11.2)	20.0 (16.0)	30.0 (24.0)
	110/220	110/220	220	220	220
	—	—	380	380	380
	Series	Series	Star with neutral	Star with neutral	Star with neutral
	1/4	1/4	3/12	3/12	3/12
	1.0	1.0	0.8	0.8	0.8
4					
H					
1.5 (No load to full load)					
Direct coupled					
	50.9 x 2	68.2 x 2	—	—	—
	50.9	68.2	12.5 x 3	19.6 x 3	29.5 x 3
	—	—	—	—	—
	—	—	21.3	30.4	45.6
	—	—	—	—	—
Available					
Vertical, water-cooled, 4-cycle diesel engine					
	D1703	V2203	D1703	V2203	V3300
	3	4	3	4	4
	87.0 x 92.4 (3.43 x 3.64)	87.0 x 92.4 (3.43 x 3.64)	87.0 x 92.4 (3.43 x 3.64)	87.0 x 92.4 (3.43 x 3.64)	98.0 x 110.0 (3.86 x 4.33)
	1.647 (100.5)	2.197 (134.1)	1.647 (100.5)	2.197 (134.1)	3.318 (202.5)
1500					
	13.6 (18.2)	18.4 (24.7)	13.6 (18.2)	18.4 (24.7)	26.8 (35.9)
Above CD grade					
	5.6 (5.9)	7.6 (8.0)	5.6 (5.9)	7.6 (8.0)	13.2 (14.0)
	5.5 (5.8)	6.3 (6.7)	5.5 (5.8)	6.3 (6.7)	8.2 (8.7)
Electric - 12 volt DC					
Diesel fuel No.2 (ASTM D975)					
	3.9 (1.0)	5.5 (1.5)	3.8 (1.0)	5.3 (1.4)	7.7 (2.0)
	3.0 (0.8)	4.1 (1.1)	2.9 (0.8)	4.0 (1.1)	5.9 (1.6)
	2.3 (0.6)	3.1 (0.8)	2.2 (0.6)	3.1 (0.8)	4.3 (1.1)
	1.6 (0.4)	2.3 (0.6)	1.6 (0.4)	2.1 (0.6)	3.2 (0.8)
	62.0 (16.4)	62.0 (16.4)	62.0 (16.4)	62.0 (16.4)	68.0 (18.0)
	15.9	11.3	16.3	11.7	8.8
	20.7	15.1	21.4	15.5	11.5
	27.0	20.0	28.2	20.0	15.8
	38.8	27.0	38.8	29.5	21.3
	12V (55Ah)	12V (55Ah)	12V (55Ah)	12V (55Ah)	12V (55Ah)
	1675 x 780 x 970	1675 x 780 x 970	1675 x 780 x 970	1675 x 780 x 970	1935 x 860 x 995
	(65.9 x 30.7 x 38.2)	(65.9 x 30.7 x 38.2)	(65.9 x 30.7 x 38.2)	(65.9 x 30.7 x 38.2)	(76.2 x 33.9 x 39.2)
	640 (1411)	730 (1609)	640 (1411)	730 (1609)	880 (1940)
	61	63	61	63	64
In case of abnormal: Oil pressure, water temperature, fan belt broken when the side cover and door open with running					



# CONTROL PANEL

## J SERIES

### Single Phase



### Three Phase



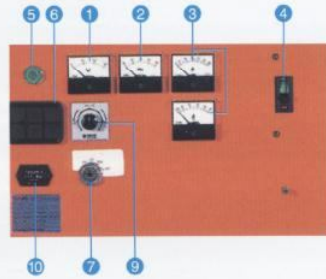
## GL SERIES



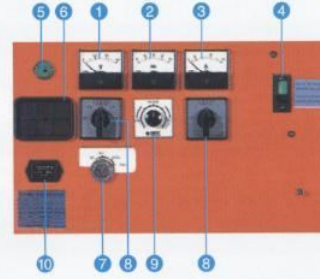
- 1 Hour Meter
- 2 A.C. Voltmeter
- 3 Monitor Lamps
- 4 Key Switch
- 5 Output Terminals
- 6 Circuit Breaker
- 7 Ground Terminal
- 8 Receptacle Protector
- 9 Output Receptacles
- 10 Pilot Lamp

## KJ SERIES

### Single Phase



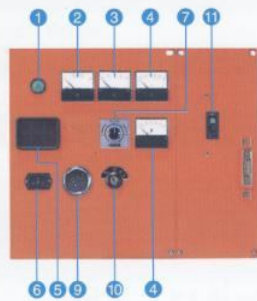
### Three Phase



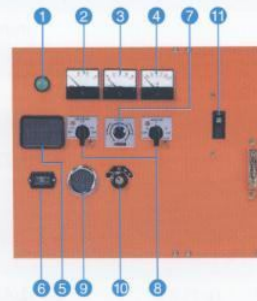
- 1 A.C. Voltmeter
- 2 Frequency Meter
- 3 A.C. Ammeter
- 4 No-Fuse Breaker
- 5 Pilot Lamp
- 6 Monitor Lamps
- 7 Key Switch
- 8 Phase Selector Switch
- 9 Voltmeter Adjuster
- 10 Hour Meter
- 11 Output Terminals

## SQ SERIES

### Single Phase



### Three Phase



- 1 Pilot Lamp
- 2 A.C. Voltmeter
- 3 Frequency Meter
- 4 A.C. Ammeter
- 5 Monitor Lamps
- 6 Hour Meter
- 7 Voltage Adjuster
- 8 Phase Selector Switch
- 9 Fuel Gauge
- 10 Key Switch
- 11 Circuit Breaker

# Kubota