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 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 engineer requirements a customer needs are the results of Kubota engines' comprehensive strength. There's no end to the quest. Challenging spirit is at the core of Kubota technology.
Easy to use anywhere for longer periods of time

1. Easy Maintenance

Easy One-Side Maintenance
All gauges and filters (except for Z482 and D732’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 V1005 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 generators.
Special forklift openings are provided in the base of the machine.

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.

4. ATS

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

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

5. Quiet

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.

6. ATS

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

Removable Cover for Control Panel
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.

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.

6. ATS

Access Terminals for ATS Make Wiring Easy
Access terminals for Automatic Transfer Switches (ATS) are located behind the control panel.
1. Easy Maintenance

Easy 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.

5. ATS

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!

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.

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.

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

### MODEL

<table>
<thead>
<tr>
<th>Model</th>
<th>J107</th>
<th>J110</th>
<th>J114</th>
<th>J119</th>
<th>J313</th>
<th>J324</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>Revolving field, AC generator</td>
<td>Revolving field, AC generator</td>
<td>Revolving field, AC generator</td>
<td>Revolving field, AC generator</td>
<td>Revolving field, AC generator</td>
<td>Revolving field, AC generator</td>
</tr>
<tr>
<td>Frequency (Hz)</td>
<td>60</td>
<td>60</td>
<td>60</td>
<td>60</td>
<td>60</td>
<td>60</td>
</tr>
<tr>
<td>Standby Output (kVA/kW)</td>
<td>7.1 (7.1)</td>
<td>11.0 (11.0)</td>
<td>15.4 (15.4)</td>
<td>20.6 (20.6)</td>
<td>13.7 (11.0)</td>
<td>25.8 (20.6)</td>
</tr>
<tr>
<td>Prime Output (kVA/kW)</td>
<td>6.5 (6.5)</td>
<td>10.0 (10.0)</td>
<td>14.0 (14.0)</td>
<td>18.8 (18.8)</td>
<td>12.5 (10.0)</td>
<td>23.5 (18.8)</td>
</tr>
<tr>
<td>Voltage - Single Phase</td>
<td>110/220</td>
<td>110/220</td>
<td>110/220</td>
<td>110/220</td>
<td>127</td>
<td>127</td>
</tr>
<tr>
<td>Voltage - Three Phase</td>
<td>V</td>
<td>V</td>
<td>V</td>
<td>V</td>
<td>V</td>
<td>V</td>
</tr>
<tr>
<td>Armature Connection</td>
<td>Series</td>
<td>Series</td>
<td>Series</td>
<td>Series</td>
<td>Star</td>
<td>Star</td>
</tr>
<tr>
<td>Phase/Wire</td>
<td>1/3</td>
<td>1/3</td>
<td>1/4</td>
<td>1/4</td>
<td>3/4</td>
<td>3/4</td>
</tr>
<tr>
<td>Power Factor</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>80</td>
<td>80</td>
</tr>
<tr>
<td>Number of Poles</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Insulation Class</td>
<td>Rotor coil; class F, Stator coil; class B</td>
<td>Rotor coil; class F, Stator coil; class B</td>
<td>Rotor coil; class F, Stator coil; class B</td>
<td>Rotor coil; class F, Stator coil; class B</td>
<td>Rotor coil; class F, Stator coil; class B</td>
<td>Rotor coil; class F, Stator coil; class B</td>
</tr>
<tr>
<td>Voltage Regulation</td>
<td>7.0 (No load to full load)</td>
<td>8.0 (No load to full load)</td>
<td>8.0 (No load to full load)</td>
<td>8.0 (No load to full load)</td>
<td>8.0 (No load to full load)</td>
<td>8.0 (No load to full load)</td>
</tr>
<tr>
<td>Type of Coupling</td>
<td>Direct coupled</td>
<td>Direct coupled</td>
<td>Direct coupled</td>
<td>Direct coupled</td>
<td>Direct coupled</td>
<td>Direct coupled</td>
</tr>
</tbody>
</table>

### AMPs

| Single Phase 110V | A | 59.1 | 90.9 | 63.6 x 2 | 85.5 x 2 | - | - |
| Single Phase 127V | A | - | - | - | - | 19.7 x 3 | 37.0 x 3 |
| Single Phase 220V | A | 29.5 | 45.5 | 63.6 | 85.5 | - | - |
| Single Phase 240V | A | - | - | - | - | - | - |
| Three Phase 220V | A | - | - | - | - | 32.6 | 61.7 |
| Three Phase 380V | A | - | - | - | - | - | - |
| Three Phase 415V | A | - | - | - | - | - | - |

### DIESEL ENGINE

<table>
<thead>
<tr>
<th>Type</th>
<th>Vertical 4-cycle liquid cooled diesel engine</th>
<th>Vertical 4-cycle liquid cooled diesel engine</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>Z482</td>
<td>D722</td>
</tr>
<tr>
<td>Number of Cylinders</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Bore x Stroke (mm/in)</td>
<td>67.0 x 68.0 (2.64 x 2.68)</td>
<td>67.0 x 68.0 (2.64 x 2.68)</td>
</tr>
<tr>
<td>Displacement (L/cu.in.)</td>
<td>0.479 (29.2)</td>
<td>0.719 (43.9)</td>
</tr>
<tr>
<td>Engine Speed (rpm)</td>
<td>3600</td>
<td>3600</td>
</tr>
<tr>
<td>Continuous Rated Output (kW/HP)</td>
<td>8.2 (11)</td>
<td>12.3 (16.5)</td>
</tr>
<tr>
<td>Lubricant (API classification)</td>
<td>Above CF grade</td>
<td>Above CF grade</td>
</tr>
<tr>
<td>Coolant Capacity (L/qts)</td>
<td>2.0 (2.4)</td>
<td>3.4 (3.8)</td>
</tr>
<tr>
<td>Starting System</td>
<td>Electric - 12 volt DC</td>
<td>Electric - 12 volt DC</td>
</tr>
</tbody>
</table>

### SET

<table>
<thead>
<tr>
<th>Fuel</th>
<th>Diesel Fuel No.2 (ASTM D975)</th>
<th>Diesel Fuel No.2 (ASTM D975)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel Consumption at Full Load (L/h)</td>
<td>2.7 (0.71)</td>
<td>4.2 (1.1)</td>
</tr>
<tr>
<td>Fuel Consumption at 3/4 Load (L/h)</td>
<td>2.2 (0.58)</td>
<td>3.4 (0.90)</td>
</tr>
<tr>
<td>Fuel Consumption at 1/2 Load (L/h)</td>
<td>1.8 (0.47)</td>
<td>2.8 (0.74)</td>
</tr>
<tr>
<td>Fuel Consumption at 1/4 Load (L/h)</td>
<td>1.5 (0.40)</td>
<td>2.3 (0.61)</td>
</tr>
<tr>
<td>Fuel Tank Capacity (L/gal)</td>
<td>37.0 (9.77)</td>
<td>37.0 (9.77)</td>
</tr>
</tbody>
</table>

### Dimensions

<table>
<thead>
<tr>
<th>Dimensions L x W x H (mm)</th>
<th>923 x 593 x 860</th>
<th>995 x 593 x 860</th>
<th>1215 x 611 x 922</th>
<th>1300 x 611 x 922</th>
<th>995 x 593 x 860</th>
<th>1300 x 611 x 922</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions L x W x H (in)</td>
<td>36.3 x 23.4 x 33.9</td>
<td>38.2 x 23.4 x 33.9</td>
<td>47.83 x 24.1 x 36.3</td>
<td>51.18 x 24.1 x 36.3</td>
<td>39.2 x 25.4 x 33.9</td>
<td>51.18 x 24.1 x 36.3</td>
</tr>
</tbody>
</table>

### Weight

| Approximate Net Weight (kg/Us) | 226 (496) | 255 (562) | 340 (750) | 380 (838) | 255 (562) | 380 (838) |

### Emergency Stop System

| Emergency Stop System | 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 | In case of abnormal: Oil pressure, water temperature, fan belt broken | In case of abnormal: Oil pressure, water temperature | In case of abnormal: Oil pressure, water temperature, fan belt broken |
## SPECIFICATIONS

### Electric - 12 volt DC

#### General
- **Type**: Resolving field, brushless AC generator
- **Frequency**: 60 Hz
- **Starting System**: Electric - 12 volt DC

#### Specifications
- **Lubricant (API classification)**: Above CF grade
- **Engine Speed (rpm)**: 3600
- **Bore x Stroke (mm/in)**:
  - 5-15R: 67.0 x 68.0 (2.64 x 2.68)
  - 6-15R: 67.0 x 68.0 (2.64 x 2.68)
  - 5-30R: 87.0 x 92.4 (3.43 x 3.64)
  - 6-30R: 87.0 x 92.4 (3.43 x 3.64)
  - 5-20R: 87.0 x 102.4 (3.43 x 4.03)
  - 6-20R: 98.0 x 110.0 (3.86 x 4.33)
- **Sound Level (Full load at 23 ft (7m)) dB (A)**: 66.0
- **Terminal**: Available
- **Type of Coupling**: Direct coupled
- **Prime Output (kVA/kW)**:
  - GL7000: 6.5 (6.5)
  - GL11000: 10.0 (10.0)
  - SQ-14: 12.5 (12.5)
  - SQ-20: 23.7 (31.8)
  - SQ-265W: 20.6 (26.0)
  - SQ-335W: 33.1 (40.1)
- **Frequency**: 60 Hz
- **Voltage - Single Phase**: 120/240
- **Voltage - Three Phase**: 120/240
- **Armature Connection**: Series
- **Phase/Wire**: 1/4
- **Phase Factor**: 100%
- **Number of Poles**: 2
- **Insulation**: Class H
- **Voltage Regulation %**: 3.5 (No load to full load)

### Model

#### Model: GL7000
- **Displacement (L/cu.in.)**: 0.479 (29.2)
- **Operation Hours at 1/2 Load**: 13.3
- **Continuous Net Weight (kg/lbs)**: 235 (518)
- **Dimensions L x W x H**: 41.97 x 24.3 x 27.5

#### Model: GL7000TM
- **Displacement (L/cu.in.)**: 0.719 (43.9)
- **Operation Hours at 1/2 Load**: 12.6
- **Continuous Net Weight (kg/lbs)**: 295 (650)
- **Dimensions L x W x H**: 50.43 x 24.3 x 27.5

#### Model: GL11000
- **Displacement (L/cu.in.)**: 1.647 (100.5)
- **Operation Hours at 1/2 Load**: 12.5
- **Continuous Net Weight (kg/lbs)**: 530 (1168)
- **Dimensions L x W x H**: 56.26 x 30.7 x 38.2

#### Model: GL11000TM
- **Displacement (L/cu.in.)**: 2.197 (134.1)
- **Operation Hours at 1/2 Load**: 12.4
- **Continuous Net Weight (kg/lbs)**: 580 (1279)
- **Dimensions L x W x H**: 61.85 x 30.7 x 38.2

### Notes
- Specifications and dimensions are subject to change without prior notice.