

KUBOTA J SERIES DIESEL ENGINE GENERATORS



Made With You In Mind

Output Range: (Single Phase) 8.0kW ~ 12.0kW

(Three Phase) 10.0kVA (8.0kW)



ISO 9002 Certified KUBOTA ENGINE PLANTS - SAKAI/TSUKUBA/SAKAI-RINKAI-
Have also received the German D&R Certification.

Designed to Answer Your Needs

Ease of Operation

Compact Design

The advanced design and superior engineering of the J Series has produced a unit with a smaller cabinet size, making it suitable for a wide range of applications where space is a criteria.

High Output

Due to the engine's vertical design, this direct coupled 2-pole series is capable of producing high output.

Front Panel Control

Key switch, voltage meter, circuit breaker, and warning lamps are all conveniently gathered on a drip proof control panel.



Large Capacity Fuel Tank

The larger capacity fuel tank enables longer periods of continuous operation on a single tank of fuel.

Enhanced Transportability

A 1-point lifting eye and special forklift openings enhance transportability.

Easy Maintenance

Dual Element Air Filter

The dual element air filter withstands heavy duty use and provides extra protection when operating in dusty environments.



Access Terminals for Easy Wiring with AMF Panel or ATS

New access terminals are provided for easy wiring with the automatic start/stop system. These terminals are also for the AMF panel and the Automatic Transfer Switch, provided separately by the user.



Dependable Power

Transistor Automatic Voltage Regulator (AVR)

The J Series uses a transistor AVR to ensure a stable power supply for a wide variety of applications.

A Skewed Rotor & Damper Winding

The waveform distortion is kept to a minimum by the skewed rotor. The damper winding protects the generator during short circuits, regulates voltage fluctuations during condensive loads, and withstands load fluctuations during condensive and non-linear loads.

Increased Safety

Emergency Unit

The engine will shut down automatically in the event of loss of oil pressure, increased temperature or fan belt breakage.*

* Fanbelt accident prevention is only applicable to the J112 model.

Specifications

| Model | 50 Hz | | |
|-------|--------------|------|---------|
| | Single Phase | | 3 Phase |
| | J108 | J112 | J310 |

Output Power

| Standby Output | KVA (KW) | 8.8 (8.8) | 13.2 (13.2) | 11 (8.8) | |
|----------------|--------------|-----------|-------------|----------|---------|
| Prime Output | KVA (KW) | 8 (8) | 12 (12) | 10 (8) | |
| Voltage | Single phase | V | 240 | 240 | 240 |
| | Three phase | | - | - | 415 |
| Rated Amperage | Single phase | A | 33.3 | 50.0 | 8.3 x 3 |
| | Three phase | | - | - | 13.9 |

Generator

| | | | |
|------------------|--|------|-----|
| Design | Revolving-field, self/separated excited type AVR generator | | |
| No. of poles | 2-pole | | |
| Generator | RPM | 3000 | |
| Frequency | Hz | 50 | |
| Power Factor | | 1.0 | 0.8 |
| Insulation | Rotor coil; Class F, Stator coil; Class B | | |
| Type of Coupling | Direct coupling | | |

Diesel Engine

| Kubota Engine Model | D722 | D1005 | D722 | |
|--------------------------|-------------------------------------|-----------|------------|-----------|
| Design | 4-cycle Water cooled diesel engine | | | |
| Starting system | Electric - 12 volt DC | | | |
| Displacement | CC | 719 | 1001 | 719 |
| No. of Cylinders | | 3 | 3 | 3 |
| Bore x Stroke | mm | 67 x 68 | 76 x 73.6 | 67 x 68 |
| Lubricating Oil | API Service Class CD, CE, CF, 10W30 | | | |
| Lubricating Oil Capacity | litre (U.S. qts) | 3.4 (3.6) | 4.3 (4.54) | 3.4 (3.6) |
| Coolant Capacity | litre (U.S. qts) | 3 (3.17) | 3.3 (3.49) | 3 (3.17) |

Set

| Fuel | Diesel fuel No.2 (ASTM D975) | | | | |
|--------------------------------|------------------------------|-------------------|------------------|-------------------|-------------|
| Fuel Tank Capacity | litre (U.S. gal) | 37 (9.77) | 79 (20.87) | 37 (9.77) | |
| Fuel Consumption | at Full Load | L/h (g/h) | 3.15 (1.57) | 4.5 (2.24) | 3.15 (1.57) |
| | at 3/4 Load | L/h (g/h) | 2.63 (1.31) | 3.78 (1.88) | 2.63 (1.31) |
| | at 1/2 Load | L/h (g/h) | 2.18 (1.08) | 2.88 (1.43) | 2.18 (1.08) |
| Continuous Operating | at Full Load | hours | 11.5 | 17 | 11.5 |
| | at 3/4 Load | hours | 13.5 | 20 | 13.5 |
| | at 1/2 Load | hours | 16.5 | 26.5 | 16.5 |
| Battery | V-Ah/20Hr | 12V-45Ah | 12V-65Ah | 12V-45Ah | |
| Type of Stop Solenoid | | Energised-to-Stop | Energised-to-Run | Energised-to-Stop | |
| Sound Level | | | | | |
| Full Load at 7 meter (23 feet) | dB(A) | 75.0 | 76.5 | 75.0 | |
| L X W X H W/O CASTER | L | mm (inch) | 995 (39.2) | 1215 (47.9) | 995 (39.2) |
| | W | mm (inch) | 593 (23.4) | 611 (24.1) | 593 (23.4) |
| | H | mm (inch) | 860 (33.9) | 922 (36.3) | 860 (33.9) |
| Approx. Dry Net Weight | kg (lb.) | 255 (562) | 340 (750) | 255 (562) | |