

# 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 DAR 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)         |             |