

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.

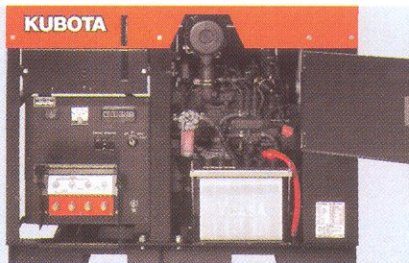
Enhanced Transportability

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

Easy Maintenance

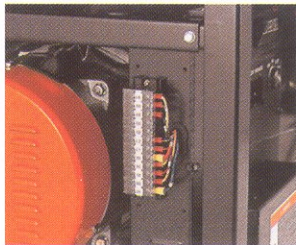
Dual Element Air Filter

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
	Three phase		-	-
Rated Amperage	Single phase	A	33.3	50.0
	Three phase		-	-

Generator

Design	Revolving-field, self/separated excited type AVR generator		
No. of poles	2-pole		
Generator RPM	3000		
Frequency	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
No. of Cylinders		3	3
Bore x Stroke	mm	67 x 68	76 x 73.6
Lubricating Oil	API Service Class CD, CE, CF, 10W30		
Lubricating Oil Capacity	litre (U.S. qts)	3.4 (3.6)	4.3 (4.54)
Coolant Capacity	litre (U.S. qts)	3 (3.17)	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)
	at 3/4 Load	L/h (g/h)	2.63 (1.31)	3.78 (1.88)
	at 1/2 Load	L/h (g/h)	2.18 (1.08)	2.88 (1.43)
Continuous Operating	at Full Load	hours	11.5	17
	at 3/4 Load	hours	13.5	20
	at 1/2 Load	hours	16.5	26.5
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)
	W	mm (inch)	593 (23.4)	611 (24.1)
	H	mm (inch)	860 (33.9)	922 (36.3)
Approx. Dry Net Weight	kg (lb.)	255 (562)	340 (750)	255 (562)

