

# shindaiwa®

# RealDual® 400



## Field of Application

- ★ Construction
- ★ Civil Engineering
- ★ Rental
- ★ Mining
- ★ Pipeline
- ★ Offshore
- ★ Fabrication
- ★ Rail Road
- ★ Service Truck
- ★ Maintenance
- ★ Repair
- ★ Farming

★ Excellent ★ Good

## Welding Process

- CC Mode
- ★ Standard Rod
- ★ Cellulose Rod
- ★ Scratch TIG
- Gouging up to 6.5mm

★ Excellent ★ Good • Standard

## Specification

### Welding DC Generator (50Hz)

	ECO / Single	Dual
Rated Current	370A	180A
Rated Voltage	34.8 V	27.2 V
Duty Cycle	60%	100%
Current Adj. Range	95-390 A	50-200 A
Welding Rod Capacity	Φ2.6-8.0mm	Φ2.0-4.0mm
Gouging	Φ3.2-8.0mm	Φ3.2-5.0mm
No Load Voltage (OCV)	MAX85V	

### AC Generator

Rated Frequency	50 Hz	
Phase Options	Single Phase	3-Phase
Rated Output	9.6kVA	12kVA
Rated Voltage	230V	400V
Power Factor	1.0	0.8
Receptacles	15A X 3	20A X 1

### Dimensions

Overall Dimensions	(L)1457 x (W)635 x (H)778mm
Dry Weight	430kg

### Noise Level

Lowest @7m/idle	58db(A)
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## Engine



Powered by	Model	Kubota D902	Rated Output (kW/min-1)	15.0 / 3000
	Engine Type	Vertical, Water-cooled, 4 cycle diesel	Fuel Tank Capacity	37 L
	Displacement	0.898 L		

## Definition of the icons

- REALDUAL Welding Mode
- Optimize the engine rotation speed in proportion to the output voltage
- Max open circuit voltage
- Containment to prevent leakage of fuel and oil
- Voltage regulation device
- Sound level with ECO mode on
- 2 connection of welding remote control

DGW400DMC-400

Control Panel



AC OUTPUT PANEL



- |                               |  |                               |
|-------------------------------|--|-------------------------------|
| 1. AC Voltage Adjustment Dial | 14. Remote Control Connector             | 26. 1-P Receptacle x 3        |
| 2. AC Meter                   | 15. VRD Button                           | 27. 3-P Receptacle            |
| 3. VRD Lamp                   | 16. Single/Dual Selector                 | 28. Bonnet Grounding Terminal |
| 4. DC Meter                   | 17. Output Control Dial                  |                               |
| 5. ECO Lamp                   | 18. Weld Mode Selector                   |                               |
| 6. Actual Lamp                | 19. 1-P Breaker                          |                               |
| 7. Preset Lamp                | 20. 3-P Breaker                          |                               |
| 8. Frequency Lamp             | 21. Earth Leakage Circuit Breaker (ELGB) |                               |
| 9. Monitor Lamp               | 22. Mail Breaker                         |                               |
| 10. Fuel Meter                | 23. AC Meter Selector                    |                               |
| 11. Idle Control Switch       | 24. Weld Terminals A                     |                               |
| 12. Hour Meter                | 25. Weld Terminals B                     |                               |
| 13. Starter Switch            |  |                               |

**RealDual® WELDING MODE**



Shindaiwa's alternator is unique in coil winding. Welding power A, B, and AC generator are respectively driven by each coil winding. This feature ensures that each welding outputs has no electrical interference.

**ECO MODE**



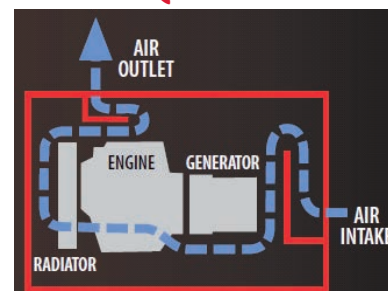
The engine speed optimization function enables the engine to operate at an optimal speed corresponding to the weld output, thereby reducing noise, exhaust gas emission, and saving fuel consumption.

**ROBUST ALTERNATOR**



Special varnished reliable Shindaiwa's alternator, offers robust features of protection against sand gravel, dust, and extreme hot weather condition.

**SUPER QUIET**



Thanks to skillfully designed airflow, the equipment achieves Super Quiet operation. This means that the working unit does not interrupt conversation between operators.