

shindaiwa®

RealDual® 400



Field of Application

- ★ Pipe Line
- ★ Construction
- ★ Civil Engineering
- ★ Rental
- ★ Offshore
- ★ Fabrication
- ★ Mining
- ★ Rail Road
- ★ Service Truck
- ★ Maintenance and Repair

Welding Process

- CC Mode
- ★ Standard Rod
- ★ Cellulose Rod
- ★ Scratch TIG
- Gouging up to 8.0mm
- CV Mode
- ★ Flux-cored Wire

Specification

Welding DC Generator

CC Droop	Single	Dual
Rated Current (A)	370/390	180/200
Rated Voltage (V)	34.8/35.6	27.2/28.0
Duty Cycle (%)	60	100
Current Adj. Range (A)	95-390 / 110-400	50-200 / 60-210
Welding Rod Capacity (mm)	Φ2.6-8.0	Φ2.0-4.0
Gouging Rod (mm)	Φ3.2-8.0	Φ3.2-5.0

AC Generator

Rated Frequency (Hz)	50	60
Rated Speed (min ⁻¹)	3000	3600
Phase	1-Phase	
Rated Output (kVA)	3.3 - 3.5	
Rated Voltage (V)	110 / 115	
Power Factor	1.0	

Dimensions

Overall Dimensions (mm)	(L)1435 x (W)700 x (H)848
Dry Weight (kg)	453

CV	Single	Dual
Rated Current (A)	330 / 340	180 / 200
Rated Voltage (V)	31.5 / 32.0	20.0 / 21.0
Duty Cycle (%)	100	100
Current Adj. Range (A)	14-34.5 / 14.5-35.0	14-21.0 / 14.5-23.5
Wire Size (mm)	0.6-2.0	0.6-1.6

No Load Voltage (OCV)	MAX85V
-----------------------	--------

Engine

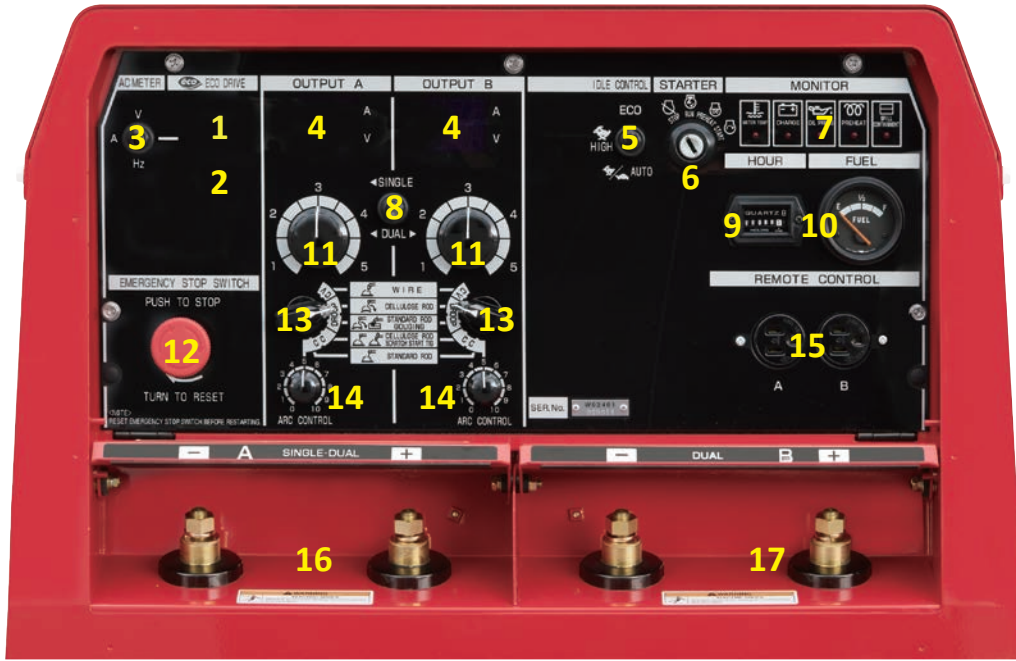
Powered by	Model	Kubota D902	Rated Output (kW/min ⁻¹)	15.0 / 3,000	17.6 / 3,600
	Engine Type	Vertical, Water-cooled, 4 cycle diesel	Fuel Tank Capacity (L)	37	
	Displacement (L)	0.898			

Definition of the icons

- REALDUAL Welding Mode
- Optimize the engine rotation speed in proportion to the output voltage
- CC/CV Welding Mode
- Preset welding current
- Adjust arc strength between soft and crisp
- Containment to prevent leakage of fuel and oil
- Stop engine immediately
- Max open circuit voltage

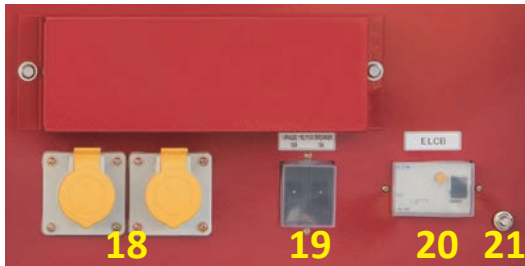
DGW400DMK-SI

Control Panel



1. ECO Mode Display
2. AC Meter
3. AC Meter Selector
4. DC Meter
5. Idle Control Switch
6. Starter Switch
7. Monitor Lamp
8. Single/Dual Selector
9. Hour Meter
10. Fuel Meter
11. Output Control Dial
12. Emergency Stop Switch
13. Weld Mode Selector
14. Arc Control Dial
15. Remote Control Receptacles
16. Weld Terminals A
17. Weld Terminals B

AC OUTPUT PANEL



18. 1-Phase 110/115 Receptacle
19. 1-Phase 110/115V Breaker
20. Earth Leakage Circuit Breaker (ELCB)
21. Bonnet Grounding Terminal

Product Features

SPILL CONTAINMENT/RAIN WATER PROTECTION

Our design is more responsive to protect nature. New features are incorporated to follow environmental regulations.

- A factory-equipped spill containment, keeps fuel, oil, and coolant inside to avoid discharging to the ground.
- An unique ventilation hole will guide trapped rain water outside the spill containment and drain it separately.



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.

EMERGENCY STOP



You can stop the engine immediately in emergency conditions to avert hazardous situations.

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.