

shindaiwa®

RealDual® 400



Field of Application

Excellent ★ Good

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

Welding Process

★ Excellent ★ Good • Standard

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

Specification

Welding DC Generator (50Hz)

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

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

AC Generator

	1-Phase	3-Phase
Rated Current (A)	9.6	12.0
Rated Voltage (V)	220	380
Power Factor	1.0	

Dimensions

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

Noise Level

Lowest @7m/idle (A)	64dB
No Load Voltage (OCV)(V)	MAX85

Engine

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

Definition of the icons



REALDUAL Welding Mode



CC/CV Welding Mode



Max open circuit voltage



Containment to prevent leakage of fuel and oil



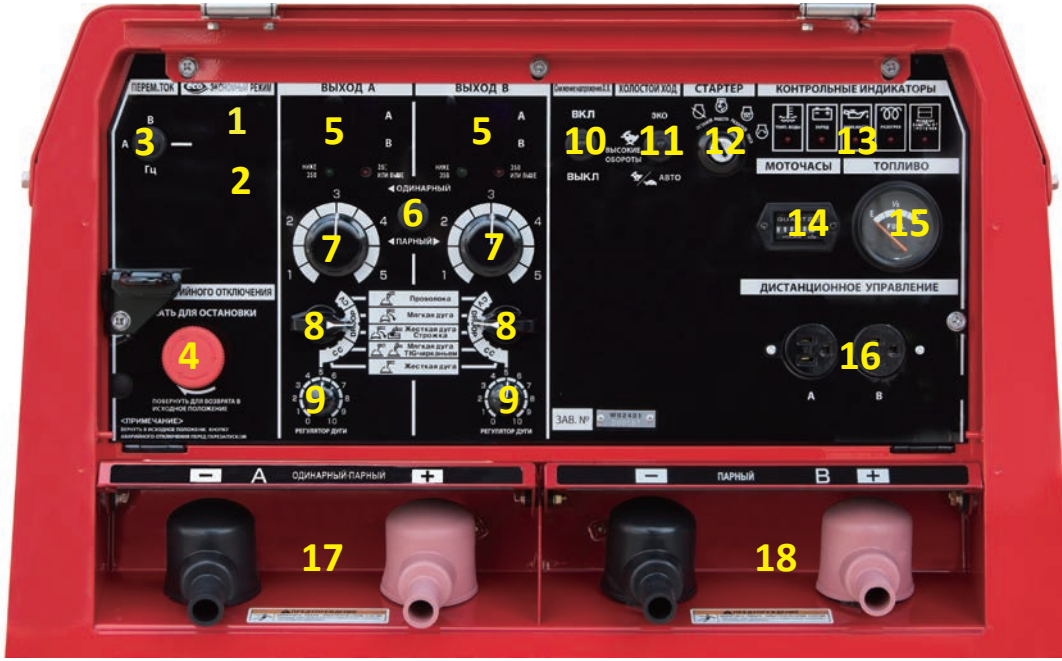
Voltage regulation device



CC/CV/Droop Welding mode selector

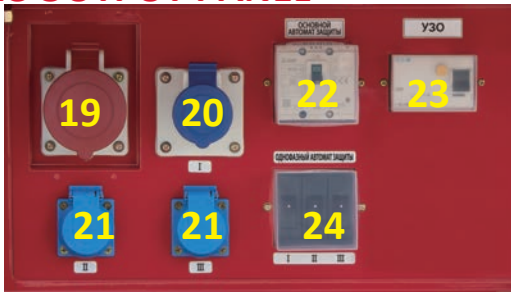
DGW400DMK/UKR

Control Panel



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

AC OUTPUT PANEL



19. 3-Phase 380V Receptacle (IP44)
20. 1-Phase 220V Receptacle (IP44)
21. 1-Phase 220V Receptacles
22. Main Circuit Breaker (3P/1P)
23. Earth Leakage Circuit Breaker
24. 1-Phase Circuit Breaker (I, II, III)

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.



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 fuel consumption.



ROBUST ALTERNATOR



Shindaiwa's alternator is covered by special varnish, and is protected against corrosion caused by water or high humidity.

EXTRA PROTECTION

Control panel and welding output terminals are covered for protection of these equipments from harsh environments such as ultraviolet ray, dust, or snow, etc.

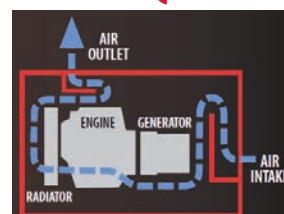


RealDual® WELDING MODE



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

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.