

WELDING GENERATOR



Technical Specifications

BRAND & MODEL	SHINDAIWA DGW400DMK-S2V	
WELDING DC GENERATOR		
Operation (50 / 60Hz)	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 Range (mm)	Ø2.6– 8.0	Ø2.0 – 4.0
No Load Voltage	Max 85V	
AC AUXILIARY GENERATOR		
Frequency (Hz)	50 / 60	
Rated Speed (rpm)	3000 / 3600	
Phase	1-Phase	
Rated Current (A) (x Industrial Sockets)	15 x 2	15 x 2
Rated Voltage (V)	110 / 115	230 / 240
Power Factor	1.0	
Rated Output (kVA)	3.3 / 3.5	6.9 / 7.2
ENGINE		
Model	KUBOTA D902	
Engine Type	Vertical, Water Cooled, 4 Cycle Diesel	
Displacement (L)	0.898	
Rated Output (kW/min ⁻¹)	15.0/3000 / 17.6/3600	
Fuel	Diesel ASTM No.2 or equivalent	
Fuel Tank Capacity (L)	37	
Engine Oil Capacity (L)	3.6 (Effective 1.7)	
Coolant Capacity (L)	4.0 (Includes 0.6L in sub-tank)	
Sound Level @ 7m (No Load)	58dB(A)	
UNIT		
Dimensions (L x W x H mm)	1457 x 700 x 848	
Dry Weight (kg)	453	



RealDual 400

For multi process welding

Field of Application

★★ Excellent ★ Good

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

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 Model: DGW400DMK-S1

CC Droop	Single	Dual
Rated Current	370/390A	180/200A
Rated Voltage	34.8/35.5V	27.2/28.0V
Duty Cycle	60%	100%
Current Adj. Range	95-390/110-400A	50-200/60-210

CV	Single	Dual
Rated Current	330/340A	180/200A
Rated Voltage	31.5/32.0V	20.0/21.0V
Voltage Adj. Range	14-34.5/14.5-35A	14-21/14.5-23.5
No Load Voltage (OCV)	Max 85V	

AC Generator

Rated Frequency	50/60Hz	
Rated Output	3.3/3.5kVA	6.9/7.2kVA
Rated Voltage/Single Phase	110/115V	230/240V
Power Factor	1.0	

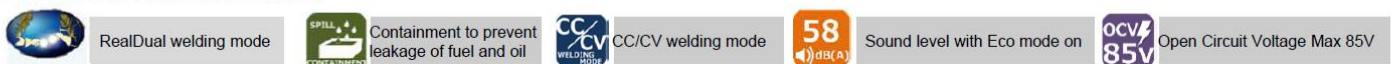
Dimensions

Overall Dimensions (mm)	(L)1,435 X (W)700 X (H) 848
Dry Weight	453Kg

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	37 Liters	
	Displacement	0.898 Liter			

Definitions of the icons



Control Panel



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

AC Output Panel



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| 18. 1-P 230/240V Receptacle |
| 19. 1-P 110/115V Receptacle |
| 20. 1-P 230/240V Breaker |
| 21. 1-P 110/115V Breaker |
| 22. Earth Leakage Circuit Breaker (ELCB) |
| 23. Bonnet Grounding Terminal |

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.

Robust Alternator



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

ECO Mode



Eco mode optimizes welding performance at a minimal engine rotating speed (2100rpm), resulting in;

- Reduction of fuel consumption by about 30%
- Lower noise level (58dBA)

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.

Dual Welding



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

Enhanced Safety



Temperature sensors are monitoring components' operation to protect the alternator from harsh condition.