

# shindaiwa®

# DGW310MC-220



## Field of Application

★★ Excellent ★ Good

- ★★ Construction
- ★★ Fabrication
- ★★ Service Truck
- ★★ Maintenance
- ★★ Repair
- ★★ Farm
- ★★ Civil Engineering
- ★★ Rental
- ★ Piping
- ★ Mining
- ★ Railroad
- ★ Offshore

## Welding Process

★★ Excellent ★ Good • Standard

CC Mode: ★ Standard Rod • Cellulose Rod



## Specification

### Welding DC Generator (50/60HZ)

	CC Single	CC ECO
Rated Current	260A/280A (100% Duty Cycle)	
Rated Voltage	30.4/31.2 V	
Current Adj. Range	35-280/45-310 A	30-160 A
No Load Voltage (OCV)	Max 85V	

### Dimensions

Overall Dimensions (mm)	(L)1,410 X (W)566 X (H) 760
Dry Weight (kg)	333

### AC Generator

Rated Frequency	50/60Hz	
Phase Options	Single Phase	3-Phase
Rated Output	8.0 kVA	9.9 kVA
Rated Voltage	100/110V, 200/220V	200/220V
Power Factor	1.0	0.8
Receptacles	15A×2	Terminal lug

### Noise Level

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

Powered by	Model	Kubota D722	Rated Output (kW/min-1)	14.0/3600rpm (Gross Intermittent)
	Engine Type	Vertical, Water-cooled, 4 Cycle Diesel	Fuel Tank Capacity	37 Liters
	Displacement	0.719 Liter		

### Definitions of the icons

CC and ECO welding mode
 Open circuit voltage Max 85V
 1 connection of welding remote control

Optimize the engine rotation speed in proportion to the output voltage

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# DGW310MC-220

## Control Panel



1. Serial Number
2. Current Adjustment
3. Monitor Lamp
4. Fuel Meter
5. Slow Down Switch
6. Starter Switch
7. Breaker
8. Output Selector
9. Voltage/Hour/Speed meter
10. Frequency Change Switch
11. AC 100/110V Receptacle
12. Remote Control Receptacle (covered by the plate)
13. 3-P/1-P Output Terminal
14. Welding Terminal
15. Single/Dual Selector Switch

## Features

### ■ Small and Compact



The extremely compact unit offers maximized efficiency in storage and more carrying capacity on a service truck as it requires less space.

### ■ Large Check Doors



Each engine check door on both right and left side opens widely upward and helps to increase work efficiency in visual inspection. The unit also has a front door to facilitate the maintenance of the alternator.

### ■ Eco Mode



Eco mode fits perfectly to welding jobs performed between 30 and 160 Amp (with a welding rod between  $\Phi$  2.0 and  $\Phi$  4.0). The engine rotation speed is reduced down to 2,200 rpm when eco mode is applied, achieving 20-30% of fuel cost reduction with minimizing noise to 58 dB(A).

### ■ Robust Alternator



Triple-varnish, standard spec for Shindaiwa's alternator for export, offers robust features of protection against sand gravel, dust, rodent, and burnout including layer short