# Shindaiwa® DGW310MC-220



# **Field of Application**

Excellent

Good

Standard

★ Construction

★ Civil Engineering

**\*\*** Fabrication

\* Rental

★ Service Truck ★ Maintenance **†** Piping

Mining

★ Repair ★ Railroad ★ Farm → Offshore

→Good

Welding Process

★ Standard Rod · Cellulose Rod





Excellent







# **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

# 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

## Dimensions

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

### Noise Level

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

# **Engine**

Powered by Kubota

Model

Vertical, Water-cooled, 4 Cycle Diesel

**Fuel Tank Capacity** 

Rated Output (kW/min-1) 14.0/3600rpm (Gross Intermittent)

**Engine Type** Displacement 0.719 Liter

37 Liters

■ Definitions of the icons



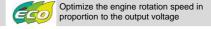
CC and ECO welding mode



Open circuit voltage Max 85V



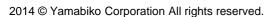
1 connection of welding remote control







ISO 9001



# DGW3IOMC-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

# -YAMABIKO CORPORATION

