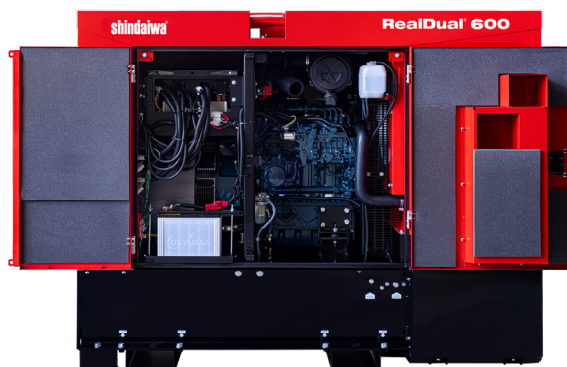


# Diesel Engine Generator & Welder

shindaiwa®



## DGW600DM-D4V



## SPECIFICATIONS

(50 / 60Hz)

| Model             |                                  |                          |               | DGW600DM-D4V    |             |
|-------------------|----------------------------------|--------------------------|---------------|-----------------|-------------|
| Generating Method |                                  |                          |               | Rotating Field  |             |
| Welding Generator | Operation                        |                          |               | Single          | Dual        |
|                   | CC Droop                         | Rated Current (A)        |               | 570             | 300         |
|                   |                                  | Rated Voltage (V)        |               | 42.8            | 32.0        |
|                   |                                  | Duty Cycle (%)           |               | 60              | 100         |
|                   |                                  | Current Adj. Range (A)   |               | 30 - 600        | 30 - 340    |
|                   |                                  | Welding Rod (Φ)          |               | 2.0 - 8.0       | 2.0 - 6.0   |
|                   |                                  | Gouging Rod (Φ)          |               | 3.2 - 11.0      | 3.2 - 8.0   |
|                   | CV                               | Rated Current (A)        |               | 520             | 300         |
|                   |                                  | Rated Voltage (V)        |               | 40.8            | 28.0        |
|                   |                                  | Duty Cycle (%)           |               | 100             | 100         |
|                   |                                  | (Current Adj. Range (A)) |               | (60 - 600)      | (60 - 340)  |
|                   |                                  | Voltage Adj. Range (V)   |               | 14 - 44         | 14 - 32     |
|                   |                                  | Welding                  | MIG/MAG       | 0.6 - 1.2       | 0.6 - 1.2   |
|                   |                                  | Wire (Φ)                 | Self-shielded | 0.9 - 2.4       | 0.9 - 2.4   |
|                   | Rated Speed (min <sup>-1</sup> ) |                          |               | 1500 / 1800     |             |
|                   | No Load Voltage (V)              |                          |               | MAX 85          |             |
| AC Generator      | Rated Frequency (Hz)             |                          |               | 50 / 60         |             |
|                   | Rated Speed (min <sup>-1</sup> ) |                          |               | 1500 / 1800     |             |
|                   | Phase                            |                          |               | 1 Phase         | 3 Phase     |
|                   | Rated Voltage (V)                |                          |               | 220 / 240       | 380 / 415   |
|                   | Rated Current (A)                |                          |               | 14.5Ax1 / 15Ax1 | 27.3A / 30A |
|                   | Rated Output (kVA)               |                          |               | 3.2 / 3.6       | 18.0 / 21.5 |
|                   | Power Factor                     |                          |               | 1.0             | 0.8         |
|                   | Rating                           |                          |               | Continuous      |             |

Powered by

Kubota

(50 / 60Hz)

3571

507 6012

| Model                                                                        |                                      | DGW600DM-D4V                                 |
|------------------------------------------------------------------------------|--------------------------------------|----------------------------------------------|
| Engine                                                                       | Model                                | Kubota V3600-T                               |
|                                                                              | Type                                 | Vertical, Water-Cooled 4-Cycle Diesel Engine |
|                                                                              | Displacement (L)                     | 3.620                                        |
|                                                                              | Rated Output (kW/min <sup>-1</sup> ) | 39.4 / 1500    44.9 / 1800                   |
|                                                                              | Fuel                                 | ASTM No.2-D Fuel or Equivalent               |
|                                                                              | Fuel Tank Capacity (L)               | 105                                          |
|                                                                              | Lubricant Oil                        | API Class CF or better (CJ excluded)         |
|                                                                              | Lubrication Oil Volume (L)           | 13.2 (Effective 4.4)                         |
|                                                                              | Cooling Water Volume (L)             | 12.0<br>(Sub Tank Capacity 1.1 L included)   |
|                                                                              | Starting Motor Capacity (V - kW)     | 12 - 3.0                                     |
|                                                                              | Charging Alternator Capacity (V - W) | 12 - 360                                     |
|                                                                              | Battery Capacity (V - W)             | 12 - 55 (80D26R)                             |
| Fuel Consumption (L/hr@60%)                                                  |                                      | 5.8@570A / 6.0@570A                          |
| Sound Level(dB(A))<br>7m Distance, No Load,<br>Low / High(50Hz) / High(60Hz) |                                      | 54 / 59 / 62                                 |
| Dimension                                                                    | Length (mm)                          | 1900                                         |
|                                                                              | Width (mm)                           | 950                                          |
|                                                                              | Height (mm)                          | 1515                                         |
| Dry Weight (kg)                                                              |                                      | 1164                                         |
| Net Weight (kg)                                                              |                                      | 1284                                         |

IPEPN-20250502S

# Diesel Engine Generator & Welder

## DGW600DM-D4V

shindaiwa®

### CONTROL PANEL



1. Weld Terminal Switch
2. Wire Feeder Voltmeter Selector
3. Circuit Protector for Wire Feeder
4. 14-Pin Connector
5. 9-Pin Connector
6. DC Meter
7. VRD Lamp
8. Output Control Dial
9. Weld Mode Selector
10. Arc Control Dial
11. RUN/STOP Switch
12. Starter Switch
13. Monitor Lamp
14. Fuel Meter
15. Idle Control Switch
16. Single/Dual Selector
17. Display
18. AC Meter Selector
19. Emergency Stop Switch

20. Earth Leakage Circuit Breaker (ELCB)
21. Main Breaker
22. 3-P 380/415V Breaker
23. 1-P 220/240V Breaker
24. 3-P/1-P Output Terminal
25. 1-P 220/240V Receptacle
26. Weld Terminals A
27. Weld Terminals B
28. Bonnet Grounding Terminal

### FEATURES

#### Real dual system **RealDual**®

Utilizes a single engine to offer two welding arcs. Reduces purchasing costs and contributes significantly to work efficiency.

#### IGBT control

Excellent arc control and response speed. IGBT inverter technology enables stable and high-quality welding.

#### Low noise

Minimal operating noise with a top-class low noise level. Ideal for communication and reducing worker fatigue at worksites.

#### Idle control

Select AUTO to reduce noise, fuel use, and emissions. Choose HIGH to keep engine speed constant for full power.

#### Robust alternator

In-house designed and manufactured brushless alternator ensures reliable performance, even in sandy, dusty, and extreme heat condition.

#### Spill containment

Prevents fuel and oil leakage into rivers or soil. Rain-resistant design helps protect during operation.

#### Reliable engine **Kubota**

Kubota V3600-T one of the most hardworking, efficient and cleanest running diesel engines on the market.

#### Variety of applications

Offers CC, CV, Lift TIG, Scratch TIG, Droop (Pipe Mode), and Gouging for efficient, high-quality welding and productivity.