## **Diesel Engine Generator & Welder**

# **shindaiwa**®



Equipped with CV functionality, the top-tier Shindaiwa model DGW400DML-D4VU is ideal for high-quality welding in any work environment.













#### **SPECIFICATIONS**

(50 / 60Hz)

Model			DGW400DML-D4VU	
Generating Method			Rotating Field	
Welding Generator	Operation		Single	Dual
	CC Droop	Rated Current (A)	360 / 380	180 / 200
		Rated Voltage (V)	34.4 / 35.2	27.2 / 28.0
		Duty Cycle (%)	60	100
		Current Adj. Range (A)	30 - 380 / 30 - 390	30 - 200 / 30 - 210
		Welding Rod (Φ)	2.0 - 8.0	2.0 - 4.0
		Gouging Rod (Φ)	3.2 - 8.0	3.2 - 5.0
	CV	Rated Current (A)	330 / 340	180 / 200
		Rated Voltage (V)	31.5 / 32.0	20.0 / 21.0
		Duty Cycle (%)	100	100
		(Current Adj. Range (A))	(60 - 390 / 60 - 400)	(60 - 200 / 60 - 210)
		Voltage Adj. Range (V)	14 - 34.5 / 14 - 35	14 - 28 / 14 - 28.5
		Welding Wire (Φ)	0.6 - 2.0	0.6 - 1.6
	Rated Speed (min <sup>-1</sup> )		3000 / 3600	
	No Load Voltage (V)		MAX 85	
AC Generator	Rated Frequency (Hz)		50 / 60	
	Rated Speed (min <sup>-1</sup> )		3000 / 3600	
	Phase		1 Phase	3 Phase
	Rated Voltage (V)		220 / 240	380 / 415
	Rated Current (A)		14.5Ax3 / 15Ax3	18.2Ax1 / 20Ax1
	Rated Output (kVA)		9.6 / 10.8	12 / 14.4
	Power Factor		1.0	0.8
	Rating		Continuous	

Powered by

(50 / 60Hz

- 7-3	1-2-21-2	(50 / 60Hz)		
	Model	DGW400DML-D4VU		
Engine	Model	Kubota D902		
	Туре	Vertical, Water-Cooled 4-Cycle Diesel Engine		
	Displacement (L)	0.898		
	Rated Output (kW/min <sup>-1</sup> )	15.0 / 3000 17.6 / 3600		
	Fuel	ASTM No.2-D Diesel Fuel or Equivalent		
	Lubricant Oil	API Class CF or better (CJ excluded)		
	Lubrication Oil Volume (L)	3.6 (Effective 1.7)		
	Cooling Water Volume (L)	4.0 (Sub Tank Capacity 0.6 L included)		
	Starting Method	Starter Motor		
Battery		46B24L (Japanese Industrial Standard)		
Fuel Tank Capacity (L)		43		
Dimension	Length (mm)	1435		
	Width (mm)	700		
	Height (mm)	848		
Dry Weight (kg)		474		
Net Weight (kg)		521		
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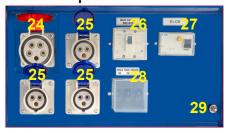
### **Diesel Engine Generator & Welder** DGW400DML-D4VU

## **Shindarwa**<sup>®</sup>

#### CONTROL PANEL



#### **AC Output Panel**



- 24. 3-P 380/415V Receptacle
- 25. 1-P 220/240V Receptacle
- 26. 3-P 380/415V Breaker
- 27. Earth Leakage Circuit Breaker (ELCB)
- 28. 1-P 220/240V Breaker
- 29. Bonnet Grounding Terminal

#### 3. ECO Drive Display

1. AC Meter Selector

4. DC Meter

2. AC Meter

- 5. VRD Lamp
- 6. Single/Dual Selector
- 7. Output Control Dial
- 8. Weld Mode Selector
- 9. Arc Control Dial
- 10. Emergency Stop Switch
- 11. Idle Control Switch
- 12. RUN/STOP Switch
- Starter Switch
- 14. Monitor Lamp
- 15. Hour Meter
- 16. Fuel Meter
- 17. Weld Terminals Switch
- 18. Wire Feeder Voltmeter Selector
- Circuit Protector for Wire Feeder
- 20. 14-Pin Connector
- 21. 9-Pin Connector
- 22. Weld Terminals A
- 23. Weld Terminals B

#### **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 highquality welding.

### Eco drive 🥶



Operating at on optimal speed to reduce the noise, exhaust gas and fuel consumption.

#### Low noise

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

#### 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. **Powered by** 

#### Kubota Reliable engine

Kubota D902 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, highquality welding and productivity.