

DGW500DM-S2V



SPECIFICATIONS

Model		DGW500DM-S2V	
Generating Method		Rotating Field	
Welding Generator	Operation	Single	Dual
	Rated Current (A)	480	230
	Rated Voltage (V)	39.2	29.2
	Duty Cycle (%)	60	80
	Current Adj. Range (A)	60 - 500	30 - 280
	Welding Rod (Φ)	2.6 - 8.0	2.0 - 6.0
	Gouging Rod (Φ)	3.2 - 9.5	3.2 - 5.0
	Rated Current (A)	480	230
	Rated Voltage (V)	39.0	22.5
	Duty Cycle (%)	60	80
	Voltage Adj. Range (V)	14 - 40	14 - 29
	Welding Wire (Φ)	0.6 - 2.4	0.6 - 2.0
	Rated Speed (min ⁻¹)	3000	
	No Load Voltage (V)	MAX 85	
	Rated Frequency (Hz)	50	
AC Generator	Rated Speed (min ⁻¹)	3000	
	Phase	1 Phase	
	Rated Voltage (V)	110	240
	Rated Current (A)	15Ax2	15Ax2
	Power Factor	1.0	
	Rated Output (kVA)	3.3	7.2
	Rating	Continuous	

Powered by
Kubota

Model		DGW500DM-S2V
Engine	Model	Kubota V1505
	Type	Vertical, Water-Cooled 4-Cycle Diesel Engine
	Displacement (L)	1.498
	Rated Output (kW/min ⁻¹)	29.0 / 3600 (Gross Intermittent)
	Fuel	ASTM No.2 Diesel Fuel or Equivalent
	Lubricant Oil	API Class CF or Higher (CJ excluded)
	Lubrication Oil Volume (L)	6.0 (Effective 2.0)
	Cooling Water Volume (L)	5.6 (Sub Tank Capacity 0.8 L included)
	Starting Method	Starter Motor
	Fuel Consumption(L/h@60%)	5.2@480A
Dimension	Sound Level(dB(A)) 7m Distance, No Load, Low / High(50Hz)	57 / 64
	Battery	75D31R (Japanese Industrial Standard)
	Fuel Tank Capacity (L)	63
	Length (mm)	1680
	Width (mm)	700
Dry Weight (kg)	Height (mm)	950
		613

Diesel Engine Generator & Welder

DGW500DM-S2V

shindaiwa®

CONTROL PANEL



1. AC Meter
2. DC Meter
3. Output Control Dial
4. Single/Dual Selector Switch
5. CV/CC Selector Switch
6. Arc Control Dial
7. Rod Selector Switch
8. Emergency Stop Switch
9. Hour Meter
10. Monitor Lamp
11. VRD Switch
12. Idle Control Switch
13. Starter Switch
14. Fuel Meter
15. Weld Terminals Switch
16. Wire Feeder Voltmeter Switch
17. 42V/115V Selector Switch
18. Circuit Protector for Wire Feeder
19. Remote Control Receptacle
20. 14-Pin Connector
21. Welding Terminal A
22. Welding Terminal B

AC Output Panel



23. 1-P 240V Receptacle (IP44)
24. 1-P 240V Breaker
25. 1-P 110V Receptacle (IP44)
26. 1-P 110V Breaker
27. Earth Leakage Circuit Breaker (ELCB)
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.

Thyristor control

Excellent arc control and response time. High durability and stable high quality welding.

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.

Reliable engine **Kubota**

Kubota V1505 one of the most hardworking, efficient and cleanest running diesel engines on the market.

Variety of applications

Offers CC, CV and Gouging for efficient, high-quality welding and productivity.