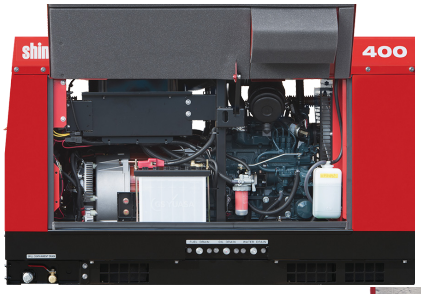
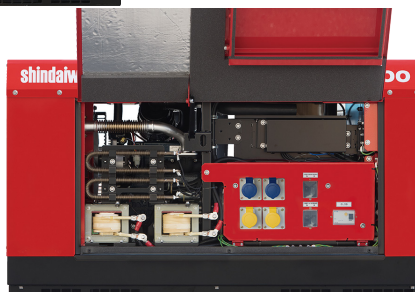
Diesel Engine Generator & Welder

shindaiwa®

3 YEAR WARRANTY

DGW400DMK-S2V





CC/CV WELDING MODE | LOW NOISE | 2 REMOTE CONTROL | SPILL CONTAINMENT | VRD | SWITCHABLE 50/60 Hz

SPECIFICATIONS

(50 / 60Hz)

Model			DGW400DMK-S2V	
Generating Method			Rotating Field	
Welding Generator	Operation		Single	Dual
	CC Droop	Rated Current (A)	370 / 390	180 / 200
		Rated Voltage (V)	34.8 / 35.6	27.2 / 28.0
		Duty Cycle (%)	60	100
		Current Adj. Range (A)	95 - 390 / 110 - 400	50 - 200 / 60 - 210
		Welding Rod (Φ)	2.6 - 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
		Voltage Adj. Range (V)	14 - 34.5 / 14.5 - 35	14 - 21 / 14.5 - 23.5
		Welding Wire (Φ)	0.6 - 2.0	0.6 - 1.6
	Rated Speed (min^{-1})		3000 / 3600	
	No Load Voltage (V)		MAX 85	
AC Generator	Rated Frequency (Hz)		50 / 60	
	Rated Speed (min^{-1})		3000 / 3600	
	Phase		1 Phase	
	Rated Voltage (V)		110 / 115	230 / 240
	Rated Current (A)		15Ax2	15Ax2
	Rated Output (kVA)		3.3 / 3.5	6.9 / 7.2
	Power Factor		1.0	
	Rating		Continuous	

Powered by Kubota

(50 / 60Hz)

Model		DGW400DMK-S2V
Engine	Model	Kubota D902
	Type	Vertical, Water-Cooled 4-Cycle Diesel Engine
	Displacement (L)	0.898
	Rated Output (kW/min^{-1})	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
Fuel Consumption(L/h@60%)		3.3@370A / 3.6@390A
Sound Level(dB(A)) @7m distance under no load		64 / 65
Battery		46B24L (Japanese Industrial Standard)
Fuel Tank Capacity (L)		37
Dimension	Length (mm)	1435
	Width (mm)	700
	Height (mm)	848
Dry Weight (kg)		453

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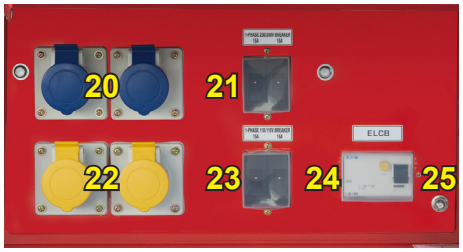
CONTROL PANEL

1. AC Meter Selector
2. AC Meter
3. ECO Drive Display
4. DC 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. VRD Switch
12. Idle Control Switch
13. Starter Switch
14. Monitor Lamp
15. Hour Meter
16. Fuel Meter
17. Remote Control Receptacle
18. Weld Terminals A
19. Weld Terminals B

AC Output Panel



20. 1-P 230/240V Receptacle (IP44)
21. 1-P 230/240V Breaker
22. 1-P 110/115V Receptacle (IP44)
23. 1-P 110/115V Breaker
24. Earth Leakage Circuit Breaker (ELCB)
25. 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.

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.

Reliable engine
Powered by Kubota
Kubota D902 one of the most hardworking, efficient and cleanest running diesel engines on the market.

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

YAMABIKO CORPORATION