

Diesel Engine Generator & Welder

shindaiwa®

DGW400DML/UKV



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



SPECIFICATIONS

Model		DGW400DML/UKV					
Generating Method		Rotating Field					
Welding Generator	Operation		Single			Dual	
	CC Droop	Rated Current (A)	380	360	280	200	180
		Rated Voltage (V)	35.2	34.4	31.2	28.0	27.2
		Duty Cycle (%)	50	60	100	80	100
		Current Adj. Range (A)	30 - 380			30 - 200	
		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)	390	370	330	200	180
		Rated Voltage (V)	34.5	33.5	31.5	21.0	20.0
		Duty Cycle (%)	50	60	100	80	100
		(Current Adj. Range (A))	(60 - 390)			(60 - 200)	
		Voltage Adj. Range (V)	14.0 - 34.5			14.0 - 28.0	
		Welding Wire (Φ)	0.6 - 2.0			0.6 - 1.6	
	Rated Speed (min ⁻¹)		3000				
	No Load Voltage (V)		MAX 67.2				
AC Generator	Rated Frequency (Hz)		50				
	Rated Speed (min ⁻¹)		3000				
	Phase		1 Phase			3 Phase	
	Rated Voltage (V)		110 CTE			415	
	Rated Current (A)		TOTAL30 (2 Receptacles)			16.7	
	Rated Output (kVA)		3.3			12	
	Power Factor		1.0			0.8	
	Rating		Continuous				

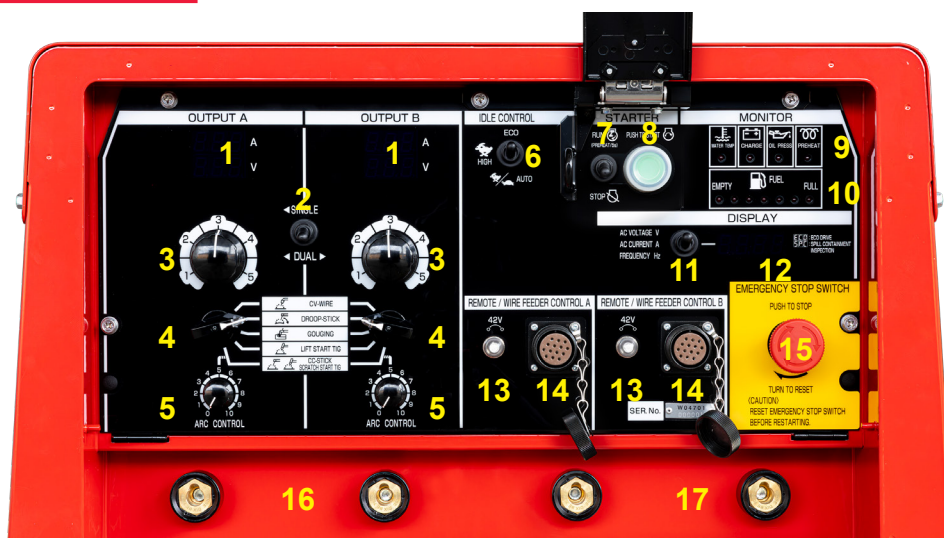
CERTIFIED STAGE V Powered by Kubota

Model		DGW400DML/UKV	
Engine	Model	Kubota D902	
	Type	Vertical, Water-Cooled 4-Cycle Diesel Engine	
	Displacement (L)	0.898	
	Rated Output (kW/min ⁻¹)	15.0 / 3000	
	Fuel	EN standard or ASTM standard (sulfur content < 15ppm)	
	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)	
Dimension	Fuel Tank Capacity (L)	43	
	Length (mm)	1435	
	Width (mm)	700	
	Height (mm)	848	
Noise (dB(A))	Dry Weight (kg)	474	
	Net Weight (kg)	521	
	Sound pressure level L _{pA}	77.3 (d=1m, h=1.6m, I ₂ =390A) ^{*1}	
	Measured sound power level L _{WA}	92 (r=4m) ^{*2}	
	Uncertainly K _{WA}	1	
Noise (dB(A))	Guaranteed sound power level L _{WA}	93 (r=4m) ^{*2}	
		93 (declared) (r=4m) ^{*2}	

*1: EU: Machinery Directive 2006/42/EC

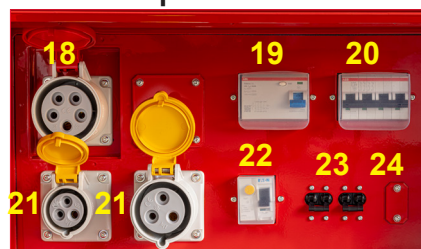
*2: EU: Outdoor Noise Directive 2000/14/EC

CONTROL PANEL



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

AC Output Panel



18. 3-P 415V Receptacle
19. 3-P Earth Leakage Circuit Breaker (ELCB)
20. 3-P 415V Breaker
21. 1-P 110V Receptacle
22. 1-P Earth Leakage Circuit Breaker (ELCB)
23. 1-P 110V Breaker
24. 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.

Eco drive



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

Low noise

Minimal operating noise with a top-class low sound power level of 92dB(A). 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



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, high-quality welding and productivity.