Diesel Engine Generator & Welder

shindaiwa®

3 YEAR WARRANTY

DGW600DM-D4V

CC/CV WELDING MODE · LIFT START TIG · LOW NOISE · 2 WIRE FEEDER · 2 REMOTE CONTROL · VRD · SPILL CONTAINMENT · SWITCHABLE 50/60 Hz

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 Wire (Φ) MIG/MAG	0.6 - 1.2	0.6 - 1.2
		Welding Wire (Φ) Self-shielded	0.9 - 2.4	0.9 - 2.4
	Rated Speed (min^{-1})		1500 / 1800	
	No Load Voltage (V)		MAX 85	
AC Generator	Rated Frequency (Hz)		50 / 60	
	Rated Speed (min^{-1})		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)

Model		DGW600DM-D4V
Engine	Model	Kubota V3600-T
	Type	Vertical, Water-Cooled 4-Cycle Diesel Engine
	Displacement (L)	3.620
	Rated Output (kW/min^{-1})	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 (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)
Dimension	Length (mm)	1900
	Width (mm)	950
	Height (mm)	1515
Dry Weight (kg)		1164
Net Weight (kg)		1284

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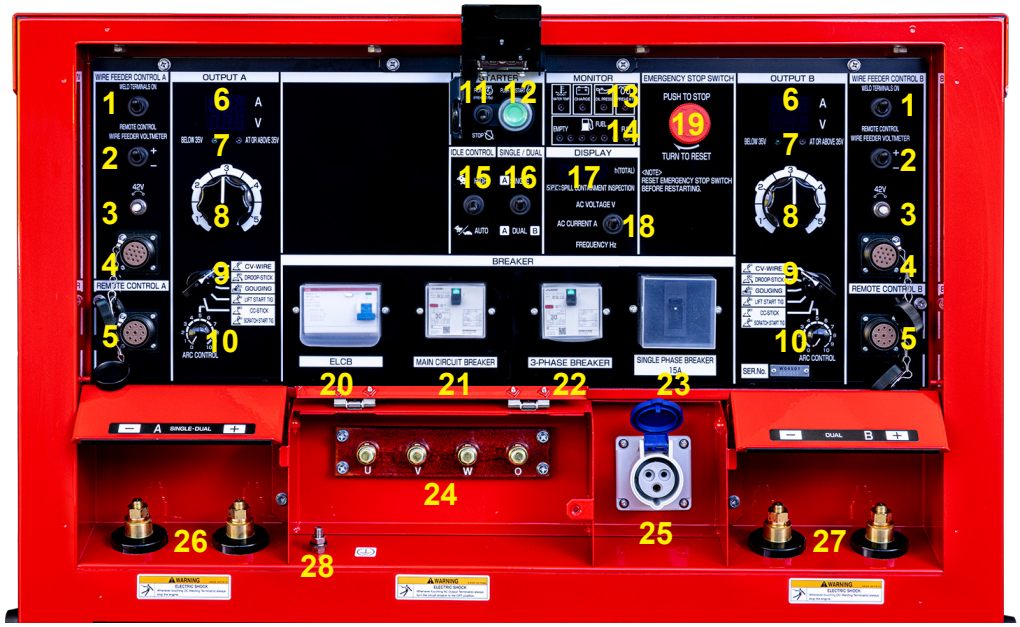
CONTROL PANEL



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
Powered by 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.

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