



DGW320M-I/ANZ



SPECIFICATIONS

Model		DGW320M-I/ANZ	
Generating Method		Permanent Magnet Rotating Field	
Welding Generator	Operation		Single
	CC Droop	Rated Current (A)	270
		Rated Voltage (V)	30.8
		Duty Cycle (%)	100
		Current Adj. Range (A)	30 - 320
		Welding Rod (Φ)	2.0 - 6.0
		Gouging Rod (Φ)	3.2 - 6.5
	CV	Rated Current (A)	270
		Rated Voltage (V)	26.5
		Duty Cycle (%)	100
		(Current Adj. Range (A))	(60 - 320)
		Voltage Adj. Range (V)	14 - 31
		Welding Wire (Φ)	0.6 - 2.0
	Rated Speed (min ⁻¹)		3000
No Load Voltage (V)		80	
AC Generator	Rated Frequency (Hz)		50
	Rated Speed (min ⁻¹)		3000
	Phase		1 Phase
	Rated Voltage (V)		240
	Rated Current (A)		15
	Rated Output (kVA)		3.6
	Power Factor		1.0
	Rating		Continuous

Powered by
Kubota

Model		DGW320M-I/ANZ
Engine	Model	Kubota D722
	Type	Vertical, Water-Cooled 4-Cycle Diesel Engine
	Displacement (L)	0.719
	Rated Output (kW/min ⁻¹)	12.1 / 3000 14.4 / 3600
	Fuel	ASTM No.2-D Diesel Fuel or Equivalent
	Lubricant Oil	API Class CF or better (CJ excluded)
	Lubrication Oil Volume (L)	3.5 (Effective 1.0)
	Cooling Water Volume (L)	3.5 (Sub Tank Capacity 0.6 L included)
	Starting Method	Starter Motor
Fuel Consumption(L/h@100%)		3.5@270A
Sound Level(dB(A)) 7m Distance, No Load, Low / High(50Hz)		59 / 63
Battery		46B24L (Japanese Industrial Standard)
Fuel Tank Capacity (L)		37
Dimension	Length (mm)	1363
	Width (mm)	635
	Height (mm)	823
Dry Weight (kg)		333
Net Weight (kg)		374

CONTROL PANEL



1. 1-P 240V Breaker
2. Earth Leakage Circuit Breaker (ELCB)
3. Operation Mode Selector
4. 1-P 240V Receptacle
5. DC Meter
6. VRD Lamp
7. Output Control Dial
8. Arc Control Dial
9. Weld Mode Selector
10. RUN/STOP Switch
11. Starter Switch
12. Monitor Lamp
13. Fuel Meter
14. VRD Switch
15. Idle Control Switch
16. Display
17. Circuit Protector for Wire Feeder
18. 14-Pin Connector
19. Emergency Stop Switch
20. Bonnet Grounding Terminal
21. Weld Terminals

FEATURES

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 noise level. Ideal for communication and reducing worker fatigue at worksites.

Variety of applications

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

Robust Alternator

In-house designed and manufactured brushless alternator ensures reliable performance, even in sandy, dusty, and extreme heat condition.

Reliable engine

Kubota D722 one of the most hardworking, efficient and cleanest running diesel engines on the market.

Spill Containment

Prevents fuel and oil leakage into rivers or soil. Rain-resistant design helps protect during operation.