

shindaiwa®

Sound Proof Petrol Engine Generator/Welder

FOR PROFESSIONAL USE

EGW165M-I/UKV



Compact and lightweight, yet high-power
Maximum output 165A, Rated output 145A

- 3.2kVA Inverter power generation
- Digital display

Welding current set value and actual current value can be confirmed



Excellent arc characteristics

With the largest no-load voltage (75V) in its class and the optimum control method, constant welding is realized with excellent arc characteristics such as arc start, arc elongation, and good penetration.

Comfortable and convenient equipment / functions

Centralized operation panel with digital display function

- Welding Check the actual current value while adjusting the welding current dial. Ideal for work that requires stable and high-quality welding under usage conditions, such as when extending cables.
- Switches for start / stop, welding, power generation, etc. are placed in the operation panel.

Convenient welding current preset

Welding current is set with a digital value in 1A units. A convenient function for people who cannot get used to welding. When welding is started, the display automatically switches to the actual welding current display.

Easy maintenance

- 1) The body cover can be easily removed.
- 2) You can perform a test run with the body cover removed.
- 3) The large front door makes daily inspections easy.



Light and durable resin body

Uses a resin material with excellent impact resistance, low temperature resistance, and weather resistance.

shindaiwa®

Digital display

Welding current set value and actual current value can be confirmed



Two eco-functions with excellent fuel efficiency, low noise, and low emission effect



Eco welding

The optimum engine speed is automatically set according to the welding load.

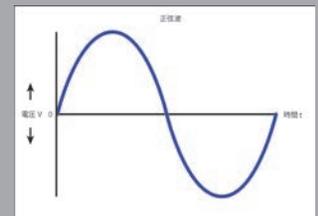
Eco power generation

Taking advantage of the characteristics of the inverter power generation method that can keep the frequency constant without affecting the engine speed, the engine speed is automatically set according to the load of the equipment used.

Inverter power generation



Since it supplies high-quality electricity equivalent to commercial power, it can also be used for products with built-in computers and various power tools controlled by microcomputers. It is a high-quality electricity with a clean waveform close to a sine wave equivalent to a commercial power supply, and less flicker in lighting equipment.



SPECIFICATIONS

Welding DC Generator

Rated Current	(A)	145
Rated Load Voltage	(V)	25.8
Duty Cycle @40°C	(%)	50
Rated Speed	(min ⁻¹)	3600
No Load Voltage	(V)	75 (3800min ⁻¹)
Current Adj. Range	(A)	30-165

AC Generator

Voltage Regulation System	Inverter
Phase	1-Phase
Rated Voltage	(V) 110
Frequency	(Hz) 50/60
Rated Speed	(min ⁻¹) 3600
Rated Output	(kVA) 3.2
Rated Current	(A) 29
Power Factor	1.0
Rating	Continuous

Others

Overall Dimensions	(mm)	(L)730 x (W)545 x (H)647
Dry Weight	(kg)	87

Engine

Model	Yamaha MZ300
Type	Air-cooled, 4-Cycle OHV Petrol
Displacement	(L) 0.296
Rated Output	(kW/mim ⁻¹) 5.8/3600
Fuel	Unleaded Petrol
Lubricant Oil	API Class SE or higher
Lubricant Oil Volume	(L) 1.0 (approx)
Starting Method	Electric Start and Recoil Start
Spark Plug	NGK BPR4ES
Battery	Yuasa YTX9-BS
Fuel Tank Capacity	(L) 15 (approx)

Noise (dB(A))

Sound pressure level L _{pA}	80 (d=1m, h=1.6m, I ₂ =165A)* ¹
Measured sound power level L _{WA}	94 (r=4m)* ²
Uncertainty K _{WA}	1
Generated sound power level L _{WA}	95 (r=4m)* ²
	95 (declared) (r=4m)* ²

*1 EU : Machinery Directive 2006/42/EC

UK : Supply of Machinery (Safety) Regulations 2008

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

UK : Noise Emission in the Environment by Equipment for use Outdoors Regulations 2001