

**HIGH PERFORMANCE
DIESEL WELDING SET**

DAW-500S

500A Permanent Magnet Welder



- Greatly improved arc welding performance
- 100% duty cycle realized at 400A
- Compact, lightweight and quiet
- Improved energy efficiency

Features

Dramatically improved arc welding performance

The 500A welder incorporates an innovative power generator with a permanent magnet and newly developed current control system that offers stable arc performance for all sizes of welding rods. This high-quality welding power source is suitable for pipeline construction and other projects.

Lightweight, compact design improves on-site maneuverability

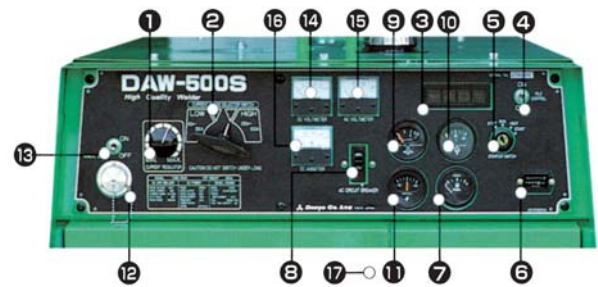
The welder's newly developed power generator incorporates a brushless permanent magnet and field coils that greatly reduce overall weight. Compared to previous models, 500A's powerful generator is more efficient, compact, lighter weight, and engine output requirement has been reduced by approximately 20%.

Economical owing to low fuel consumption

A built-in slow-down unit incorporated into the 500A's generator increases fuel efficiency and improves performance.

Designed for increased safety

The welding set is equipped with safety devices as standard equipment, such as an emergency shut-off device to protect the generator at welding output overload and the engine at low oil pressure, high water temperature and battery insufficient charge.



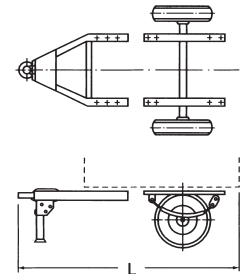
CONTROL PANEL

- | | | |
|---|-----------------------------|-------------------------------|
| Standard | Option Set 1 | Option Set 3 |
| ① Current Regulator | ⑨ Oil Pressure Gauge | ⑬ DC Voltmeter |
| ② Current Range Selector Switch | ⑩ Water Temperature Gauge | ⑭ AC Voltmeter |
| ③ Warning Lamp Unit (Oil, Water, Charge, Preheat) | ⑪ Battery Charging Ammeter | ⑮ DC Ammeter |
| ④ Idle Control Switch | Option Set 2 | Option Set 4 |
| ⑤ Starter Switch | ⑫ Remote Control Receptacle | ⑯ Polarity Change-Over Switch |
| ⑥ Hour Meter | ⑬ Remote Control Switch | |
| ⑦ Fuel Gauge | | |
| ⑧ AC Circuit Breaker | | |

TRAILER

	2-Wheel Trailer
Length	2070mm
Width	1290mm
Height	1325mm
Dry weight	520kg
Tire size	5.00 10-6PR

Dimensions and weight include welding set.



ISO 9001:2008 Certified
ISO 14001:2004

Specifications

MODEL DAW-500S

		MODEL DAW-500S					
DC WELDING GENERATOR	Type	Performance magnet type		ENGINE	Model	Kubota D-1703	
	Rated speed	2800min ⁻¹			Type	4-cycle, water-cooled diesel engine	
	Rated output	DC18kW			Rated output	25.4kW (34.5PS)/2800min ⁻¹	
	Rated current	460A			No. of cylinders	3	
	Rated voltage	38.4V			Displacement	1.647L	
	Current range	40~500A			Fuel	ASTM No. 2 diesel fuel or equivalent	
	Applicable electrode	2.6~8 mm			Fuel consumption	5.2L/hr	
Duty cycle	75%		Fuel tank capacity	45L			
AUXILIARY AC POWER	Maximum output	AC3.0kW		Starting system	Electric starting		
	Rated voltage	100/110/120/200/220/230/240V		Cooling system	Water-cooled by radiator with fan		
	Frequency	50Hz or 60Hz					
Dimensions (LxWxH)		1260 x 800 x 870 mm		Dry weight	435kg		

The specifications given herein are subject to change without notice.

Direct inquiries to the nearest Denyo distributor or to Denyo co.,Ltd.

Denyo Co., Ltd.

Head office: 2-8-5, Nihonbashi-horidomecho, Chuo-ku, Tokyo



103-8566, Japan

Tel: +81-3-6861-0055 Fax: +81-3-6861-1188

www.denyo.co.jp/english/