

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

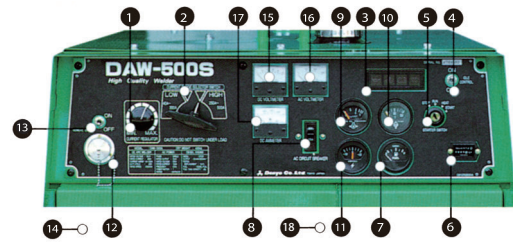
The welder's newly developed power generator incorporates a brushless permanent magnet and field coils that greatly reduce overall weight. Compared to previous models, 500A's powerful generator is more efficient, compact, lighter weight, and engine output requirement has been reduced by approximately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

- ① Current Regulator
- ② Current Range Selector Switch
- ③ Warning Lamp Unit (Oil, Water, Charge, Preheat)
- ④ Idle Control Switch
- ⑤ Starter Switch
- ⑥ Hour Meter
- ⑦ Fuel Gauge
- ⑧ AC Circuit Breaker

Option Set 1

- ⑨ Oil Pressure Gauge
 - ⑩ Water Temperature Gauge
 - ⑪ Battery Charging Ammeter
- ##### Option Set 2
- ⑫ Remote Control Receptacle
 - ⑬ Remote Control Switch
 - ⑭ Remote Control Box

Option Set 3

- ⑮ DC Voltmeter
- ⑯ AC Voltmeter
- ⑰ DC Ammeter

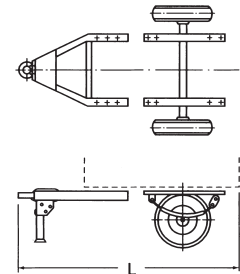
Option Set 4

- ⑱ Polarity Change-Over Switch

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 : 2015 Certified
ISO 14001: 2015

Specifications

MODEL DAW-500S

		MODEL DAW-500S		
DC WELDING GENERATOR	Type	Performance magnet type	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
AUXILIARY AC POWER	Duty cycle	75%	Fuel tank capacity	45L
	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.

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