

# REDSTAR DAW-500S



## SPECIFICATIONS

### DC WELDING

Rated Output (kW)	DC 18
Rated Current (A) / Voltage (V) / Duty (%)	460 / 38.4 / 75
Current Range (A)	40~500
Current at 100% Duty Cycle (A)	310
Rated Speed (min <sup>-1</sup> )	2800

### AC POWER

Maximum Output (kW)	3.0
Rated Voltage (V)	100 / 110 / 120 / 200 / 220 / 230 / 240
Frequency (Hz)	50 or 60

### ENGINE

Model	Kubota D-1703
Type	4-cycle, water-cooled diesel engine
Rated Output (kW / min <sup>-1</sup> )	25.4 (34.5PS) / 2800
Number of Cylinders	3
Fuel	ASTM No. 2 diesel fuel or equivalent

### UNIT

Length / Width / Height (mm)	1260 / 800 / 870
Dry Weight (kg)	435

### Dramatically Improved Arc Welding Performance

The 500 A 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, the 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.