

REDSTAR DCW-450S



SPECIFICATIONS

WELDER

CC MODE

Rated Output	14.4kW
Rated Current / Voltage / Duty	400A / 36V / 60%
Current Range	30A-350A / 30A-450A
Current Selector	2 steps
Current at 100% duty cycle	310A
Rated Speed	1500min ⁻¹ / 1800min ⁻¹

CV MODE

Rated Output	13.6kW
Rated Current / Voltage / Duty	400A / 34V / 60%
Welding Voltage Range	14-31.5V / 14-36V
Current at 100% duty cycle	310A
Rated Speed	1500min ⁻¹ / 1800min ⁻¹
Aux.power for feeder	115V

GENERATOR

Number of phases	3-phases, 4-wire
Rated Output	20kVA at 50Hz
Rated Voltage	25kVA at 60Hz
Frequency	380V (or 400V or 415V)

ENGINE

Model	Kubota V2203
Type	4-cycle, water-cooled diesel engine
Rated Output	18.4kW at 1500min ⁻¹ 23.7kW at 1800min ⁻¹
Rated Speed	1500min ⁻¹ for 50Hz 1800min ⁻¹ for 60Hz
Displacement	2.1975L
Fuel	ASTM No. 2 diesel fuel or equivalent
Fuel Consumption	4.27L/h
Battery x Quantity	12V-65Ahx1 (80D26R)

UNIT

Length / Width / Height (mm)	1900 / 720 / 990
Dry weight (kg)	670

Noise

7mdB (A)	71
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400A DC Arc Welding Power Source

DCW- 450S can perform high-quality welding on pipelines and other welding methods. (types of welding: Stick, Tig, Mig Flux-cored, Gouging, etc.)

High-Capacity High-Performance Generator

The unit can also be used as a 20kVA / 50Hz high-capacity generator. With a voltage regulation of within $\pm 1.0\%$. High-quality AC power can be used while welding is being performed.

Low Fuel Consumption And Long Life

The unit incorporates a low RPM (1,500 / 1,800 min⁻¹) high-output diesel engine featuring low fuel consumption. Operation at low speed is easy on the engine, facilitating especially long life.

Special Design Facilitates Use In Virtually Any Location

The unit has been designed to operate in virtually all locations, from very hot to cold climates. It is ideal for high-quality welding and as a dependable source of power.