

Red-D-Arc Welderentals

When you're ready to weld.

Red-D-Arc Welderentals, an Airgas company, is North America's leading provider of rental welding products and services, with over 50,000 units in a fleet that includes welders, welding positioners and other welding-related equipment, for almost any type of welding process and application.

D502K 5+4 Diesel Welder



PORTABLE DC CC CV WELDING

EXTREME-DUTY SPECIFICATIONS

KUBOTA V3300 DIESEL ENGINE POWER

4 kW 120/240 VAC AUXILIARY POWER



Airgas

1-866-733-3272
Rental Centers Across North America

D502K 5+4 Diesel Welder

Processes

Stick, MIG, DC TIG, Flux-Cored Welding and Air Carbon Arc Gouging

Description

The D502K 5+4 is a 500 amp @ 100% duty cycle, constant current, constant voltage, DC, diesel engine-driven welder with 4,000 watts 120/240 VAC auxiliary power. Its three-phase rotating field generator produces a smooth DC weld output and has enough power for gouging with up to 3/8" carbons. A simplified control panel provides easy process set-up and includes a five-position Amperage Control switch, a potentiometer-type Voltage/Amperage Adjust Control for fine-control, and a six-position Process/Contactor Control switch. Remote contactor control, as well as remote amperage and voltage control, are via a 14-pin receptacle mounted on the front control panel.

Engine

Kubota V3300-B liquid-cooled, four cylinder, 49 HP diesel engine

Features

25 gallon (95 litre) fuel tank

Body constructed of 304 brushed stainless steel sheet metal for enhanced durability

15-stage process epoxy-electrocoated fully-enclosed base (e-coat)

Rugged, simple control panel

Remote oil drain and easy-access fuel drain

Low oil pressure and temperature safety shutdown

Standard front-panel mounted Engine hour meter, Fuel gauge, Battery ammeter and Engine temperature gauge

4000 watts of 120/240 VAC auxiliary power with a 120 V 20 A GFCI receptacle and a 240 V 20 A twistlock receptacle

Options

129 340 RHC-14 Remote hand current and contactor control

043 955 LDR-14 Current/voltage control with 120 VAC GFCI power to the operator

195 095 Polarity reversing/AC switch for AC-TIG welding (optional high-frequency unit also available)

20,000 watts auxiliary with three-phase, 240 volt power, 12 kW 120/240 V single-phase power from a 50 amp receptacle

Extreme-Duty protective frame

5+4 Construction Trailer

Specifications

DC AMPERAGE RANGE	20 - 600 A
MAXIMUM OCV	95
RATED CC OUTPUT	500 A at 40 VDC, 100% duty cycle 600 A at 44 VDC, 40% duty cycle
DC VOLTAGE RANGE	14 - 40 V
AUXILIARY POWER	Single-Phase, 4 kVA/kW, 20/17 A, 120/240 VAC, 50/60 Hz
WEIGHT	1808 lb (820 kg)
FUEL CAPACITY	25 gallons (95 litres)
DIMENSIONS	H: 50" (1270 mm) W: 30.75" (781 mm) L: 69.5" (1765 mm)
OPERATOR MANUAL	OM-4412
TECHNICAL MANUAL	TM-4412

Control Panel

