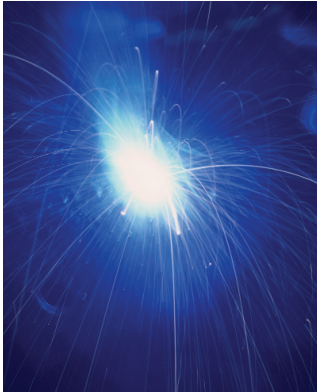


Red-D-Arc Welderentals

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.

Mariner 5+3 Offshore Diesel Welder



500 AMP DC CC WELDER/GENERATOR

OFFSHORE PROTECTION PACKAGE

KUBOTA F2803 DIESEL ENGINE POWER

3kW 120 VAC AUXILIARY POWER



Airgas

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

Mariner 5+3 Offshore Diesel Welder

Processes

Stick Welding and Air Carbon Arc Gouging

Description

The Mariner 5+3 is a 400 amp @ 60% duty cycle, constant current, DC diesel engine-driven welder with 3,000 watts 120 VAC auxiliary power. Its copper wound "pure DC" generator provides excellent welding characteristics and has enough power for gouging with up to 3/16" carbons. Output adjustment is via dual continuous output controls and the polarity of the output terminals is selected via a two-position polarity switch. Fine current control can be adjusted remotely by connecting a rheostat-type remote control to the standard remote control receptacle. A specially-built protective enclosure minimizes salt water intrusion and incorporates a built-in drip pan/reservoir to contain fluids in the event of an engine-oil or -coolant leak, as well as easy-opening access panels for convenient equipment operation and maintenance. Welding generator enhancements include modifications such as stainless steel brush holders for enhanced corrosion resistance in harsh environments.

Engine

Kubota F2803-BG, liquid-cooled, five cylinder, 38.4 HP @ 1800 rpm, 167.56 cu.in.

Engine modifications include automatic over-run protection which automatically shuts off the engine in the event of excessive speed, an exhaust mounted spark arrestor, and a lifetime pre-fuel cannister filter.

Features

Fuel efficient, low noise level, F2803 Kubota diesel engine with special offshore modifications

Engine runs at a constant 1800 RPM for longer service intervals, long engine life and low operating costs

Engine preheat provides excellent cold weather starting (with no ether required)

Automatic low oil pressure engine shutdown protection

High output, copper wound generator provides excellent welding characteristics

Full-protective enclosure is finished in a salt-water resistant three-coat paint

Battery ammeter, engine coolant temperature gauge, engine hour meter are standard

Single 120 VAC, 15 A duplex receptacle (optional GFCI receptacle available)

Standard remote control receptacle

Available with optional CV wire feed module for constant-voltage welding processes

Specifications

DC AMPERAGE RANGE	50 - 575 A Stick
MAXIMUM OCV	97 V
RATED CC OUTPUT	400 A at 36 VDC, 60% duty cycle 350 A at 34 VDC, 100% duty cycle
AUXILIARY POWER	3,000 Watts 120 VAC, 26 A Single-phase, 60 Hz GFCI duplex receptacle
WEIGHT	2480 lb (1125 kg)
FUEL CAPACITY	32 gal (121 L)
FUEL CONSUMPTION	1.79 gal (6.78 LPH) at rated load
FUEL TYPE	No. 2-D (ASTM D975) only
FUEL FILTER	Kubota 16631-43650
ENGINE OIL CAPACITY	12.7 qt (12 L)
ENGINE OIL TYPE	above CD grade
OIL FILTER	Kubota 15521-32430
COOLANT CAPACITY	8.67 qt (8.2 L)
AIR FILTER ELEMENT	Kubota TA040-93230
OPERATING SPEED	1800 RPM
DIMENSIONS	H: 58" (1473 mm) W: 31" (787 mm) L: 87" (2210 mm)

Control Panel

