

RUFFIAN ES 150G EDW

Compact Engine Driven Welder



Ruffian ES 150G EDW

Industry

- Repair and Maintenance
- Agricultural Equipment
- Light Fabrication
- Civil Construction
- Hobbyist
- Mobile Equipment



Intuitive, easy to use control panel allows you to control welding current independently from auxiliary output. Includes (4) 120 VAC and (1) 240 VAC receptacles.

Ruffian ES 150G is a lightweight, powerful, all-in-one DC Stick welding machine and AC generator combined. As a welder, Ruffian uses inverter technology to provide up to 150 A of reliable welding power at 60% duty cycle in a very stable arc that helps avoid rework. As an AC generator, Ruffian uses a 14 HP Kohler® engine to deliver up to 4.5 kW starting power. 120 VAC and 240 VAC outlets provide versatility to run lights, grinders, hand tools – even light-duty plasma cutters and MIG/TIG welders – and to use as emergency backup.

- Advanced control over arc parameters, including adjustable Arc Force, to optimize the arc – especially with 6010 electrodes
- Impressive power output of 150A at 60% duty cycle
- Thermal protection for the welder and generator guaranteeing a long, useful life
- Latest inverter technology ensures a stable and smooth stick arc that produces the cleanest welds
- Trusted Kohler gas engine meets a high standard of power and reliability
- Fuel-efficient 5-gallon gas tank and engine hour meter
- Auxiliary generator output voltage is independent from the welding current, allowing simultaneous use of electrical tools without worrying about adjustments to the welder settings
- Four 120 VAC, 20 A GFCI receptacles and one 240 VAC (6-50R) receptacle, all protected by a circuit breaker and covers
- Easy to maneuver through the job site with large industrial-grade wheels that provide high ground clearance; and ergonomic, removable handles that distribute weight evenly
- 3-year warranty by ESAB on welder/generator and 3-year warranty by Kohler on engine

Visit esab.com for more information.

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| Specifications | |
|---|---|
| Welding Machine Specifications | |
| Output Setting Range (DC), Stick (SMAW)/MMA | 20 A/20.8 V – 150 A/26 V |
| Rated Duty Cycle, Stick (SMAW)/MMA | 60% @ 150 A/26 V 100% @ 115 A/24.6 V |
| Open Circuit Voltage (OCV) | 78 V |
| Generator Specifications | |
| Phases | 1 ph |
| Voltages | 120/240 VAC |
| Frequency | 60 Hz |
| Peak Power | 4.5 kVA/kW |
| Continuous Power | 4 kVA/kW |
| Max Current (Without Welding) | 34 A (120V AC); 17 A (240V AC) |
| Engine Specifications | |
| Brand, Model, and Warranty | Kohler Command PRO CH440, 3-year warranty by manufacturer |
| Power | 14 HP |
| Fuel Type | Gasoline |
| Cooling Type | Air |
| Cylinders | 1 |
| RPM | 3600 |
| General Specifications | |
| Fuel Tank Capacity | 18.93 L (5.0 US gal) |
| Enclosure Class | IP23S |
| Dimensions L x W x H Without Wheels and Handles: With Wheels and Handles: | 729 x 572 x 660 mm (28.70 x 22.52 x 25.98 in) 1037 x 730 x 803 mm (40.83 x 28.74 x 31.61 in) |
| Weight (<i>Empty Weight, No Gas</i>) Without Wheels and Handles: With Wheels and Handles: | 223.8 lb (101.5 kg) 248.0 lb (112.5 kg) |

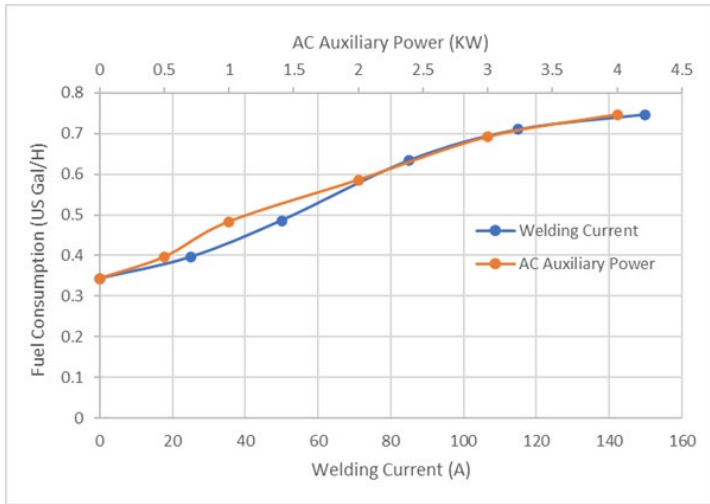
| Ordering Information | |
|--------------------------|------------|
| ESAB Ruffian ES 150G EDW | 0707070150 |

| Options & Accessories | |
|--|------------|
| Electrode Holder 200A and Lead Assembly, 4 m (13 ft) | WS200E13 |
| Ground Clamp 200A and Lead Assembly, 3 m (10 ft) | WS200G10 |
| Lifting Eye | 0707071001 |
| Protective Cover, ES 150G EDW | 0707071002 |
| Tweco®-Style to OKC Adapter Connector | 94251240 |

Note: Spare and wear parts for Kohler Command PRO CH440 engine are offered by Kohler. See separate user manual for details.

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| Simultaneous Welding and AC Auxiliary Power Usage – Shared Loads | |
|--|-------------------------|
| Welding Current (A) | AC Auxiliary Power (kW) |
| 0 | 4 |
| 20 | 3.5 |
| 40 | 2.7 |
| 60 | 2.2 |
| 80 | 1.6 |
| 100 | 1 |
| 120 | 0.6 |
| 140 | 0.2 |
| 150 | 0 |



Fuel Consumption Data

- Fuel consumption curves show the typical fuel use under welding or auxiliary generator loads
- 5.0 US gal. (18.93 L) fuel capacity
- Welding at 150 amps or under a continuous load of 4,000 watts of auxiliary generator power, Ruffian 150 will run for approximately 6.5 hours



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