

Miniarc Rogue ES 180i

Portable solutions for professional welding



Miniarc Rogue ES 180i

Industry

- Repair and Maintenance
- Civil Construction
- Agricultural Equipment
- Industrial and General Fabrication



Control panel

The Miniarc Rogue is a robust and durable power source for the professional welder. The machine provides state-of-the-art welding performance and reliability through use of the latest high performance power electronics and Digital control; ensuring a precise consistent arc.

The Miniarc Rogue provides a smooth DC (Direct Current) welding power which allows you to weld a variety of metals, such as alloyed and non alloyed steel, stainless steel, and cast iron. The Arc Force and Hot Start settings are adjustable and help the user find exactly the right arc for the job. Being digital the Micro-processor precisely controls all functions and provides Best-in Class welding performance across the amperage range of the machine. The Miniarc Rogue can be used with electrodes up to 5/32 in. (4.0 mm) and weld up to 3/8 in. (9.5 mm) thick plates in a single pass.

The Miniarc Rogue can easily perform TIG -welding using a "Lift TIG" start. Equip the power source with the optional TIG-Torch, which has a built-in gas valve and a regulator, and a bottle of gas and you are ready to weld mild steel or stainless steel, with or without filler material.

- Dual voltage input supply – flexibility to use any place on single phase plug
- Superior Arc characteristics – smooth and stable performance (including special mode for 60xx)
- Generator Compliant – suitable for use with generators. (7kW recommended)
- Easy to Use – set the welding current and weld with excellent results
- Practical Design – makes the power source easy to carry which enables use at almost any work site
- Robust Design – IP23S designed for fabrication shop or site application
- PFC ensures a stable arc, resistant to power fluctuations even while working on long extension cables up to 300 feet (12 AWG size)

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When choosing a top-performing welding machine you need top-performing ESAB Filler Metals.
Learn more at esab.com/fillermetals today.

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Specifications	
	ES 180i
Primary Voltage 1 ph	120 – 230 VAC +/- 15%, 50/60 Hz
Maximum Output	180 A
Rated kW	7 kW
Energy Save Mode	50 W
Open Circuit Voltage	78 V DC
Stick (SMAW) Welding Output (230 V) at 25% Duty Cycle at 60% Duty Cycle at 100% Duty Cycle	180 A / 27.2 V 116 A / 24.6 V 90 A / 23.6 V
Stick (SMAW) Welding Output (120 V) at 25% Duty Cycle at 60% Duty Cycle at 100% Duty Cycle	110 A / 24.4 V 70 A / 22.8 V 55 A / 22.2 V
TIG (GTAW) Welding Output (230 V) at 25% Duty Cycle at 60% Duty Cycle at 100% Duty Cycle	180 A / 17.2 V 116 A / 14.6 V 90 A / 13.6 V
TIG (GTAW) Welding Output (120 V) at 25% Duty Cycle at 60% Duty Cycle at 100% Duty Cycle	140 A / 15.6 V 90 A / 13.6 V 70 A / 12.8 V
Current Range	10 – 180 A
Operating Temperature	+14 to +104 °F (-10 to +40 °C)
Enclosure Class	IP23S
Dimensions	15.7 x 6 x 10.4 in. (403 x 153 x 264 mm)
Weight	18.2 lbs (8.25 kg)

Ordering Information	
Miniarc Rogue ES 180i	0700500070

Delivery includes power source with 10 ft (3 m) mains cable and plug, shoulder strap, electrode holder, 10 ft (3 m) return cable and clamp.

Options & Accessories	
Remote Control MMA 4	0700500084
Rogue Plastic Case	0700500085
HW-17R, 60° Head with Rotary Valve, 12 1/2 ft., 2 pc. cable/hose assembly twist lock	35857
GRF400-580 Flowmeter Regulator	0781-2701
Electrode Holder 200A and Lead Assembly, 13 ft. (4 m), 50 mm	WS200E13
Ground Clamp 200 A and Lead Assembly, 10 ft. (3 m), 50 mm	WS200G10
TIG Foot Control, 15 ft. (4.5m) cable and 8-pin connector	W4014450
Power Adapter, 230 V to 120 V, 15 A	W4014000



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