

# Renegade ES 210i

Ultimate durability in portable edition



Renegade ES is a professional single-phase, MMA and Live TIG welding machine with the most resistant IP23 housing designed for use in demanding environments. Equipped with a high-quality carry strap with multiple lift points, Renegade ES is ready to move with you when portability is required. Additionally, a built-in active PFC circuit provides an uninterrupted power supply, even with long extension cables (up to 100 m).

Renegade ES have been designed to weld with any type of electrode in superior quality, including 6010 cellulosic. User have a direct access to parameters and memory buttons, which makes machine very easy to work with.

- Highest durability housing with IP23 for indoor and outdoor use
- For professional MMA welding with electrodes up to 4 mm with a high output power
- PFC for stable arc even with extra long mains cable, up to 100 m
- A powerful voltage booster provide additional arc voltage for superior cellulosic weld performance
- Easy to read and quick to set panel increasing the accuracy and reduces the down time
- Adjustable Hot start and Arc force for optimal arc adjustment
- 3 memory settings for easy access to welding parameters
- ESAB Handy 200 electrode holder included

## Industry

- Ship and Offshore Yards
- Civil Construction
- Pipe Construction
- Repair and Maintenance
- Heavy Fabrication
- Industrial and General Fabrication
- Mining
- Steel Erectors

Visit [esab.com](http://esab.com) for more information.



Optional remote control



# Renegade ES 210i

Specifications			
Mains Voltage	115/230 VAC $\pm$ 15%, 1ph, 50/60 Hz		
Fuse Slow	16 A		
Rated KVA	3.3 KVA (115VAC), 6 KVA (230VAC)		
Energy save mode	<30 W		
Welding Output MMA	<table border="1"> <tr> <td>115 VAC: 110A / 24.4V at 25% 71A / 22.8V at 60% 55A / 22.2V at 100%</td> <td>230 VAC: 180A / 27.2V at 25% 116A / 24.6V at 60% 90A / 23.6V at 100%</td> </tr> </table>	115 VAC: 110A / 24.4V at 25% 71A / 22.8V at 60% 55A / 22.2V at 100%	230 VAC: 180A / 27.2V at 25% 116A / 24.6V at 60% 90A / 23.6V at 100%
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Welding Output TIG	<table border="1"> <tr> <td>115 VAC: 140A / 15.6V at 25% 90A / 13.6V at 60% 80A / 12.8V at 100%</td> <td>230 VAC: 210A / 18.4V at 25% 135A / 15.4V at 60% 105A / 14.2V at 100%</td> </tr> </table>	115 VAC: 140A / 15.6V at 25% 90A / 13.6V at 60% 80A / 12.8V at 100%	230 VAC: 210A / 18.4V at 25% 135A / 15.4V at 60% 105A / 14.2V at 100%
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Setting Range MMA	115 VAC MMA: 15A / 20.6V – 110A / 24.4V 230 VAC MMA: 15A / 20.6V – 180A / 28.4V		
Setting Range TIG	115 VAC TIG: 10A / 10.4V – 140A / 15.6V 230 VAC TIG: 10A / 10.4V – 210A / 18.4V		
Power Factor Max Current	99 %		
Open Circuit VDC High	78 VDC		
Enclosure class	IP23		
Operating Temperature	-10 to +40 °C (+14 to +104 °F)		
Dimensions	460 x 200 x 320 mm		
Supply plug	CEE 16 A		
Weight	9.9 kg		

Ordering Information	
Renegade ES 210i	0447700881

*Delivery includes: power source, work lead 3 m, electrode holder 3 m, shoulder strap.*

Options and accessories	
MMA 4 Analogue Remote-Control incl. 10 m cable	0700500084
Electrode Holder, Handy 200 A with 25 mm <sup>2</sup> , 3 m, OKC50	0700006900
Return cable kit, OKC 50, 3 m	0700006901
Return cable kit, OKC 50, 5 m	0700006885
TIG Foot Control, 4.5 m (15 ft) cable and 8-pin connector	W4014450
Trolley 2-wheel for Renegade	0460330881
Shoulder strap	0445197880
SR-B 17V Torch, Air, OKC 50, 4 m	0700025514
SR-B 26V Torch, Air, OKC 50, 4 m	0700025522



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