

# Renegade ET 180iP / ET 210iP / ET 210iP Advanced

The ultimate in durability with a portable design.



Renegade ET is a professional, single-phase, high-frequency start TIG and MMA welding machine. It is designed with industrial-grade IP23 housing, made to stand strong, even in the most demanding environments.

At the same time, it's lightweight and transporting it is easy thanks to multiple lift points and a high-quality carry strap. Renegade is portable and ready to move with you.

Renegade ET models also have a built-in, active PFC circuit. Even if you're on a poor power network or using a long extension cable (up to 100 m), you can count on Renegade to continue to perform.

Renegade is simple to use, as well. It offers direct access to parameter settings and an intuitive, bright interface to easily read them, even from a distance. For the advanced model, you can choose between a classic LED user interface or an innovative, color screen one.

## Industry

- Shipyards & Offshore Yards
- Civil Construction
- Pipe Construction
- Repair & Maintenance
- Heavy Fabrication
- Industrial & General Fabrication
- Mining
- Steel Erectors

- Highest durability housing with IP23 rating, ideal for indoor and outdoor use in demanding environments.
- TIG pulse up to 999 Hz to increase control of heat input and weld pool.
- Built-in PFC circuit to ensure a stable arc, even with extra long cables, up to 100 m
- Easy-to-read and quick-to-set panel, reduces downtime and improves accuracy
- Dual-current mode trigger allows users to switch between two output current levels to control the heat input and the size of the weld pool
- 4.3 in. color screen provides a visual presentation of adjustment (advanced model)
- Easily access up to 10 jobs by torch trigger (advanced model)
- Modular system with tool-less connection to optional water cooler and trolley
- New Exeor TIG torch included in advanced model

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



*Optional remote control*

# Renegade ET 180iP / ET 210iP / ET 210iP Advanced

Specifications				
Model	Renegade ET 180iP		Renegade ET 210iP / ET 210iP Advanced	
Mains Voltage	115/230 VAC ± 15%, 1ph, 50/60 Hz		115/230 VAC ± 15%, 1ph, 50/60 Hz	
Fuse Slow	16 A		16 A	
Rated KVA	3.3 KVA (115 VAC) 6 KVA (230 VAC)		3.3 KVA (115 VAC) 6 KVA (230 VAC)	
Energy Save Mode	<30 W		<30 W	
Welding Output MMA	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%	115 VAC: 110A / 24.4V at 25% 71A / 22.8V at 60% 55A / 22.2V at 100%	230 VAC: 210A / 28.4V at 25% 135A / 25.4V at 60% 105A / 24.2V at 100%
Welding Output TIG	115 VAC: 140A / 15.6V at 25% 90A / 13.6V at 60% 70A / 12.8V at 100%	230 VAC: 180A / 17.2V at 25% 116A / 14.6V at 60% 90A / 13.6V at 100%	115 VAC: 140A / 15.6V at 25% 90A / 13.6V at 60% 70A / 12.8V at 100%	230 VAC: 210A / 18.4V at 25% 135A / 15.4V at 60% 105A / 14.2V at 100%
Setting Range MMA	115 VAC MMA: 15A / 20.6V – 110A / 24.4V 230 VAC MMA: 15A / 20.6V – 180A / 27.2V		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 – 180A / 17.2V		115 VAC TIG: 10A/10.4V – 140A/15.6V 230 VAC TIG: 10A/10.4V – 210A/18.4V	
Power Factor Max Current	99 %		99 %	
Open Circuit VDC High	78 VDC		78 VDC	
Enclosure Class	IP23		IP23	
Operating Temperature	-10 to +40 °C (+14 to +104 °F)		-10 to +40 °C (+14 to +104 °F)	
Dimensions	460 x 200 x 320 mm		460 x 200 x 320 mm	
Supply plug	CEE 16 A		CEE 16 A	
Weight	11 kg		11 kg	

Ordering Information	
Renegade ET 180iP	0447700910
Renegade ET 210iP	0447700911
Renegade ET 210iP W (Water-cooled)	0447700912
Renegade ET 210iP Advanced	0447750890
Renegade ET 210iP W Advanced (Water-cooled)	0447750891

*Delivery includes:*

ET 180iP, ET210iP: power source, work lead 3 m, SR-B 26 torch 4 m, gas hose 4 m, shoulder strap.

ET 210iP W: power source, cooling unit EC 1001, work lead 3 m, SR-B 20 torch 4 m, gas hose 4 m, shoulder strap.

ET 210iP Advanced: power source, work lead 3 m, Exeor TIG SR 17 torch 4 m, gas hose 4 m, shoulder strap.

ET 210iP W Advanced: power source, cooling unit EC 1001, work lead 3 m, Exeor TIG SR 21 torch 4 m, gas hose 4 m, shoulder strap.

# Renegade ET 180iP / ET 210iP / ET 210iP Advanced

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
EC 1001 – water cooler	0445045881
Shoulder strap	0445197880
SR-B 26 Torch, Air, OKC 50, 4 m	0700025518
SR-B 26 Torch, Air, OKC 50, 8 m	0700025519
SR-B 20 Torch, Water, OKC 50, 4 m	0700025534
SR-B 20 Torch, Water, OKC 50, 8 m	0700025535
Exeor TIG SR 17 Torch, Air , 4 m	0700026220
Exeor TIG SR 17 Torch, Air , 8 m	0700026221
Exeor TIG SR 17-R Torch, Air , 4 m	0700026234
Exeor TIG SR 17-R Torch, Air , 8 m	0700026235
Exeor TIG SR 21 Torch, Water, 4 m	0700026290
Exeor TIG SR 21 Torch, Water, 8 m	0700026291
Exeor TIG SR 21-R Torch, Water, 4 m	0700026294
Exeor TIG SR 21-R Torch, Water, 8 m	0700026295



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