



ES150i PRO, ES200i PRO ET200iP PRO

RETHINK EVERYTHING YOU EXPECT
FROM PORTABLE MMA MACHINES



ES150i^{PRO} ES200i^{PRO} ET200iP^{PRO}



INDUSTRY

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

ES150i PRO, ES200i PRO ET200iP PRO

State-of-the-art welding performance and reliability through the latest high performance power electronics and Digital control - ensuring a precise consistent arc

The ES150i PRO, ES200i PRO AND ET200iP PRO are robust and durable power sources 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.

These machines provides a smooth DC (Direct Current) welding power which allows you to weld a variety 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 and can be used with electrodes up to 4.0mm[^] in diameter.

Easily performs TIG-welding. Equip the power source with optional TIG Torch[#], which has a built in gas valve, a regulator and a cylinder of argon gas and you are ready to weld mild steel or stainless steel, with or without filler material.

[#] TIG Torch is optional for ES 150i Pro and ES 200i Pro. ET 200iP Pro TIG torch is included in plant.

[^] Upto 4mm diameter electrodes on the ES200i Pro and ET200i Pro.



FEATURES

- **Superior Arc characteristics**
–Smooth, Stable performance.
- **Generator Compliant**
- Suitable for use with Generators (recommended; ES 150i Pro 5KW & ES 200i Pro, ET 200iP Pro 7KW).
- **Easy to Use** –Set the welding current and weld with excellent result
- **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 100m
- **Optional analogue remote control**



PERFORMANCE

The next-level technology gives you precise, professional, and consistent control for smooth, stable arc performance and low spatter levels across all types of MMA electrodes and weld positions. Adjustable hot start makes firing up your arc a breeze with even the most difficult electrodes. The adjustable arc force helps you increase penetration and prevent electrodes from sticking. Never before has an entry-level welder been packed with such high-quality performance.

POWER

Throw away your preconceptions about welders in this class – the power stacks up against machines twice its price. Included Power Factor Control (PFC) technology allows for a highly efficient and steady arc that is resistant to power fluctuations. Runs on 115 V or 240 V (with flexible automatic input voltage compensation, which makes it ideal for both main and generator power. With up to 25% duty cycle at 200A, has the strength to crush jobs on thicker materials.

STRENGTH

Its robust and rigid fiberglass moulded housing is built to withstand impact after impact, in the shop or in the field. Durable and weather resistant, with an IP23S rating for use in tough outdoor applications. Like every ESAB machine, these come with our industry-leading three-year warranty for unbeatable peace of mind.

Goodbye, cheaply constructed welders.

PORTABILITY

The compact and lightweight design makes it easy to carry from job to job. Weighing in at less than 9.6kg with its sturdy handle and included shoulder strap make it more comfortable than ever before to go wherever you need to. Plus, its stable arc performance means you can use long extension cables to work in even the most remote locations without affecting weld quality. It is the definition of a portable workhorse.

USABILITY

Tested in laboratories around the world to ensure it rises to global performance and usability standards. Its easy-to-use interface contains a large, precise digital display that can be easily read from up to 25m away. The optional remote control allows you to adjust current settings without needing to go back to the machine. No matter where you are working, ES150i PRO, ES200i PRO & ET200iP PRO simply welds well.

The days of entry-level mediocrity are over. With unconventional features, unprecedented performance, and an all-new industrial design, we are ushering in a new era of welding capability that will force you to rethink everything you expect from a portable MMA machine.

FEATURES	ES150i PRO	ES200i PRO	ET 200i PRO
 VRD	•	•	•
 PFC	•	•	•
 STICK - UP TO 4MM ELECTRODES	•	•	•
 CELLULOSE 6010 ELECTRODES		•	•
 ADJUSTABLE HOT START	•	•	•
 LIFT TIG	•	•	•
 HF TIG			•
 PULSE TIG			•
 DOWNSLOPE/UPSLOPE			•

ES150i PRO**0700500088**

Includes: 3m mains cable and plug, shoulder strap, carry case, 3m twist lock electrode holder, 3m return cable and clamp.

ES200i PRO**0700500090**

Includes: 3m mains cable and plug, shoulder strap, 3m return cable with clamp, 3m twist lock electrode holder and carry case

ET200iP PRO**0700500092**

Includes: 3m mains cable and plug, shoulder strap, 3m twist lock electrode holder, 3m return cable and clamp, TIG torch 26, 4m, regulator, TIG torch accessories kit, gas hose and carry case.

Options & Accessories

Shoulder strap	0700500086
Plastic Case	0700500085
MMA 4 Analogue Remote Control incl. 10m cable	0700500084
Electrode Holder, Handy 200 A with 25mm ² , 3m, OKC50	0700006900
Return cable kit, OKC 50, 3m	0700006901
Return cable kit, OKC 50, 5m	0700006885
TIG Torch 17V, OKC 50, 4m suits ES 150i Pro	0700300870
TIG Torch 26V, OKC 50, 4m suits ES 150i Pro and ES 200i Pro	0700300871
TIG Foot Control, 4.5m (15ft.) cable and 8-pin connector	W4014450

Specification

	ES150i PRO	ES200i PRO	ET200iP PRO
Supply Voltage	115/240V±15%, 1~50/60 Hz	115/240V±15%, 1~50/60 Hz	115/240V±15%, 1~50/60 Hz
Input Supply Plug	10A	15A	15A
Effective Input Current (I_{1eff}) Stick (MMAW)	14.5A (115V), 10A (240V)	14.5A (115V), 14.5A (240V)	14.5A (115V), 14.5A (240V)
Maximum Input Current (I_{1max}) Stick (MMAW)	29A (115V), 20A (240V)	29A (115V), 29A (240V)	29A (115V), 29A (240V)
Energy Save Mode Stick (MMAW), TIG (GTAW)	50W	50W	50W
Setting Range MMA TIG	20-110A (115V), 20-150A (240V) 10-140A (115V) 10-150A (240V)	20-110A (115V), 20-200A (240V) 10-140A(115V), 10-200A (240V)	20-110A (115V), 20-200A (240V) 10-140A(115V), 10-200A (240V)
Permissible load at STICK (MMAW)			
at 25% Duty Cycle	110A/24.4V (115V) 150A/26V (240V)	110A/24.4V(115V) 200A/28V (240V)	110A/24.4V(115V) 200A/28V (240V)
at 60% Duty Cycle	70A/22.8V (115V) 97A/23.9V(240V)	70A/22.8V (115V) 129A/25.2V (240V)	70A/22.8V (115V) 129A/25.2V (240V)
at 100% Duty Cycle	55A/22.2V (115V) 75A/23V (240V)	55A/22.2V (115V) 100A/24V (240V)	55A/22.2V (115V) 100A/24V (240V)
Permissible load at TIG (GTAW)			
at 25% Duty Cycle	140A/15.6V (115V) 150A/16V (240V)	140A/15.6V (115V) 200A/18V (240V)	140A/15.6V (115V) 200A/18V (240V)
at 60% Duty Cycle	90A/13.6V (115V) 97A/13.9V (240V)	90A/13.6V (115V) 129A/15.2V (240V)	90A/13.6V (115V) 129A/15.2V (240V)
at 100% Duty Cycle	70A/12.8V (115V) 75A/13V (240V)	70A/12.8V (115V) 100A/14V (240V)	70A/12.8V (115V) 100A/14V (240V)
Apparent power I₂ at maximum current	3.3kVA (115V) 4.8 kVA (240V)	3.3kVA (115V) 6.9 kVA (240V)	3.3kVA (115V) 6.9kVA (240V)
Power Factor at maximum current MMA TIG	0.99 0.99	0.99 0.99	0.99 0.99
Efficiency at maximum current MMA TIG	82% 82%	82% 82%	82% 82%
Open Circuit Voltage U₀ Max VRD Deactivated VRD Activated	78 V DC <30V	78 V DC <30V	78 V DC <30V
Operating Temperature	-10 to+40°C	-10 to+40°C	-10 to+40°C
Enclosure Class	IP23S	IP23S	IP23S
Application Class	S	S	S
Dimensions	403 x 153 x 264mm	403 x 153 x 264mm	403 x 153 x 264mm
Weight	8.4 kg	9.85 kg	9.6 kg
Warranty	3 Years	3 Years	3 Years

WARNING! If used under 115 VAC input supply, the supply plug rating must be greater than 20A.



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