

Rogue EMP 210 PRO

Portable multi-process MIG/MAG welding package



reddot winner 2024



Rogue EMP 210 PRO

Industry

- Automotive
- Automotive Bodies
- Agricultural Equipment
- Civil Construction
- Mechanical Contractors
- Repair and Maintenance
- Light Fabrication



Control panel

ESAB Rogue EMP 210 PRO is an inverter-based multi-process welding system designed to address all your welding project needs, from light fabrication to repair and maintenance. The system features industrial-grade arc performance and full featured controls that allow the welder to fine tune arc characteristics based on the material they are welding.

With a weight of only 16.7 kg, 230V single-phase input and compatibility with 10 kVA generators, this system provides maximum flexibility and portability, both in the shop and in the field.

- True multi-process with Synergic MIG, Manual MIG, MIG Brazing, Flux-Cored, Lift TIG, and MMA (including 6010)
- Intuitive 5.0 in TFT screen offers clear views with direct interaction
- Synergic Weld Programs – full range of welding parameters, 0.5 – 10.0 mm with single knob control
- Power Factor Correction (PFC) – ensures a stable arc, resistant to power fluctuations even while working on long extension cables up to 100 m
- Unique rugged industrial design – supporting multiple lift points and cable management
- Arc Dynamics – fine tune arc characteristics for a crisp/stiff arc for carbon steel or a smooth/soft arc for stainless steel
- Jobs – 10 memory save/recall function
- Multi-language display – configure the display to 1 of 29 languages
- Energy Save Mode – after 2 minutes of inactivity the unit will enter this state to reduce power consumption
- IP23S rated for indoor/outdoor use

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

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Specifications	
Mains Voltage	230 VAC \pm 10%, 1ph, 50/60 Hz
Energy Save Mode	50 W
MIG (GMAW) Welding Output	210 A / 24.5 V at 30% 136 A / 20.8 V at 60% 105 A / 19.2 V at 100%
MMA (SMAW) Welding Output	180 A / 27.2 V at 30% 116 A / 24.7 V at 60% 90 A / 23.6 V at 100%
TIG (GTAW) Welding Output	210 A / 18.0 V at 30% 136 A / 15.4 V at 60% 105 A / 14.2 V at 100%
Current Range	30 – 210 A
Voltage Range	12 – 26 V
Wire Dimensions Mild Steel & Stainless Steel Cored Wire & Aluminium	0.6 – 1.0 mm 0.6 – 1.0 mm
Wire Feed Speed	2.0 – 16.5 m/min
Max Spool Diameter	100 mm, 200 mm
Open Circuit Voltage	78 VDC
Efficiency at Max Current	> 82%
Power Factor at Max Current	0.99
Operating Temperature	-10 to +40°C
Protection Class	IP23S
Certification Mark (Standards)	CE
Dimensions L x W x H, incl. top handle	590 x 220 x 385 mm
Weight	16.7 kg

Ordering Information	
Description	Part Number
Rogue EMP 210 PRO Welding System	0700301092

Delivery includes: 210A multi-process power source with mains cable 16 A plug 3 m, MXL 201 MIG Torch Euro 3 m, Return cable kit, OKC 35-50 16 mm², 3 m, Electrode holder Handy 200A heavy duty 50 mm OKC 3 m, Gas Hose with quick connect/open 4.5 m, ESAB OK AristoRod 12.50 0.8 mm 1 kg, ESAB GoldRox Electrode, 2.5x350 mm 1 kg, Feed rolls 0.6/0.8 mm V (fitted), 0.8/0.9 mm V and 0.8/0.9 mm VK, Safety instruction.

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Options & Accessories

Description	Part Number
Trolley 2-wheel with cylinder support	0460330881
Kit, Mounting, Trolley Rogue EM/EMP	0349313730*
MXL 201 Gas-cooled Torch with Euro Connection, 3 m	0700025220
MXL 201 Gas-cooled Torch with Euro Connection, 4 m	0700025221
Gas Hose, quick connect/open, 4.5 m	0349312105
Return cable kit, OKC 50, 3 m	0700006901
Electrode holder, Handy 200A, heavy duty 50 mm OKC, 3 m	0700006900
TIG Foot Control, 4.5 m (15 ft) cable and 8-pin connector	W4014450
MMA 4 Analogue Remote-Control incl. 10 m (33 ft) cable and 8-pin connector	0700500084

* Mounting kit is required and purchased separately.

Wear & Spare Parts

Feed Roll, 0.6/0.8 mm V	0367556001
Feed Roll, 0.8/1.0 mm V	0367556002
Feed Roll, 1.0/1.2 mm V	0367556003
Feed Roll, 0.9/1.2 mm VK	0349312497
Feed Roll, 1.0/1.2 mm U	0367556004
Guide, Inlet, Wire, Steel	0558102928
Guide, Outlet, Wire, Steel	0558102929
Guide, Inlet, Wire, Aluminium	0558103096
Kit, Aluminium, Guide & Liner	0558103097
Key, Shaft, Motor, Drive	0558102930

Wear & Spare Parts

MXL 201 MIG Torch

Contact Tip M6 x 25, 0.6 mm	0700200063
Contact Tip M6 x 25, 0.8 mm	0700200064
Contact Tip M6 x 25, 0.9 mm	0700200065
Contact Tip M6 x 25, 1.0 mm	0700200066
Gas Nozzle, Conical, \varnothing 12 mm	0700200054
Gas Nozzle, Tapered, \varnothing 9.5 mm	0700200060
Gas Nozzle, Cylindrical, \varnothing 16 mm	0700200057
Gas Nozzle, FCAW, \varnothing 6.5 mm	0700200105
Nozzle Spring	0700200078
Conduit/Liner, MXL, steel	0700200085
Conduit/Liner, MXL, aluminum	0700200091
Conduit/Liner, MXL, stainless steel	0700025816

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Options & Accessories

Description	Part Number
ET 17V Torch, Gas-cooled, OKC 50, 4 m, w/8-pin	0700300869
SR-B 17V Torch, Gas-cooled, OKC 50, 4 m	0700025514*
SR-B 17V Torch, Gas-cooled, OKC 50, 8 m	0700025515*
SR-B 26V Torch, Gas-cooled, OKC 50, 4 m	0700025522*
SR-B 26V Torch, Gas-cooled, OKC 50, 8 m	0700025523*

* Requires foot control (W4014450) to enable output of the machine.

Wear & Spare Parts

SR-B Torches

Back cap Long	0157123029
Back cap Medium	0588000591
Back cap Short	0157123028
Heat shield	0366960016
Collet std. Ø 1.6 mm	0157123011
Collet std. Ø 2.4 mm	0157123012
Collet body std. Ø 1.6 mm	0157123016
Collet body std. Ø 2.4 mm	0157123017
Gas nozzle (no. 5)	0157123053
Gas nozzle (no. 6)	0157123054
Gas nozzle (no. 7)	0157123055
Gas nozzle (no. 8)	0157123056
Heat shield for gas lens	0366960021
Collet body gas lens Ø 1.6 mm	0157123022
Collet body gas lens Ø 2.4 mm	0157123023
Gas nozzle for gas lens (no. 5)	0157123058
Gas nozzle for gas lens (no. 6)	0157123059
Gas nozzle for gas lens (no. 7)	0157123060
Gas nozzle for gas lens (no. 8)	0157123061



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