

# Rebel™ EMP 205ic AC/DC

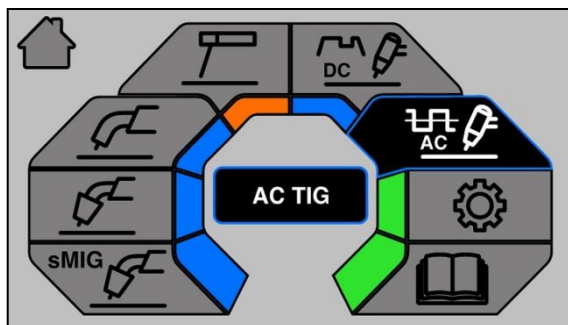
Portable, true all-process welding system



*Rebel EMP 205ic AC/DC and accessories.*

## Industry

- Light Fabrication
- Repair and Maintenance
- Automotive Bodies
- Food and Beverage
- Aluminium Trailers
- Boiler tubes
- Pipe Construction
- Mechanical Contractors
- Agricultural Equipment
- Training Schools



*Large 4.3 LCD - TFT Multilingual Display*

We made the impossible possible with the first-ever portable, all-process machine, complete with MIG, Flux-Cored, MMA, DC TIG, and now AC TIG capabilities, which means – yes – it TIG welds aluminium. It is a TRUE all-in-one welding system that delivers best-in-class performance in each process in the most portable, durable, go anywhere, weld anything industrial package on the market today.

- True All-Process – excellent performance on MIG, Flux-Cored, MMA (including 6010 electrodes), DC TIG and AC TIG industrial applications
- Advanced AC TIG Features like High Frequency Starts, Frequency Adjustment up to 400 Hz, Expanded Balance & Offset Control and Dual Current. DC TIG also offers a Pulse Mode up to 500 Hz.
- sMIG Technology - exclusive sMIG (“smart MIG”) feature continuously learns and adapts to the operator’s welding technique to provide a stable arc and superior, repeatable welds; increases productivity for the experienced welder, and reduces training time for novice welders
- Unmatched Portability and Durability – weighing in at only 25.5 kg, Rebel™ EMP 205ic AC/DC with 5 handle roll cage can tackle any job around the shop or out at the job site
- TFT Multilingual Display – packed full of features, Rebel EMP 205ic AC/DC has 4 programmable memory locations for each process, multi-language selection, trim adjustment, inductance control, pre/post flow control and spot weld setting - giving you the ability to fine tune your welds for the most optimal performance

Visit **esab.com** for more information.

# Rebel™ EMP 205ic AC/DC

Specifications	
Primary Voltage	230 VAC ±10%, 1 Φ, 50/60 Hz
Input Current Draw	30 A (29.6 A) @ 25% Duty Cycle
Maximum Output	205A / 24.25V (MIG) 170A / 26.8V (MMA) 205A / 18.2V (DC TIG)
MIG (GMAW/FCAW) Welding Output	205A / 24.3V @ 25% Duty Cycle 150A / 21.5V @ 40% Duty Cycle 125A / 20.3V @ 60% Duty Cycle 110A / 19.5V @ 100% Duty Cycle
MMA (SMAW) Welding Output	170A / 26.8V @ 25% Duty Cycle 125A / 25.0V @ 60% Duty Cycle 100A / 24.0V @ 100% Duty Cycle
TIG (GTAW) AC/DC Welding Output	205A / 18.2V @ 25% Duty Cycle 125A / 15.0V @ 60% Duty Cycle 110A / 14.4V @ 100% Duty Cycle
AC TIG Functionality Balance Range Frequency Range	60 – 90% 25 – 400 Hz
DC TIG Functionality Pulsed TIG (DC only)	0.1 – 500 Hz
Current Range	5-205A
MIG Welding Voltage Range	12 – 26 V
Wire Feed Speed Range	2.0 – 12.1 m/min
Open Circuit Voltage	68 V
Rated kVA	4.98 kVA (recommended > 7 kVA generator)
Power Factor at Max Current	0.98
Efficiency at Max Current	83%
Approvals	CE
Protection Class	IP23S
Dimensions, L x W x H	584 x 229 x 406 mm
Weight	25.5 kg

Ordering Information	
Rebel EMP 205ic AC/DC, CE	0700300998

*Delivery includes: power source with 3 m mains cable and plug, MXL 201 MIG torch 3 m, SR-B 26 TIG torch w. accessories (3 collet 1.6-3.2 mm, 3 collet body 1.6-3.2 mm, 1 long back cap, 3 ceramic nozzles and 3 gold tungstens 1.6-3.2 mm), electrode holder, return cable and clamp 3 m, gas hose with quick connector 4.5 m, drive rolls for 0.6, 0.8 and 1.0 mm wire, guide tubes 0.6-1.2 mm, thickness gauge tool*

Options & Accessories	
TIG Foot Control 4.5 m cable and 8-pin connector	W4014450
2-wheel trolley	0700300872
SR-B 26 TIG Torch, Gas, OKC50, 4 m	0700025580
SR-B 26 TIG Torch, Gas, OKC50, 8 m	0700025581
SR-B 26FX-R TIG Torch, Gas, OKC50, flex head, remote, 4 m	0700025589
SR-B 26FX-R TIG Torch, Gas, OKC50, flex head, remote, 8 m	0700025590
MXL 201 Gas-cooled MIG Torch with Euro Connection, 3 m	0700025220
Handy 200 Electrode Holder	0700006003

# Rebel™ EMP 205ic AC/DC

When choosing a top-performing welding machine you need top-performing ESAB Filler Metals.  
Learn more at [esab.com/fillermetals](https://esab.com/fillermetals) today.



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