



GO WELD IT! WITH CORE.

CORE 185^{MMA}

CORE 185^{MMA} is a single-phase power source for MMA welding, MMA pulsed welding, LIFT-TIG DC (L-GTAW) welding and LIFT-TIG DC spot welding functions built for the toughest job sites.

Due to its high-grade, hybrid, composite and galvanized steel construction, CORE power sources are portable, durable, and resilient. CORE is built to last!

Advanced customisable easy-to-read controls make setting parameters intuitive, and smart monitoring features keep welders informed.

CORE's ergonomic design is free from sharp edges making it easy to carry. The ergonomic and sturdy handle and shoulder strap makes CORE ready to weld anywhere.

Adjustable Hot Start and Arc Force functions ensure smooth arc starts and prevent electrode sticking, ideal for all welding positions.

Cool-Air management /wind tunnel, ensures optimal performance and minimising service and maintenance time and costs.

Whether you're chasing deadlines or laying down critical welds, CORE keeps pace with your skill and your schedule.



Experience The Perfect Weld Seam with Superior Arc Performance.

Benefits



Premium Performance MMA with synergic mode. Stable and smooth arc across all electrode types. Synergic function allows quicker set up time and transitions between different welding tasks.



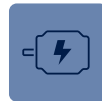
Advanced Pulsed MMA Arc Control provides operators with a stable arc, reduced spatter, less post-weld cleaning and faster travel speed. Ideal for thin gauge material, positional and out-of position welding applications.



TIG LIFT and TIG LIFT Spot Welding use a controlled arc initiation. The tungsten electrode touches the workpiece without contamination of work piece or electrode sticking. TIG Lift is cost-effective, good for limited spaces, and suitable when frequency sensitive devices are present.



The expansive high-contrast display ensures optimal user experience (UX) for maximum readability indoor and outdoor.



Auto Power Line Adaption (115/230V). CORE automatically adjusts to grid or generator power for maximum flexibility.



Welding Parameter Storage. Set it once. Repeat perfection. Save and recall ideal settings for consistent, repeatable results.

INDUSTRIES

- » General & Light Construction
- » Agricultural Industry
- » Maintenance & Repair



Built tough. Backed for longer. Industry-leading 5-year warranty for peace of mind.



Technical Data

CORE	185 ^{MMA}	
Dimensions	429 x 172 x 316 mm	
Weight	9.5 kg	
IP protection rate	IP23S	
Insulation Class	H	
Power supply cable	3 x 2.5 mm ² - 3 m	
Power plug type	16 A 250 V Type F	
Power supply (50/60 Hz)	1 x 230 (± 15 %)	1 x 115 (± 15 %)
Maximum Input Power	6.44 kVA	3.24 kVA
Maximum Input current	28 A	27 A
Efficiency	90.3 %	87.2 %
Power Factor (P.F.)	0.99	0.99
Duty factor - 40 °C	25 % - 185 A 60 % - 120 A 100 % - 93 A	25 % - 110 A 60 % - 71 A 100 % - 55 A
No-load voltage	76 Vdc	
CosΦ	0.99	
Welding current	20-185 A	20-110 A

Optional (field kit only)

Art. No.	Description
Coming soon	Remote control (wired)
Coming soon	Remote control cable 5 m
Coming soon	Remote control cable 10 m
Coming soon	Remote control cable 15 m
81.35.001	TIG torch BT17V 4 m
81.35.002	TIG torch BT17 4 m with trigger

Delivery Options

Art. No.	Description
55.22.002	CORE 185 ^{MMA} power source including stick electrode holder 3 m & work cable 3 m

Spare Parts

Art. No.	Description
71.24.001	Electrode holder with cables & plug 16 mm ² 3 m
71.25.001	Work cable with clamp & plug 16 mm ² 3 m
71.24.002	Electrode holder with cables & plug 25 mm ² 3 m
71.25.002	Work clamp with cables & plug 25 mm ² 3 m



71.24.001 Stick electrode holder



71.25.001 Work cable

Watch CORE in action



Visit our website to download the user manual

