

WARRIOR EDGE 500 CX

Powerful multi-process welding power source



Warrior Edge 500 CX is an easy-to-use, high-performing and connected multi-process welding machine.

Featuring integrated WeldCloud connectivity, the wire feeder RobustFeed Edge offers increased productivity and improved quality management, with wire and gas consumption tracking.

Equipped with TrueFlow, ESAB's digital gas flow control system, RobustFeed Edge effectively manages consumable resources, both in starts and while welding, thus reducing overall resource consumption.

Additional features include an adaptive optimized pulse MIG process that compensates for operator variation with an easy, user-friendly setup designed to achieve excellent weld results.

- Fit for purpose weld mode SPEED that provides a focused arc that allows the welder to better and easier handle the weld puddle at higher travel speeds thus increasing the productivity
- Integrated, 1.4 kW high performance cooling unit

RobustFeed Edge features

- Effective and quick to set-up operator management system that allows locking down quick-jobs with setting limits improves repeatability and adherence to welding procedure specifications
- The 2021 Red Dot design award winning design provides well-designed ergonomics and intuitive user interface that reduces training needs for operators
- SpoolSafe - unique in the market IP54 protection against dirt/dust, keeping your wire dry and clean, protecting the integrity of your weld
- PreciDrive wire drive system maintains precision wire feeding performance to promote consistent weld quality
- A hybrid HMI solution with material selection and configurations on a TFT-screen inside the unit with a clear and easy to use external display for everyday operation makes unit easy to operate



Warrior Edge 500 CX and
RobustFeed Edge CX

Industry

- Industrial and General Fabrication
- Structural Steel Fabrication
- Transportation
- Railcars
- Mobile Equipment
- Tank and Vessel Fabrication
- Pressure Vessels
- Energy

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

WARRIOR EDGE 500 CX

Specifications	
Mains Voltage	380 - 460 V \pm 10%, 3ph, 50/60 Hz
Welding Output GMAW (MIG/MAG)	500 A / 39.0 V at 60% Duty Cycle 400 A / 34.0 V at 100% Duty Cycle
Welding Output SMAW (Stick)	500 A / 40.0 V at 60% Duty Cycle 400 A / 36.0 V at 100% Duty Cycle
Welding Output GTAW (TIG)	500 A / 30.0 V at 60% Duty Cycle 400 A / 26.0 V at 100% Duty Cycle
Setting Range GMAW (MIG/MAG)	16 A / 14.8 V - 500 A / 39 V
Setting Range SMAW (MMA)	16 A / 20.6 V - 500 A / 40 V
Setting Range GTAW (TIG)	5 A / 10.2 V - 500 A / 30 V
Standby Power	43 W
Open Circuit Voltage	54.8 V
Efficiency at Max Current (MMA)	89%
Power Factor at Max Current (MMA)	0.91
Efficiency at Max Current MIG/MAG	88%
Power Factor at Max Current MIG/MAG	0.93
Dimensions L x W x H	700 x 325 x 680 mm
Weight	85 kg
Operating Temperature	-20 to +55°C
Enclosure Class	IP23
Application Class	S
Insulation Class	H
Certification Mark (Standards)	CE
Cooling Unit	
Cooling Power	1,4 kW
Coolant Volume	4.7 l
Max Flow	2.0 l/min
Max Pressure	4.5 bar

WARRIOR EDGE 500 CX

Ordering Information

Warrior Edge 500 CX, 380-460 V, CE	0446300880
Warrior Edge 500 CX II (incl. SPEED), 380-460 V, CE	0446300884

Options & Accessories

Coolant 10 l.	0465720002
4-wheel Trolley	0349313450
4-wheel Feeder Trolley for >300 mm Spools	0349313700
Guide Pin Extension Kit	0465508880
Wheel Kit, power source	0465416880
RobustFeed Wheel Kit*	0446081880
Boom Adaptor (Lifting Device)	0446956880
Torch Holder Assembly RobustFeed	0446958880
Torch Strain Relief RobustFeed	0446082880
Quick Connector Marathon Pac	F102440880
Analogue Remote, 10m	0446870880
Analogue Remote, 15m	0446870881
Analogue Remote, 25m	0446870882

* Extension Kit 0465508880 required when Wire Feeder Wheel Kit is used in combination with Trolley 0349313450.

Torches

Description	3 m	4 m	5 m
Exeor MIG 4.0G ² , Gas-Cooled *	0700025752	0700025753	0700025754
Exeor MIG 4.0G ² CX, Gas-Cooled, Up/down **	0700025755	0700025756	0700025757
Exeor MIG 4.0W ² , Water-Cooled *	0700025727	0700025728	0700025729
Exeor MIG 4.0W ² CX, Water-Cooled, Up/down **	0700025730	0700025731	0700025732

* Torch with enhanced cooling performance.

** Torch with enhanced cooling performance. Includes Torch LED light and CX remote module for JOB selection / WFS / V.

For more information on Exeor torches please see separate fact sheets.

WARRIOR EDGE 500 CX

Wire Feeder & Control Panel

RobustFeed Edge BX, Water-cooled, Euro	0446600880
RobustFeed Edge CX, Water-cooled, Digital Gas Control, Heater, Euro	0446600881

For complete list of wire feeder accessories and interconnection cables please see separate fact sheets or instruction manuals.

Interconnection Cables

	Gas-Cooled	Water-Cooled
Interconnection Cables - 70mm ² , 2.0 m	0446310880	0446310890
Interconnection Cables - 70mm ² , 5.0 m	0446310881	0446310891
Interconnection Cables - 70mm ² , 10.0 m	0446310882	0446310892
Interconnection Cables - 70mm ² , 15.0 m	0446310883	0446310893
Interconnection Cables - 70mm ² , 20.0 m	0446310884	0446310894
Interconnection Cables - 70mm ² , 25.0 m	0446310885	0446310895
Interconnection Cables - 70mm ² , 35.0 m	0446310886	0446310896
Interconnection Cables - 95 mm ² , 2.0 m	0446310980	0446310990
Interconnection Cables - 95mm ² , 5.0 m	0446310981	0446310991
Interconnection Cables - 95mm ² , 10.0 m	0446310982	0446310992
Interconnection Cables - 95mm ² , 15.0 m	0446310983	0446310993
Interconnection Cables - 95mm ² , 20.0 m	0446310984	0446310994
Interconnection Cables - 95mm ² , 25.0 m	0446310985	0446310995
Interconnection Cables - 95mm ² , 35.0 m	0446310986	0446310996



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