

ESAB Warrior™ 500i CC/CV

Powerful Multi-Process Welding Machines



PRECIDRIVE



reddot winner 2021

The reliable multi-process welding equipment designed for heavy duty productivity with up to 500 amps delivered.

- **Durable and rugged** – Suitable for outdoor and indoor use in rough environments. Warrior paired with Robust Feed PRO, with its robust and weatherproof enclosed design provide the ideal solution whenever portability and durability are key.
- **Easy-to-use** – Clear and intuitive user interface for everyone to get started quickly. Glove-friendly knobs make adjustments quick and easy.
- **High-Duty Cycle** – For long runs across a variety of applications and delivers 500 A at 60% Duty Cycle.
- The 2021 Red Dot design award winning design of the RobustFeed also provides additional benefits including, best in class enclosure from moisture and dust to keep the spool safe, an integrated heater and flow meter and well-designed ergonomics.
- PreciDrive wire drive system maintains precision wire feeding performance to promote consistent weld quality. The powerful drive system enables same level of control even for large diameter wires for hardfacing or other demanding applications

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

Industry

- Marine and Offshore
- Steel Erectors
- Structural Steel Fabrication
- Industrial and General Fabrication
- Hard Surfacing and Cladding
- Repair and Maintenance
- Mobile Equipment
- Pressure Vessels
- Pipeline



ESAB Warrior™ 500i CC/CV

Specifications	
Model	500i CC/CV
Mains Voltage	380 – 400-415 V, 3ph, ± 10%
Supply Frequency	50/60 Hz
Fuse Slow	32 A
Permissible Load at 60% Duty Cycle GMAW (MIG/MAG)	500 A / 39 V
Permissible Load at 100% Duty Cycle GMAW (MIG/MAG)	400 A / 34 V
Permissible Load at 60% Duty Cycle SMAW (Stick)	500 A / 40 V
Permissible Load at 100% Duty Cycle SMAW (Stick)	400 A / 36 V
Permissible Load at 60% Duty Cycle GTAW (TIG)	500 A / 30 V
Permissible Load at 100% Duty Cycle GTAW (TIG)	400 A / 26 V
Setting Range GMAW (MIG/MAG)	16 – 500 A
Setting Range SMAW (Stick)	16 – 500 A
Setting Range GTAW (TIG)	5 – 500 A
Efficiency at Max Current	89%
Power Factor Max Current	0.91
Energy Save Mode	30 W
Open Circuit Voltage	56 VDC
Open Circuit Voltage VRD Activated	< 35VDC
Mains Cable Ø mm²	4 x 6
Operating Temperature	10 to +40 °C (+14 to +104 °F)
Dimensions LxWxH	712 x 325 x 470 mm (28.1 x 12.8 x 18.5 in.)
Weight	59 kg (130 lbs)
Enclosure class	IP23
Certification Mark	CE, CSA

Ordering Information	
WARRIOR™ 500i CC/CV PLANT WITH ROBUST FEED PRO-OS (SPAC VERSION)	W1009760
Interconnection Cables	
Interconnection Cables – 70 mm², Gas-Cooled, 2.0 m (6.5 ft)	0459836880
Interconnection Cables – 70 mm², Gas-Cooled, 5.0 m (16.5 ft)	0459836881
Interconnection Cables – 70 mm², Gas-Cooled, 10.0 m (16.5 ft) (included)	0459836882
Interconnection Cables – 70 mm², Gas-Cooled, 15.0 m (49.2 ft)	0459836883
Interconnection Cables – 70 mm², Gas-Cooled, 25.0 m (82 ft)	0459836884
Interconnection Cables – 70 mm², Gas-Cooled, 35.0 m (82 ft)	0459836885
Interconnection Cables – 70 mm², Liquid-Cooled, 2.0 m (6.5 ft)	0459836890
Interconnection Cables – 70 mm², Liquid-Cooled, 5.0 m (16.5 ft)	0459836891
Interconnection Cables – 70 mm², Liquid-Cooled, 10.0 m (16.5 ft)	0459836892
Interconnection Cables – 70 mm², Liquid-Cooled, 15.0 m (49.2 ft)	0459836893
Interconnection Cables – 70 mm², Liquid-Cooled, 25.0 m (82 ft)	0459836894
Interconnection Cables – 70 mm², Liquid-Cooled, 35.0 m (82 ft)	0459836895

*** Package Includes:**

Robust Feed Pro,W (fitted with 0.9/1.2mm V Groove feed rolls), Gas-Cooled interconnection cable 10m, intercom. strain relief, work lead & clamp 5m, Tweco 4, 4.5m Euro MIG Torch, Argon Regulator, Gas Fitting 5/8"-18UNF, Trolley & operation Manual.

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Torch Options

Gouging Accessories

Arcair K4000 Air Carbon-Arc Gouging Torch & Cable, Heavy Duty, (1000 A, 80 PSI / 25 CFM, 2.1m)	AA61082008
Arcair Trade K4000 Air Carbon-Arc Gouging Torch & Cable, Heavy Duty, (1000 A, 2.1m)	ATK4000

MIG Guns

TWECO 4 Heavy Duty MIG Gun (Euro, 400A, 3.6m-12ft)	W52TT4E36H
TWECO 4 Heavy Duty MIG Gun (Euro, 400A, 4.5m-15ft)	W52TT4E45H
TWECO 4 Classic MIG Gun (Euro, 400A, 3.6m-12ft)	OTWX412/3545
TWECO 4 Classic MIG Gun (Euro, 400A, 4.5m-15ft) (included)	OTWX415/3545
ESAB EXEOR PSF 515 (Euro, 450A, 3m)	0700026411
ESAB EXEOR PSF 515 (Euro, 450A, 4m)	0700026412
ESAB EXEOR PSF 430W (Euro, 450A, 3m)	0700026420
ESAB EXEOR PSF 430W (Euro, 450A, 4m)	0700026421
ESAB EXEOR PSF 520W (Euro, 500A, 3m)	0700026425
ESAB EXEOR PSF 520W (Euro, 500A, 4m)	0700026426

Ordering Information

Wire Feeders

Robust Feed Pro Offshore (incl. gas flow meter + heater) Euro Water (included)	0445800883
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Options & Accessories

Wheel Kit, Robust Feed	0446081880
Wheel Kit, power source	0465416880
Trolley	0465510880
Guide Pin Extension Kit	0465508880
Robust Feed Interconnection Strain Relief Kit *** (included)	0446050880
COOL 2 Cooling Unit	0465427880
Remote control AT1	0459491896
Remote control AT1 CoarseFine	0459491897
Remote control M1	0459491895
Remote outlet kit power source, 12p	0465424880
Remote outlet kit feeder, 23p	0465451880
Remote Adapter kit Miggytrac/Railtrac	0465451881
Remote cable 5 m (16.5 ft)	0459553880
Stabilizer kit Warrior for Counterbalance Arm	0465509880
MiniBoom counterbalance device (Requires P/N's 0460565880, 0461310880 and 0460946880)	0458705880
Female gas hose quick-connector	0365803002



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