Warrior™ 500i ECHO CC/CV

Powerful multi-process welding machines



reddot winner 2021

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

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 RobustFeed AVS ECHO or RobustFeed 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 **IP54** 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
- Built in ECHO communication through the welding cable allows adjustment of the welding voltage from the RobustFeed AVS ECHO without the need for a command cable.

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



Warrior™ 500i ECHO CC/CV

Specifications	
Model	**500i ECHO CC/CV**
Mains Voltage	380 - 415 V ± 10%, 3 Φ
Supply Frequenzy	50/60 Hz
Fuse Slow	32 A
Permissible Load at 60% Duty Cycle MIG/MAG	500 A / 39 V
Permissible Load at 100% Duty Cycle MIG/MAG	400 A / 26 V
Permissible Load at 60% Duty Cycle MMA	500 A / 40 V
Permissible Load at 100% Duty Cycle MMA	400 A / 36 V
Permissible Load at 60% Duty Cycle TIG	500 A / 30 V
Permissible Load at 100% Duty Cycle TIG	400 A / 26 V
Setting Range MIG/MAG	16 – 500 A
Setting Range MMA	16 – 500 A
Setting Range TIG	5 – 500 A
Efficiency at Max Current MIG/MAG	90 %
Power Factor Max Current	0.91
Energy Save Mode	30 W
Open Circuit Voltage	56 VDC
Open Circuit Voltage VRD Activated	28 VDC
Mains Cable Ø mm2	4 x 6
Operating Temperature	-10 to +40 °C
Dimensions LxWxH	712 x 325 x 470 mm
Dimensions w/ Cooling Unit LxWxH	712 x 325 x 700 mm
Weight	59 kg
Weight w/ Cooling Unit (excl. coolant)	74 kg
Enclosure class	IP23
Certification Mark	CE

For specifications on compatible wire feeders please see separate fact sheet and manual.

Specifications COOL 2 Cooling Unit (optional)	
Supply Voltage	40 VAC
Cooling Power	1 kW
Coolant Volume	4.5 l
Max Flow	1.8 l/min
Max Pressure	4.6 bar
Dimensions LxWxH	680 x 330 x 230 mm
Weight	15.5 kg
Weight w/ coolant	20 kg

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Ordering Information	
Warrior 500i ECHO CC/CV 380-415V, CE	0448550880

Delivery includes: Power source, 5 m return cable with earth clamp, 5 m mains cable, Instruction manual, Quick start guide, Safety instruction manual.

Wire Feeders	
RobustFeed AVS ECHO, CE Euro	0448700880
RobustFeed Pro, Water	0445800881
RobustFeed Pro Offshore, Water (incl. gas flow meter+heater)	0445800883
Warrior Feed 304w	0465250881

Options & Accessories	
COOL 2 Cooling Unit	0465427880
Coolant Liquid - Glidex Extra II (10 l)	0465720002
4-wheel Trolley, Power Source	0349313450
Counterbalance Arm RobustFeed **	0448181880
Counterbalance Arm Extension Kit for use with 6m and 7.5m torches	0448116880
Stabilizer Kit for Counterbalance Arm **	0460946880
Wheel Kit, Power Source	0465416880
Feeder Mounting Kit, Power Source Assembly incl cable holders	0447518880
RobustFeed Wheel Kit *	0446081880
Guide Pin Extension Kit *	0465508880
Torch Holder RobustFeed	0446958880
Torch Strain Relief RobustFeed	0446082880
Boom Adaptor (Lifting Device)	0446956880
Quick Connector Marathon Pac	F102440880
4-wheel Feeder Trolley for >300 mm Spools	0349313700
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 [1)]	0465451880
Remote Adapter kit Miggytrac/Railtrac [1)]	0465451881
Remote cable M1- 5m	0459553880
Remote cable M1- 10m	0459553881
Remote cable M1 - 25m	0459553883
Arcair® K4000 Carbon-Arc Gouging Torch & Cable, Heavy Duty, (1000A, up to 13 mm round-and 16 mm flat electrodes)	61082008

** Extension Kit 0465508880 required when Wire Feeder Wheel Kit is used in combination with Trolley 0349313450.*
*** Stabilizer Kit 0460946880 required when Counterbalance is used in combination with Trolley 0349313450*
[1)] *Not for use with RobustFeed.*

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Torches			
	3 m	**4 m**	**5 m**
Exeor PSF 415, with Euro Connection	0700026406	0700026407	0700026408
Exeor PSF 515, with Euro Connection	0700026411	0700026412	0700026413
Exeor PSF 420W, with Euro Connection	0700026415	0700026416	0700026417
Exeor PSF 520W, with Euro Connection*	0700026425	0700026426	0700026427

** With dual-circuit cooling system for less heat, better wire feedability and fewer production stops to change wear parts.*

Interconnection Cables, incl. Strain Relief							
RobustFeed PRO	**2.0 m**	**5.0 m**	**10.0 m**	**15.0 m**	**20.0 m**	**25.0 m**	**35.0 m**
70mm^2, Gas-Cooled	0446160880	0446160881	0446160882	0446160883	0446160887	0446160884	0446160885
70mm^2, Liquid-Cooled	0446160890	0446160891	0446160892	0446160893	-	0446160894	0446160895
95mm^2, Gas-Cooled	0446160980	0446160981	0446160982	0446160983	-	0446160984	0446160985
95mm^2, Liquid-Cooled	0446160990	0446160991	0446160992	0446160993	-	0446160994	0446160995
Interconnection Strain Relief Kit **	0446050880						
Warrior Feed 304	**2.0 m**	**5.0 m**	**10.0 m**	**15.0 m**	**20.0 m**	**25.0 m**	**35.0 m**
70mm^2, Gas-Cooled	0459836880	0459836881	0459836882	0459836883	-	0459836884	0459836885
70mm^2, Liquid-Cooled	0459836890	0459836891	0459836892	0459836893		0459836894	0459836895

*** To upgrade existing Warrior interconnection cable sets to fit with RobustFeed.*

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