

# Aristo® 500ix

Powerful multi-process welding machines



reddot winner 2021

*Aristo 500ix and RobustFeed U6*

Aristo® 500ix is a portable heavy industrial pulse power source with robust and reliable mechanical design. Together with RobustFeed U6, Pulse or U82 with its award winning ergonomic, robust and enclosed design, it is the perfect solution for fabricators valuing welding quality and equipment reliability.

Aristo 500ix has thick double bent metal side panels providing easy access for service and maintenance. Both power source, feeder and trolley provide dedicated lifting points for safe and easy logistics.

Depending on selected wire feeder, functionalities range from key pulse welding features up to and including parameter limits & lock and in U82 other advanced processes with the SuperPulse functionality.

- Advanced pulse functionality reducing heat input, weld spatter and post weld clean up, controlling bead appearance and profile, increased speed for position welding and more depending on the application
- Up to 259 manual and 68 robotic pre-programmed synergic lines (U82 Plus) allows for a broad range of applications
- QSet welding mode that features automatic adaptation to varying contact tip to work piece distances
- Crater filling, adjustable burn back time and SCT (short circuit termination) options for defect-free weld terminations
- Durable and rugged – Both the power source and wire feeder has a well proven reliability even in the harshest environments
- PreciDrive wire drive system maintains precision wire feeding performance to promote consistent weld quality

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

## Industry

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

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<b>Specifications</b>	
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 (Stick)	16 A / 20.6 V - 500 A / 40 V
Setting Range GTAW (TIG)	5 A / 10.2 V - 500 A / 30 V
Open Circuit Voltage	58 V
Efficiency at Max Current, MIG/MAG	90%
Power Factor at Max Current, MIG/MAG	0.91
Dimensions L x W x H	712 x 325 x 470 mm
Weight	58.5 kg
Operating Temperature	-20 to +40 °C
Enclosure Class	IP23
Application Class	S
Insulation Class	H
Certification Mark (Standards)	CE
<b>Cool 2 Cooling Unit</b>	
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 L x W x H	680 x 330 x 230 mm
Weight	15 kg
Weight w/ coolant	19.5 kg

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## Ordering Information

Aristo 500ix, CE

0446200880

*Delivery includes: Power source, 5 m (16 ft) return cable with earth clamp, 5 m (16 ft) mains cable, Instruction manual, Quick start guide, Safety instruction manual.*

## Options & Accessories

COOL 2 Cooling Unit	0465427880
Coolant 10 l.	0465720002
4-wheel Trolley	0349313450
Retrofit Kit RobustFeed	0349313100
Flow Guard kit ***	0447775880
Guide Pin Extension Kit **	0465508880
Counterbalance Arm, RobustFeed *	0448181880
Counterbalance Arm, 3004 *	0458705880
Stabiliser kit for Counterbalance Arm	0465509880
Wheel Kit, power source	0465416880
RobustFeed Wheel Kit	0446081880
Boom Adaptor (Lifting Device)	0446956880
Torch Holder RobustFeed	0446958880
Torch Strain Relief RobustFeed	0446082880
Quick Connector Marathon Pac	F102440880

\* Counterbalance Arms require Trolley 0349313450 and Stabiliser kit 0465509880.

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

\*\*\* Works with Cool2 units produced June 2023 or later.

## Torches

	3 m	4 m	5 m
Exeor PSF 415, (325A) with Euro Connection	0700026406	0700026407	0700026408
Exeor PSF 420W, (400A) with Euro Connection	0700026415	0700026416	0700026417
Exeor MIG 4.0G <sup>2</sup> (420A) Gas-Cooled*	0700026056	0700026057	0700026058
Exeor MIG 4.0W <sup>2</sup> (450A) Water-Cooled*	0700026050	0700026051	0700026052

\* Torch with enhanced cooling of swan neck for improved performance.

## Interconnection Cables

	Gas-Cooled	Water-Cooled
Interconnection Cables - 70mm <sup>2</sup> , 2.0m, incl. strain relief	0446255880	0446255890
Interconnection Cables - 70mm <sup>2</sup> , 5.0m, incl. strain relief	0446255881	0446255891
Interconnection Cables - 70mm <sup>2</sup> , 10.0m, incl. strain relief	0446255882	0446255892
Interconnection Cables - 70mm <sup>2</sup> , 15.0m, incl. strain relief	0446255883	0446255893
Interconnection Cables - 70mm <sup>2</sup> , 20.0m, incl. strain relief	0446255884	0446255894
Interconnection Cables - 70mm <sup>2</sup> , 25.0m, incl. strain relief	0446255885	0446255895
Interconnection Cables - 70mm <sup>2</sup> , 35.0m, incl. strain relief	0446255886	0446255896
Interconnection Strain Relief Kit Aristo **	0446050881	

\*\* To upgrade existing Aristo interconnection cable sets to fit with RobustFeed

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<b>Wire Feeder &amp; Control Panel</b>	
RobustFeed Pulse Water-cooled Euro <sup>2)</sup>	0445800894
RobustFeed Pulse (incl. gas flow meter, heater, MMA outlet) Water-cooled Euro <sup>2)</sup>	0445800891
RobustFeed Pulse (incl. push-pull, ELP, gas flow meter, heater, MMA outlet) Water-cooled Euro <sup>1)</sup>	0445800892
RobustFeed U6 Water-cooled Euro <sup>2)</sup>	0445800897
RobustFeed U6 (incl. gas flow meter, heater, MMA outlet) Water-cooled Euro <sup>2)</sup>	0445800887
RobustFeed U6 (incl. push-pull, ELP, gas flow meter, heater, MMA outlet) Water-cooled Euro <sup>1)</sup>	0445800888
RobustFeed U82 (incl. U82 Plus, ELP) Water-cooled Euro	0445800899
RobustFeed U82 (incl. U82 Plus, ELP, gas flow meter, heater, MMA outlet) Water-cooled Euro	0445800898
RobustFeed U82 (incl. U82 Plus, ELP, gas flow meter, heater, MMA outlet, push-pull) Water-cooled Euro <sup>1)</sup>	0445800900
<b>Aristo U82 Control Panel</b>	
Aristo U82 complete incl. Holder	0460820880
Aristo U82 Plus complete incl. Holder	0460820881
Control cable extension U82 7.5 m	0460877891

1) Available remote M1

2) Available remotes, MTA1 CAN, AT1 CAN and other

ELP feature needed for use with legacy equipment for example Cool 1.

RobustFeed Pulse/U6/U82 with push-pull has support for remote control and mechanisation with Miggytrac B5001 & Railtrac B42V/BV2000.  
Compatible push-pull torches MXH 315PP and MXH 420wPP.



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