

Aristo 500ix

Powerful multi-process welding machines



Aristo 500ix and Robust Feed U6

Aristo 500ix is a portable heavy industrial pulse power source with robust and reliable mechanical design. Together with Robust Feed U6 or Pulse it is the perfect solution for demanding pulse applications.

Aristo 500ix has thick metal side panels with double bent side panels and large feet providing clearance and making the unit fit for use in tough environments. The large side panels provide easy access for service and maintenance. Ergonomic handles that are safe and marked for crane lifting provide easy logistics. The unit comes with a sturdy cart featuring dedicated crane lifting points, a torch holder and large cable holders.

- Advanced pulse functionality reduces heat input and minimises spatter
- Up to 250 pre-programmed synergic lines (U82 Plus)
- QSet™ intelligent welding system
- Crater filling, adjustable burn back time and SCT (short circuit termination) options for defect-free weld terminations
- Durable and rugged – IP23 rating for outdoor and indoor use in rough environments
- Compatible with Robust Feed U6 and Pulse, rugged and portable feeder units with excellent feeding performance
- MMA and gouging available from feeder

Visit **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



Aristo 500ix

Specifications	
Mains Voltage	380 - 460 V ±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
Open Circuit Voltage	58 V
Efficiency at Max Current	88%
Power Factor at Max Current	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
Cool 2 Cooling Unit	
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

Aristo 500ix

Ordering Information

Aristo 500ix, CE	0446200880
------------------	------------

Options & Accessories

COOL 2 Cooling Unit	0465427880
Coolant 10 l.	0007810012
Wheel Kit, power source	0465416880
Remote control MTA1 CAN	0459491880
Remote control unit AT1	0459491896
Remote control AT1 CoarseFine	0459491897
Remote control adapter RA 23	0459491911
Remote control cable 12 pole - 8 pole 5 m	0459552880
Remote control cable 12 pole - 8 pole 10 m	0459552881
Remote control cable 12 pole - 8 pole 15 m	0459552882
Remote control cable 12 pole - 8 pole 25 m	0459552883
Remote Outlet Kit for Power Source	0465424880
Stabiliser kit for Counterbalance Arm	0465509880
Counterbalance Arm *	0458705880
Robust Feed Wheel Kit	0446081880
Torch Strain Relief	0446082880
Trolley (Robust Feed/Warrior Feed)	0349313450
Trolley Retrofit Kit Robust Feed †	0349313100
Guide Pin Extension Kit **	0465508880
Liquid Cooling Kit (to upgrade gas-cooled feeders)	0446123880
Quick Connector Marathon Pac	F102440880
Gas-Cooled Torches	
PSF 415, with Euro Connection, 3m	0700025040
PSF 415, with Euro Connection, 4m	0700025041
PSF 415, with Euro Connection, 5m	0700025042
PSF 515, with Euro Connection, 3m	0700025050
PSF 515, with Euro Connection, 4m	0700025051
PSF 515, with Euro Connection, 5m	0700025052
Water-Cooled Torches	
PSF 420W, with Euro Connection, 3m	0700025060
PSF 420W, with Euro Connection, 4m	0700025061
PSF 420W, with Euro Connection, 5m	0700025062
PSF 520W, with Euro Connection, 3m	0700025070
PSF 520W, with Euro Connection, 4m	0700025071
PSF 520W, with Euro Connection, 5m	0700025072

* Not for use with Robust Feed. Counterbalance Arm requires Trolley 0349313450/0460565880 and Stabiliser kit 0465509880.

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

† To fit Robust Feed on existing Warrior Trolley 0465510880

Aristo 500ix

Wire Feeder & Control Panel		
Feeders	Gas-cooled	Water-cooled
Robust Feed Pulse (incl. gas flow meter+heater) Water-cooled Euro	-	0445800891
Robust Feed Pulse (incl. push-pull, gas flow meter+heater) Water-cooled Euro	-	0445800892
Robust Feed Pulse (incl. gas flow meter) Water-cooled Euro	-	0445800894
Robust Feed U6 (incl. gas flow meter+heater) Water-cooled Euro	-	0445800887
Robust Feed U6 (incl. push-pull, gas flow meter+heater) Water-cooled Euro *	-	0445800888
Aristo Feed 3004, MA25 Steel	0460526672	0460526673
Aristo Feed 3004, MA25 Aluminium	0460526670	0460526671
Aristo Feed 3004, U6 Encl. 10 pole	0460526886	0460526896
Aristo Feed 3004, M0 Encl. 10 pole	0460526881	0460526891
Aristo Feed 4804w, U6 Encl. 10 pole	-	0460526996
Aristo Feed 4804w, M0 Encl. 10 pole	-	0460526991
Aristo YardFeed 2000w, U6 Encl. 10 pole	-	0459906896
Aristo U82 Control Panel		
Aristo U82 complete incl. Holder	0460820880	
Aristo U82 Plus complete incl. Holder	0460820881	
Control cable extension U82 7.5 m	0460877891	

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

* Robust Feed U6 with push-pull has support for remote control and mechanisation with Miggytrac/Railtrac.



ESAB / esab.com

