

Aristo[®] 500ix

Powerful multi-process welding machines



Aristo 500ix, Robust Feed U6 on cart

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 provides 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 minimizes 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.



Aristo 500ix and Robust Feed U6

Industry

- General Industrial Fabrication
- Energy
- Windtowers
- Transportation
- Railcars
- Mining
- Mobile Machinery
- Steel Industry
- Ship/Barge Building
- Offshore Oil

Aristo® 500ix

Specifications	
Mains Voltage	380 – 575 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 (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	88%
Power Factor at Max Current	0.91
Dimensions L x W x H	28 x 13 x 18.5 in (712 x 325 x 470 mm)
Weight	129 lbs (58.5 kg)
Operating Temperature	-20 to +40 °C (-4 to 131 °F)
Enclosure Class	IP23
Application Class	S
Insulation Class	H
Certification Mark (Standards)	CSA
Cool 2 Cooling Unit	
Supply Voltage	40 VAC
Cooling Power	1 kW
Coolant Volume	1.2 gal (4.5 l)
Max Flow	0.48 gal/min (1.8 l/min)
Max Pressure	66.7 PSI (4.6 bar)
Dimensions L x W x H	27 x 13 x 9 in (680 x 330 x 230 mm)
Weight	33 lbs (15 kg)
Weight w/ coolant	43 lbs (19.5 kg)

Easy 2 Step Ready To Weld Package Selection:

Step 1: Select Basic Package

Step 2: Select Interconnection Length

Ordering Information	Power Source Only	Basic Packages*	
Aristo 500ix, 380 – 575V	0446200881	w/ Robust Feed Pulse	0558102737
		w/ Robust Feed U6	0558102716
		w/ Robust Feed U6 water	0558102738
Interconnection Cables		Air-Cooled	Water-Cooled
Interconnection – 70 mm 2 CAN w/ strain relief, 6 ft (2 m)		0446255880	0446255890
Interconnection – 70 mm 2 CAN w/ strain relief, 16 ft (5 m)		0446255881	0446255891
Interconnection – 70 mm 2 CAN w/ strain relief, 50 ft (15 m)		0446255883	0446255893
Interconnection – 70 mm 2 CAN w/ strain relief, 82 ft (25 m)		0446255885	0446255895

*Basic Package Includes: Power Source with ground lead and clamp; Robust Feed™; 10401833 Tweco® Spraymaster V450 MIG Gun 15 ft 1/16; 0781-3641 – Victor® ESS32-50CFH-580 EDGE 2.0 Flow Gauge Regulator; 0349313450 Cart - 4 wheel, single cylinder; Water cooled Basic Package includes: 0465427880 - Cool 2 unit and Spraymaster® MIG Gun is substituted with 10441179 - FUSION PRO 450 W/C 15 ft, Euro.

NOTE: Power Sources, Basic Packages and Ready to Weld Combinations require the customer to supply input power cables. Suggested cable is 4C 8Awg input cable

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Wire Feeder & Control Panel		
Feeders	Air-cooled	Water-cooled
Robust Feed Pulse (includes push-pull, gas flow meter + heater) Air-cooled Tweco 4	0445800893	-
Robust Feed U6 (includes push-pull, gas flow meter + heater) Air-cooled Tweco 4	0445800890	-
Robust Feed U6 (includes push-pull, gas flow meter + heater) Water-cooled Euro	-	0445800895
Aristo Feed 3004 3004W ENCL 10P* (use with U82 Plus 0460820881)	-	0460526891

Options & Accessories	
Description	Part Number
Aristo U82 Plus complete includes Holder	0460820881
COOL 2 Cooling Unit	0465427880
Coolant 3 gal (10 l.)	0007810012
Wheel Kit, power source	0465416880
Remote control MTA1 CAN	0459491880
Remote control unit AT1	0459491896
Remote control AT1 Coarse Fine	0459491897
Remote control adapter RA 23	0459491911
Remote control cable 12 pole - 8 pole 16 ft (5 m)	0459552880
Remote control cable 12 pole - 8 pole 32 ft (10 m)	0459552881
Remote control cable 12 pole - 8 pole 49 ft (15 m)	0459552882
Remote control cable 12 pole - 8 pole 82 ft (25 m)	0459552883
Remote outlet kit	0465424880
Stabilizer kit Warrior for Counterbalance Arm	0465509880
Counterbalance Arm +	0458705880
Robust Feed Wheel Kit	0446081880
Torch Strain Relief	0446082880
Trolley (Robust Feed/Warrior Feed)	0349313450
Tweco 4 MIG Gun Connection Kit (included with Robust Feed)	0446120882
Tweco 5 MIG Gun Connection Kit	0446120884
Guide Pin Extension Kit **	0465508880
Liquid Cooling Kit (to upgrade air cooled feeders)	0446123880
Quick Connector Marathon Pac	F102440880

For Aristo Feed, not Robust Feed. Requires Cart and Stabilizer kit.

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

+ Counterbalance device only works with the Aristo Feed 3004, not with Robust Feed.

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



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