

UWI-500TP WELDING INVERTER

Product group: **191** Product number: **500500**

No. 1 Trusted High Performance and Reliable 500A range Welding Machine for Ship Welding. UWI-500TP is a powerful welding inverter for all arc welding & gouging processes board. Able to perform Stick/TIG/MIG/MAG welding with the right accessories. The welding machine is supplied "without" any accessories. Ideal for vessels requiring high duty cycle welding using very long welding cables especially deck maintenance etc.



Product information

This product supersedes product no: **670398**

Features

- The UWI-500TP is designed for welding with all types and sizes of welding wires, coated electrodes, carbon electrodes and TIG rods, with current range: 5 -- 500A.
- Line Voltage compensation keeps output of the power source constant regardless of fluctuation in input power from 10% below lowest to above highest rated input voltage.
- Total Protection function with indicator light prevents machine damage if one phase in the primary power supply falls out or if over-voltage is supplied to the machine.
- Thermal overload protection with indicator lights helps prevent machine damage if the duty cycle is exceeded or airflow is blocked.
- Safe in use. The Voltage Reduction Device function reduces touchable open circuit voltage to only 9V, providing optimal safety for the operator.
- The remote amperage control can be used for all processes, and also for two machines in parallel for up to 1000 Amperes for Air Carbon Arc gouging.
- Separate characteristics are available for welding with standard electrodes, for cellulosic electrodes, for TIG, for Air Carbon Arc gouging and for Wire welding with or without shielding gas. This ensures optimal properties for all processes
- Adjustable Hot Start for MMA welding provides optimal arc striking for all electrode types and prevents electrode sticking.
- Adjustable Arc Force for MMA welding allows the arc characteristics to be changed for specific applications and electrodes.
- 2-step TIG-torch control with Lift-Arc provides an easy and soft TIG arc start, and remote control from 5 amp to maximum ensures total arc control both during welding and for the down-slope finish of the weld.
Adjustable gas post-flow prevents faults in the end phase of the weld.

Benefits

UWI-500TP are able to perform normal stick electrodes, cellulosic stick electrodes, TIG (with Lift Arc), wire welding and air carbon arc gouging.

5-500A current range covers the use of any size of welding electrodes and parallel connection of two machines provide 1000A for the most power demanding Air Carbon Arc gouging tasks.

Specification

General

Invent Hazard Material (IMO/EU) classification	D-1
Product catalog URL	https://www.wilhelmsen.com/product-catalogue/products/welding/arc-welding-equipment/arc-weldingcutting-machines/uwi-500tp-welding-inverter/?epieditmode=true

Dimensions/Weight

Height [mm]	510
Length	670
Weight [kg]	47
Width [mm]	290

Technical data

Duty cycle [%]	50 at max current
Ingress protection	IP23S
Recommended fuse [A]	32 A slow
Voltage [V]	3 phase 380-440V 50/60Hz main supply
Welding current [A]	5-500

Documents

[UWI-500-TP-Owners-manual-10072017](#)

[500500_Reparation Manual PW](#)

[SDoC and MD for IHM](#)

Related products

Accessories

**Required UWI-500TP accessories kit for stick electrode welding. **

768416	CLAMP 1 EAR 12,3-14,3MM 1/4" HOSE (20PCS)	633263	SHADE 11 GLASS. 5SET
905174	ARGON E-50 FILLING	670422	REMOTE CONTROL CABLE FOR UWI-320/500
510010	REGULATOR 510 AR/CO2 FLOW 0-35L/MIN	632794	TIG GLOVES. 6 PAIRS
905565	ARGON E-10 FILLING	597328	FLOWCONTROL METER, ARGON
528703	AIR CARBON ARC TORCH 600A	510453	LEATHER SPATS. PAIR
594317	RETURN CLAMP ASSY 400A W/DIX 70	632893	CABLE CONNECTOR DIX70 MALE-FEMALE
632984	WIRE BRUSH STAINL. 6PCS	175729	CABLE DRUM W/CRANK
779032	AUTODARK 300 WELDING SHIELD	510438	LEATHER JACKET LARGE
633248	SHADE 9 GLASS. 5SET	632786	WELDERS GLOVES. 6 PAIRS
607810	TIG TORCH ACCESSORIES KIT	709485	FLIPVISION WELDING FACE SHIELD
633255	SHADE 10 GLASS. 5SET	597310	FLOWCONTROL VALVE, ARGON
676973	REMOTE CONTROL PARALLEL CONNECTION	632901	TRIPLE CONNECTION DIX-70 MMF, 2 PCS
594325	EL.HOLDER 400A WITH DIX70 CONNECTOR	779034	AUTODARK 820 FRESHAIR COMPLETE
670414	REMOTE CONTROL F/UWI-320/500 & UWW-301	500505	SPARE PART KIT FOR UWI-500TP
516161	WELDING GAUGE TYPE J	670406	ACCESSORIES KIT F/UWI-230,-320,-500
632976	WIRE BRUSH STEEL. 6PCS	175851	WELDING CABLE 70 MM2
634121	CONVERSION ASSEM. 2 PCS	526015	SAFE GRINDER 42V FOR WELDING MACHINES
175596	HOSE JOINT F/6MM (1/4 INCH) OX HOSE	175844	WELDING CABLE 50 MM2
633016	LEATHER TROUSERS W/BELT	500103	UNDERCARRIAGE FOR UWI-500TP
		200000	TIG TORCH T-200 W.DIX 70 CONNECTOR

Spares

670406 ACCESSORIES KIT F/UWI-230,-320,-500

Is frequently bought together with

743476 MAGNET & VOLT STICKS PACK

150150 UWI-150TP WELDING INVERTER IN CASE

670000 ELECTRODE CABINET WITH 27 PACKAGES.

This page is printed from:

<https://www.wilhelmsen.com/product-catalogue/products/welding/arc-welding-equipment/arc-weldingcutting-machines/uwi-500tp-welding-inverter/>