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# UWI-500TP WELDING INVERTER

Product group: 191      Product number: 500500

UWI-500TP is a powerful welding inverter for all arc welding (Stick/TIG/MIG/MAG) & gouging processes onboard. Ideal for vessels requiring high duty cycle welding using very long welding cables extension especially deck maintenance etc.



## Product information

This product supersedes product no: 670398

### EU Ecodesign Compliant Welding Machine

The welding machine is supplied "without" any accessories. To order, include Part No. 670406 ACCESSORIES KIT F/UWI-230,-320,-500.

### Features

- Stick electrode (MMA) with adjustable hot start and arc force for optimal welding properties
- Lift-Arc TIG welding with remote control option for all welding processes, with 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
- Two machines can be linked in parallel for up to 1000 Amperes for Air Carbon Arc gouging
- Voltage Reduction Device (VRD) function reduces open circuit voltage to only 9VDC which reduces risks of electric shock and electrocution to the lowest level
- Built-in Total Protection (TP), Line-voltage compensation and Thermal overload protection
- Made of high-grade aluminium casing that reduces weight and corrosion risks

### Benefits

- Safe and compliant welding machine for maritime use
- Heavy duty and superior reliability in tough maritime environment
- 5-500A current range covers the use of any size of welding electrodes and two machines can be connetced parallel to provide 1000A
- Multi-process welding with combination of UWF-102 Wire Feeder for wire welding
- Spare part kit available easy repair and to minimise downtime

## Specification

### General

Invent Hazard Material (IMO/EU) classification	D-1
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### Dimensions/Weight

Dimensions L x W x H [mm]	670 x 290 x 510
Weight [kg]	47

### 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

[SDoC and MD for IHM](#)

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

[500500\\_Reparation Manual PW](#)

## Related products

### Accessories

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

**175844**  
WELDING CABLE 50 MM2

**200000**  
TIG TORCH T-200 W.DIX 70 CONNECTOR

**632901**  
TRIPLE CONNECTION DIX-70 MMF, 2 PCS

**607810**  
TIG TORCH ACCESSORIES KIT

**676973**  
REMOTE CONTROL PARALLEL CONNECTION

**175729**  
CABLE DRUM W/CRANK

**510010**  
REGULATOR 510 AR/CO2 FLOW 0-35L/MIN

**597328**  
FLOWCONTROL METER, ARGON

**510438**  
LEATHER JACKET LARGE

**597310**  
FLOWCONTROL VALVE, ARGON

**500103**  
UNDERCARRIAGE FOR UWI-500TP

**905174**  
ARGON E-50 FILLING

**175851**  
WELDING CABLE 70 MM2

**528703**  
AIR CARBON ARC TORCH 600A

**594317**  
RETURN CLAMP ASSY 400A W/DIX 70

**670422**  
REMOTE CONTROL CABLE FOR UWI-320/500

**670414**  
REMOTE CONTROL F/UWI-320/500 & UWW-301

**634121**  
CONVERSION ASSEM. 2 PCS

**779034**  
AUTODARK 820 FRESH AIR COMPLETE

**632893**  
CABLE CONNECTOR DIX70 MALE-FEMALE

**594325**  
EL. HOLDER 400A WITH DIX70 CONNECTOR

**526015**  
SAFE GRINDER 42V FOR WELDING MACHINES

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

Is accessory to

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

**500102**  
UWF-102 WIRE FEEDER FOR UWI-500TP

Spares

**500505**  
SPARE PART KIT FOR UWI-500TP

Is frequently bought together with

**150150**  
UWI-150 TP WELDING INVERTER IN CASE (1P 230V)

**670000**  
ELECTRODE CABINET WITH 27 PACKAGES.

**632794**  
TIG GLOVES. 6 PAIRS

**632984**  
WIRE BRUSH STAINL. 6PCS

**632976**  
WIRE BRUSH STEEL. 6PCS

**632786**  
WELDERS GLOVES. 6 PAIRS

