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# UWI-320TP WELDING INVERTER

Product group: 191 Product number: 320320

UWI-320TP, is a compact yet powerful 320Amps welding machine for all types of shipboard welding. It can weld all normal coated electrodes up to 5.0mm. Two machines can be connected parallel together to achieve 640A for welding or gouging applications.



## Product information

This product supersedes product no: 670430

### 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 automatic hot start and Lift-Arc TIG welding function. Remote control option
- 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
- Superior reliability in tough maritime environment
- Easy arc start and anti-sticking
- Full capacity for welding all coated electrodes including 6.0mm high recovery electrode which provides high welding productivity
- Active fan control reduces the amount of dust and dirt deposit inside the machine during cooling thereby eliminating the risk of short circuiting.
- Remote control option enables the welder full control of arc and heat input during welding especially down-slope and arc stop during finishing
- Parallel connection of two machines provides 640A output for welding coated electrodes that require more than 320A, and full Air Carbon Arc gouging capability
- Spare part kit available for 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]	460 x 230 x 325
Weight [kg]	18

### Technical data

Duty cycle [%]	30%
Ingress protection	IP23S
Voltage [V]	3 phase 380-440V 50/60Hz main supply
Welding current [A]	320

## Documents

[UWI-320-TP-Owners-manual-23092014](#)

[SDoC and MD for IHM](#)

[320320\\_Reparation Manual PW](#)

## Related products

### Accessories

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

**619379**  
MANOMETER/GAUGE GUARD +

**576157**  
GAS HOSE 1/4" 6.3MM BLACK

**778149**  
TROLLEY E10/M10 F/TIG/MIG WELDING

**200000**  
TIG TORCH T-200 W.DIX70 CONNECTOR

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

**597310**  
FLOWCONTROL VALVE, ARGON

**597328**  
FLOWCONTROL METER, ARGON

**607810**  
TIG TORCH ACCESSORIES KIT

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

Spares

**320323**  
SPARE PART KIT FOR UWI-320TP

**594317**  
RETURN CLAMP ASSY 400A W/DIX70

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

Is frequently bought together with

**779062**  
AUTODARK 2020 WELDING SHIELD

**699413**  
18/8-321N 3.2X300MM 54 PCS 1.7 KG

**699488**  
TENSILE-328N 3.2X350MM 50PCS 2.0 KG

**699215**  
SPECIAL-303N 3.2X350MM 120PCS 4,1KG

**699272**  
LH-314N 3.2X450MM 96 PCS 5KG

**516161**  
WELDING GAUGE TYPE J

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