

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
--	-----

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](#)

[320320\\_Reparation Manual PW](#)

[SDoC and MD for IHM](#)

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.DIX 70 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/DIX 70

**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

**This page is printed from:**  
<https://www.wilhelmsen.com/product-catalogue/products/welding/arc-welding-equipment/arc-weldingcutting-machines/uwi-320tp-welding-inverter/>