Wilhelmsen Ships Service

UNITOR by Wilhelmsen

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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

Suggested Inventory Hazard Material 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

SDoC and MD for IHM

UWI-320TP_Instruction Manual

320320_Reparation Manual PW

Related products

Accessories

619379
MANOMETER/GAUGE GUARD +

576157
GAS HOSE 1/4" 6.3MM BLACK (SOLD PER METER)

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

600095
SET MALE/FEMALE PLUG 4P 63A IP67

720001
HPCE DYNAMIS/HPC 54/HPC 67/EL. CABLE 4x6 W/CONN. 63A 40M

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

516161
WELDING GAUGE TYPE J

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