Wilhelmsen Ships Service

UNITOR by Wilhelmsen

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UWI-MAXIMUS 503 WELDING INVERTER COMPLETE

Product group: **191** Product number: **503503**

UWI-Maximus 503 is a powerful welding inverter for all arc welding (Stick/TIG/MIG/MAG) & gouging processes onboard that is compliant with OCIMF SIRE 2.0 and RIGHTSHIP RISQ 3.1 requirements.



Product information

This product supersedes product no: **500500**

EU Ecodesign Compliant Welding Machine

The welding machine is supplied complete with accessories i.e. electrode holder and return clamp.

The new generation welding inverter is both lightweight and portable, ideal for maintenance and repair work onboard vessels requiring high duty cycle welding. It can perform wire welding with the combination of UWF-513 wire feeder.

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 12 VDC 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 with higher efficiency and lower power consumption
- 10-500A 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-513 Wire Feeder for wire welding
- Heavy duty and superior reliability in tough maritime environment
- Spare part kit available easy repair and to minimise downtime when at sea

Specification

General

Suggested Inventory Hazard Material classification	D-1

Dimensions/Weight

Dimensions L x W x H [mm]	499 x 214 x 368
Weight [kg]	24.0

Technical data

Duty cycle [%]	40 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]	10-500

Documents

IHM_SDoC & MD_503503

SDoC and MD for IHM

Manual_UWI-Maximus 503

Related products

Accessories

503513
UWF-513 WIRE FEEDER F/UWI-MAXIMUS 503

778149
TROLLEY E10/M10 F/TIG/MIG WELDING

594325
EL.HOLDER 400A WITH DIX70 CONNECTOR

594317
RETURN CLAMP ASSY 400A W/DIX 70

528703
AIR CARBON ARC TORCH 600A

200000
TIG TORCH T-200 W.DIX 70 CONNECTOR

607810
TIG TORCH ACCESSORIES KIT

632901
TRIPLE CONNECTION DIX-70 MMF, 2 PCS

676973
REMOTE CONTROL PARALLEL CONNECTION

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

597328
FLOWCONTROL METER, ARGON

597310
FLOWCONTROL VALVE, ARGON

905174
ARGON E-50 FILLING

670422
REMOTE CONTROLCABLE FOR UWI-320/500

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

634121
CONVERSION ASSEM. 2 PCS

779034
AUTODARK 820 FRESHAIR COMPLETE

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

175729
CABLE DRUM W/CRANK

600095
SET MALE/FEMALE PLUG 4P 63A IP67

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

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

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