

## ENGINE DRIVEN WELDER DSP 400 YSX CHOPPER TECHNOLOGY



- High frequency Digital Control of welding current
- Multi process welder:
  - SMAW: Shielded Metal Arc welding (Stick)
  - GMAW: Gas Metal Arc Welding (MIG)
  - FCAW: Flux Cored Arc Welding (Flux Cored)
  - GTAW: Gas Tungsten Arc Welding (TIG) - Contact starting
- Low welding current range (50%) in C.C. mode
- EP7 engine shutdown (oil pressure/high temperature/low fuel/battery charge)
- Auxiliary power (up to 12 kVA)
- Bunded base
- Large fuel tank (45l)
- Yanmar, water cooled diesel engine EPA-EURO 2 compliant
- Meets EEC directives

### Standard equipment



Diesel engine



Water cooling



Engine protection and economizer



Electric starter



Engine shut down temp.



Engine shut down oil



Engine shut down battery charge



Engine shut down low fuel gauge



Warning light for preheating glow plug



Battery 12V



Hour meter



Welding current electr. regulation



Base current diode bridge



Voltmeter



Ground fault interrupter



Thermal circuit breaker



Emergency stop button



Ready for TC



Central lifting eye

### Options



- Plugs
- Welding cables K400 (20+15m, 50mm<sup>2</sup>)
- Earthing kit MT10
- Site tow CTL400
- Remote control TCPL4 with cable 20m
- Road tow CTV4

### Factory installation



- PL: Polarity Change
- Isometer only for: 400T 230Mx3 CEE/Schuko
- Kit schuko
- Spark arrestor muffler
- VRD Voltage Reduction Device
- 400T 230M 110DC
- Auto Idle

### AUX Version



- 400T (32A)-230 (32A)- 230x2 16A (Schuko)
- 400T (32A)-230 (32A)- 48V
- On request 60Hz Versions

## Technical data

### DSP 400 YSX

#### D.C. WELDING - SMAW (Stick)/ GTAW (TIG) - COSTANT CURRENT (C.C)

Contact starting (TIG)	
Current Range	10 - 400 A
Open Circuit Voltage	65V
Duty Cycle	400A-35%; 350A-60%; 300A-100%

#### D.C. WELDING - GMAW (Mig)/ FCAW (Flux Cored) - COSTANT VOLTAGE (C.V)

Voltage Range	15 - 40V
Duty cycle	350A-60%; 300A-100%

#### A.C. GENERATION

**50 Hz, asynchronous, three-phase, self-excited, self-regulated, brushless**

Three-phase generation	12 kVA / 400 V / 17.3 A
Single-phase generation	7 kVA / 230 V / 30.4 A
Single-phase generation (option)	3.5 kVA / 110 V / 32 A
Duty cycle	100%
Insulating class	H

#### ENGINE

**Diesel, 4-stroke, water cooled**

Type	YANMAR 3 TNV 76
Output *	16.5 kW (22.3 HP)
Speed	3000 rpm
Displacement	1116 cm <sup>3</sup>
Cylinders	3
Fuel consumption	306 g/kWh

\* Maximum output (not overloadable) according to ISO 3046/1

#### GENERAL SPECIFICATIONS

Tank capacity	45 l
Running time (at duty cycle 60%)	13 h
Protection	IP 23
Dimensions * Lxwxh (mm)	1570x720x1100
Weight *	535 kg
Measured acoustic power **	93 LWA (68 dB(A) - 7m)
Guaranteed acoustic power **	94 LWA (69 dB(A) - 7m)

\* Dimensions and weight are inclusive of all parts without wheels and towbar \*\* Acoustic power according to 2000/14-CE

**Values shown are nominal values. For further information please contact the sales department.**