

## 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>)
- Remote control TCPL4 with cable 20m

- Earthing kit MT10

- Site tow CTL400
- Road tow CTV4

### Factory installation



- PL: Polarity Change
- VRD Voltage Reduction Device

- Isometer only for: 400T 230Mx3 CEE/Schuko
- 400T 230M 110DC

- Kit schuko
- Auto Idle

- Spark arrestor muffler

### 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.**