

## ENGINE DRIVEN WELDER DSP 400 YSX



The images are for reference

### FEATURES

- Arc multi-process welder:
  - SMAW: Shielded Metal Arc welding (Stick)
  - GTAW: Gas Tungsten Arc Welding (TIG) - Contact starting
  - GMAW: Gas Metal Arc Welding (MIG)
  - FCAW: Flux Cored Arc Welding (Flux Cored)
- High frequency digital control of welding current and voltage
- Specific welding programs for cellulose electrodes
- Double welding range (HALF/FULL - 50% / 100%)
- Digital Ammeter/voltmeter welding
- A.C. generator, single-phase and three-phase
- Aux power also available while welding
- Emergency stop button
- Bunded base
- Meets EC directives for noise and safety

STANDARD EQUIPMENT												
		Diesel engine	Water cooled	Battery 12V	Fuel level gauge	Hours-meter	Engine protection	Electric starter	Oil pressure shut down	High temp. engine shut down	Low fuel shut down	Shut down battery charge
OPTIONS ON REQUEST												
		Asynchronous alternator	Welding digital control	Welding control selector	Digital welding Volt./Amm.	Sockets	Ground fault interruptor	Thermal shut off	Voltmeter	Emergency stop button	Ready for RC	Central lifting eye
OPTIONS ON REQUEST	<ul style="list-style-type: none"> <li>• Wirefeeder WF4 (for MIG welding)</li> <li>• Remote control: RC2 - RC2/90° (cable 20m) RC1 (for vers. PL - cable 20m)</li> </ul>			<ul style="list-style-type: none"> <li>• Welding cables: K400 (20+15m, 50mm<sup>2</sup>)</li> <li>• Welding kit (mask, gloves, etc.)</li> <li>• Tank locking cap</li> </ul>			<ul style="list-style-type: none"> <li>• Earthing kit</li> <li>• Site tow CTL400</li> <li>• Road trolley CTV4</li> </ul>					
VERSION ON REQUEST	<ul style="list-style-type: none"> <li>• Auxiliary output 400Y/230I: 1x400V 32A 3P+N+T CEE - 1x230V 32A 2P+T CEE</li> <li>• Auxiliary output 400Y/230I: 1x400V 32A 3P+N+T CEE - 1x230V 32A 2P+T CEE - 2x230V 16A 2P+T CEE</li> <li>• PL version: version with polarity change</li> </ul>											
OPTIONS FACTORY INSTALLED	<ul style="list-style-type: none"> <li>• VRD - Voltage reduction device</li> <li>• Sockets schuko</li> </ul>			<ul style="list-style-type: none"> <li>• Spark arrestor</li> <li>• Isometer</li> </ul>			<ul style="list-style-type: none"> <li>• Auto Idle</li> </ul>					

### Technical data

C.C. WELDING (Constant Current)	SMAW (STICK)/ GTAW (TIG) CC (Constant Current)	DSP 400 YSX C.C. Welding Constant Current	GMAW (MIG)/ FCAW (FLUX CORED) CV (Constant Voltage)
Current range	10 - 400A	Voltage range	16 - 40V
Duty cycle	400A - 35%, 350 A - 60%, 300A - 100%	Duty cycle	350A 60% - 300A 100%
Open circuit voltage	65V		--

### A.C. GENERATION - 50Hz - Three-phase asynchronous alternator, self-regulated, self-excited, brushless

Three-phase power	12 kVA / 400 V / 17.3 A
Single-phase power	7 kVA / 230 V / 30.4 A
Single-phase power	3.5 kVA / 110 V / 31.8 A
Insulation class	H

### ENGINE - Diesel 4-stroke, direct injection, water cooled

Model	Yanmar 3TNV76
* Output	16.5 kW (25.4 HP)
Cylinders / Displacement	3/ 1116 cm <sup>3</sup>
Speed	3000 rpm
Fuel consumption (welding 60%)	3.4 l/h

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

### GENERAL SPECIFICATIONS

Tank capacity	45 l
Running time (welding 60%)	13 h
IP protection degree	IP 23
* Dimensions LxIhx (mm)	1610x720x1110
* Dry weight	530 kg
** Measured acoustic power LwA (pressure LpA)	92 dB(A) (67 dB(A) @ 7 m)
** Guaranteed acoustic power LwA (pressure LpA)	93 dB(A) (68 dB(A) @ 7 m)

\* Values shown do not include trolleys \*\* Acoustic power according to European Directive 2000/14/EC.

Specifications subject to change without notice. For further information please contact the sales department.