

ENGINE DRIVEN WELDER DSP 400 YSX

- Arc 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
- 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
- Engine Diesel YANMAR water cooled
- Engine protection EP7
- Emergency stop button
- Bundled base
- Site tow CTL400 (on request)
- Welding remote control (on request)
- Meets EC directives for noise and security



Standard equipment												

- Options on request**
- 400V / 230V plugs
 - HF striking device
 - Ten pole remote control connector
 - Wire feeder WF4 (for MIG welding)
 - Remote control: RC2 - RC2/90° (cable 20m)
 - RC1 (for version PL - cavo 20m)
 - Welding cables: K400 (20+15m, 50mm²)
 - Welding kit (mask, gloves, etc.)
 - Tank locking cap
 - Earthing kit
 - Site tow CTL400
 - Road trolley CTV4

- Version on request**
- Auxiliary output 400Y/230I/48I: 1x400V 32A 3P+N+T CEE - 1x230V 32A 2P+T CEE
 - Auxiliary output 400Y/230I: 1x400V 32A 3P+N+T CEE - 1x230V 32A 2P+T CEE - 2x230V 16A 2P+T CEE
 - Version PL: version with polarity change

- Factory installation option**
- VRD - Voltage reduction device
 - Schuko sockets
 - Spark arrestor
 - Isometer
 - Auto Idle

Technical data

DSP 400 YSX

C.C. WELDING (Costant Current)	SMAW (STICK)/ GTAW (TIG) CC (Costant Current)	C.C. Welding Costant Current	GMAW (MIG)/ FCAW (FLUX CORED) CV (Costant Voltage)
Current range	10 - 400A	Current range	16 - 36V
Duty cycle	400A - 35%, 350 A - 60%, 300A - 100%	Duty cycle	350 A - 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
Single-phase power	5 kVA / 48 V / 104 A
Insulation class	H

ENGINE	Diesel, 4-stroke, direct injection, water cooled
Model	Yanmar 3TNV76
* Output	16.5 kW (25.4 HP)
Speed	3000 rpm
Displacement / Cylinders	1116 cm ³ / 3
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 LxIxh (mm)	1610x720x1110
* Dry weight	535 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)

* Dimensions and weight without trolley/trailer. ** Acoustic power according to European Directive 2000/14/EC.

Mosa reserves the right to change this specification without notice. For further information please contact the sales department