

ENGINE DRIVEN WELDER

DSP 500 PS

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
- Super silenced
- Meets EC directives for noise and safety



The images are for reference

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	Warning light for preheating glow plug
OPTIONS ON REQUEST												
	Asynchronous alternator	Welding digital control	Welding control selector	Digital welding Volt/Amm.	Sockets	Ground fault interrupter	Thermal shut off	Voltmeter	Emergency stop button	Ready for RC	Central lifting eye	
VERSION ON REQUEST	Welding cables: K400 (20+15m, 50mm²)					Welding kit (mask, gloves, etc.)					Site tow CTL22	
	Wirefeeder WF4 (for MIG welding)					Tank locking cap					Road trolley CTV1/S	
OPTIONS FACTORY INSTALLED	VRD - Voltage reduction device					Spark arrestor					CHALWYN Valve	
	Remote control: RC2 - RC2/90° (cable 20m)					PL version: version with polarity change and VRD - Voltage reduction device						

Technical data		DSP 500 PS	
C.C. WELDING (Constant Current)	SMAW (STICK)/ GTAW (TIG) CC (Constant Current)	C.C. Welding Constant Current	GMAW (MIG)/ FCAW (FLUX CORED) CV (Constant Voltage)
Current range	10 - 500A	Current range	16 - 40V
Duty cycle	500A - 35%, 450 A - 60%, 400A - 100%	Duty cycle	450A 60% - 400A 100%
Open circuit voltage	62V	--	--
A.C. GENERATION - 50Hz - Three-phase asynchronous alternator, self-regulated, self-excited, brushless			
Three-phase power		16 kVA / 400 V / 23.1 A	
Single-phase power		12 kVA / 230 V / 52.2 A	
Single-phase power		6 kVA / 110 V / 54.5 A	
Insulation class		H	

ENGINE - Diesel 4-stroke, indirect injection, water cooled

Model	Perkins 404D-22G
* Output	20.3 kW (27.6 HP)
Cylinders / Displacement	4/ 2216 cm ³
Speed	1500 rpm.
Fuel consumption (welding 60%)	3.8 l/h

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

GENERAL SPECIFICATIONS

Tank capacity	60 l
Running time (welding 60%)	16 h
IP protection degree	IP 23
* Dimensions LxIhx (mm)	1720x980x1110
* Dry weight	750 kg
** Measured acoustic power LwA (pressure LpA)	91 LWA (66 dB(A) @ 7m)
** Guaranteed acoustic power LwA (pressure LpA)	92 LWA (67 dB(A) @ 7m)

* 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.