

ENGINE DRIVEN WELDER

DSP 600 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
- 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	EP7	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												
	• Wirefeeder WF4 (for MIG welding) • Remote control: RC2 - RC2/90° (cable 20m) RC1 (for vers. PL - cable 20m)											
OPTIONS FACTORY INSTALLED												
	• Welding cables: K500 (20+15m, 50mm²) • Welding kit (mask, gloves, etc.) • Tank locking cap • Earthing kit											
OPTIONS FACTORY INSTALLED												
	• Auxiliary output 400Y/230L: 1x400V 32A 3P+N+T CEE - 1x230V 32A 2P+T CEE - 1x230V 16A 2P+T CEE • Auxiliary output 400Y/230L: 1x400V 32A 3P+N+T CEE - 1x230V 32A 2P+T CEE - 2x230V 16A 2P+T CEE • Auxiliary output 400Y/230L/110I CTE: 1x400V 32A 3P+N+T CEE - 1x230V 32A 2P+T CEE - 1x110V 32A 2P+T CEE - 1x110V 16A 2P+T CEE • PL version: version with polarity change											
OPTIONS FACTORY INSTALLED												
	• VRD - Voltage reduction device • Gauges - Water temperature and oil pressure • Spark arrestor • Cold start aid • Blow-by gases oil separator filter • Oil drain pump											

Technical data

C.C. WELDING (Constant Current)	SMAW (STICK)/ GTAW (TIG)/ ARC GOUGING CC (Constant Current)	DSP 600 PS C.C. Welding Constant Current	GMAW (MIG)/ FCAW (FLUX CORED) CV (Constant Voltage)
Current range	10 ÷ 600A	Current range	16 - 40V
Duty cycle	600A - 35%, 550 A - 60%, 500A - 100%60V	Duty cycle	550A 60% - 500A 100%
Open circuit voltage		--	--

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

Three-phase power	30 kVA / 400 V / 43.3 A
Single-phase power	15 kVA / 230 V / 65.2 A
Single-phase power	8 kVA / 110 V / 72.7 A
Insulation class	H

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

Model	Perkins 1103A - 33G1
* Output	30.4 kW (41.3 HP)
Cylinders / Displacement	3/ 3300 cm³
Speed	1500 rpm
Fuel consumption (welding 60%)	5 l/h

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

GENERAL SPECIFICATIONS

Tank capacity	65 l
Running time (welding 60%)	13 h
IP protection degree	IP 23
* Dimensions LxHx (mm)	2030x870x1130
* Dry weight	1000 kg
** Measured acoustic power LwA (pressure LpA)	94 dB(A) (69 dB(A) @ 7 m)
** Guaranteed acoustic power LwA (pressure LpA)	95 dB(A) (70 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.