

# ENGINE DRIVEN WELDER

## DSP 415 VS/VSX

### CHOPPER TECHNOLOGY



- High frequency Digital Control of welding current
  - Shielded metal arc welding (C.C.)
  - Gas metal arc welding (C.V.)
  - Flux cored arc welding (C.V.)
  - Pulsed gas metal arc welding (C.V./PULS)
- Low welding current range (50%) in C.C. mode
- Ground fault interrupter protection
- Modern, fuel efficient, diesel engine (1500 rpm)
- Engine protection (oil pressure/temperature)
- Large (60 l) fuel tank for up to 18 hours operation
- Fuel level gauge with reserve indicator
- Running gear (optional)

Standard equipment											
	Diesel engine	Air cooling	Electric starter	Battery 12V	Battery charger indicator	Hour counter	Engine protection	Oil pressure indicator	Oil temperature	Fuel level gauge/low fuel	Central lifting eye
Options on request											
	Welding Digital Control	Asynchronous alternator	Auxiliary voltmeter	Ground fault interrupter	Socket 400V EEC	Socket 230V EEC	Thermal Shut off	Ready for RC			
	<ul style="list-style-type: none"> <li>● Plug 400V 32A 3PNT (T)</li> <li>● Plug 230V 32A 2PT (M)</li> <li>● Version on request 110V or 48V</li> <li>● Polarity change (on request to order)</li> </ul>				<ul style="list-style-type: none"> <li>● Welding Amm/Voltmeter</li> <li>● Remote control RC1 with cable 20m</li> <li>● Welding cables K400 (20+15m, 50mm<sup>2</sup>)</li> <li>● Wire feeder WF4</li> </ul>			<ul style="list-style-type: none"> <li>● Site tow CTL22</li> <li>● Road tow running gear CTV1</li> <li>● Earthing kit MT10</li> </ul>			

Technical data	DSP 415 S	DSP 415 SX
<b>D.C. WELDING</b>		
Current range	10 - 400 A (C.C.)	
Voltage range	16 - 36V (C.V.)	
Open circuit voltage	63V	
Duty cycle	400 A - 60%, 350 A - 100% (C.C.) 400 A - 60%, 350 A - 100% (C.V.) 280 A - 100% (C.V./PULS)	
<b>A.C. GENERATION</b>	50 Hz, asynchronous, three-phase, self-excited, self-regulated, brushless	
Three-phase generation	16 kVA / 400 V / 23.1 A	
Single-phase generation	12 kVA / 230 V / 52.1 A	
Duty cycle	100%	
Insulating class	H	
On request other voltages and frequencies (60 Hz)		
<b>ENGINE</b>	Diesel, 4-stroke, air cooled	
Type	VM SUN 2105	
Output *	20.6 kW (28 HP)	
Speed	1500 rpm	
Displacement	1990 cm <sup>3</sup>	
Cylinders	2	
Fuel consumption	210 g/kWh	
* Maximum output (not overloadable) according to ISO 3046/1		
<b>GENERAL SPECIFICATIONS</b>		
Tank capacity	60 l	
Running time (at duty cycle 60%)	18 h	
Protection	IP 23	
Dimensions * Lxwxh (mm)	1700x950x1080	
Weight *	820 kg	840 kg
Noise level**	98 LWA (73 dB(A))	95 LWA (70 dB(A))

\* Dimensions and weight are inclusive of all parts without wheels and towbar \*\* LWA conforms to EEC directives 535/536, dB(A) at 7 m.

**Values shown are nominal values. For further information please contact the sales department.**