

ENGINE DRIVEN WELDER DSP 415 VS/VSX CHOPPER TECHNOLOGY



- High frequency Digital Control of welding current
- 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)
 - GMAW - P: Pulsed MIG (OPTION)
- 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 meter	Engine protection	Low oil pressure	High oil temperature	Fuel level gauge/low fuel	Central lifting eye
Welding Digital Control	Asynchronous alternator	Auxiliary voltmeter	Ground fault interrupter	Socket 400V EEC	Socket 230V EEC	Thermal Shut off	Ready for RC			

Options on request

- Plug 400V 32A 3PNT (T)
- Plug 230V 32A 2PT (M)
- Welding Amm/Voltmeter
- Wire feeder WF4
- Remote control RC1 with cable 20m
- Welding cables K400 (20+15m, 50mm²)
- Wire feeder WF4
- Site tow CTL22
- Road tow running gear CTV1
- Earthing kit MT10/ MT25

- On request order**
- Other Voltage and frequencies (60 Hz)
 - Polarity Change

Technical data

DSP 415 VS

DSP 415 VSX

D.C. WELDING - SMAW (Stick)/ GTAW (TIG) - COSTANT CURRENT (C.C)

Contact starting (TIG)	
Current Range	10 - 400 A
Open Circuit Voltage	63V
Duty Cycle	400A-60%; 350A-100%
Electroder diameter	1.6 - 6 mm

D.C. WELDING - GMAW (Mig)/ FCAW (Flux Cored) - COSTANT VOLTAGE (C.V)

Voltage Range	16 - 36V
Duty cycle	400A-60%; 350A-100%
Wire diameter (MIG)	0.6 ÷ 1.6 mm
Wire diameter (Flux - Cored)	1 ÷ 2 mm

A.C. GENERATION

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

ENGINE

Diesel, 4-stroke, air cooled

Type	VM SUN 2105
Output *	20.6 kW (28 HP)
Speed	1500 rpm
Displacement	1990 cm ³
Cylinders	2
Fuel consumption	210 g/kWh

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

GENERAL SPECIFICATIONS

Tank capacity	60 l
Running time (at duty cycle 60%)	18 h
Protection	IP 23
Dimensions * Lxwxh (mm)	1720x980x1080
Weight *	770 kg
Noise level	98 LWA (73 dB(A) - 7 m)
	790 kg
	95 LWA (70 dB(A) - 7 m)

* Dimensions and weight are inclusive of all parts without wheels and towbar

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