

## ENGINE DRIVEN WELDER DSP 2x400 PS 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
- Auxiliary power (40 kVA)
- Protection: Ground fault interrupter
- Modern, fuel efficient, diesel engine (1500 rpm)
- Engine protection (oil pressure/temperature/over speed)
- Large (102 l) fuel tank for up to 13 hours operation
- Running gear (optional)



### Standard equipment

Diesel engine	Water cooling	Electric starter	Battery 12V	Hour meter	Engine protection	Overspeed	Fuel level gauge/low fuel	High oil temperature	Low oil pressure	Battery charger indicator
Welding Digital Control	Asynchronous alternator	Welding voltmeter ammeter	Auxiliary voltmeter	Thermal shut off	Socket 400V EEC	Socket 230V EEC	Socket 230V Schuko	Ground fault interrupter	Ready for RC	Lifting eye

### Options on request

- Plug 400V 32A 3PNT (T)
- Plug 230V 32A 2PT (M)
- Plug 110V 32A 2PT (M)
- RC1/90° Remote control with cable 20m
- Welding cables K400 (20+15m, 50mm<sup>2</sup>)
- Welding cables K500 (20+15m, 50mm<sup>2</sup>)
- Cold start aid
- Site tow CTL45/CTLR45
- Earthing Kit MT10/MT25

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

### Technical data

### DSP 2x400 PS

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

Contact starting (TIG)	
Current Range	10 - 400 A
Open Circuit Voltage	68V
Duty Cycle	2x400A-35%; 2x360A-60%; 2x330A-100%
Electroder diameter	1.6 - 6 mm

#### D.C. WELDING - GMAW (Mig)/ FCAW (Flux Cored) - COSTANT VOLTAGE (C.V) single station (each position)

Voltage Range	16 - 36V
Duty cycle	2x360A-60%; 2x330A-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	40 kVA / 400 V / 58 A
Single-phase generation	20 kVA / 230 V / 87 A (*max power)
Single-phase generation	10 kVA / 110 V / 90.9 A (*max power)
Duty cycle	100%
Insulating class	H

\* For available power see version

#### ENGINE Diesel, 4-stroke, water cooled

Type	PERKINS 1103A 33TG1
Output *	45.6 kW (62.1 HP)
Speed	1500 rpm
Displacement	3300 cm <sup>3</sup>
Cylinders	3
Fuel consumption	215 g/kWh

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

#### GENERAL SPECIFICATIONS

Tank capacity	102 l
Running time (at duty cycle 60%)	13 h
Protection	IP 44
Dimensions * Lxwxh (mm)	2490x1030x1300 (1480)
Weight *	1300 kg
Noise level	94 LWA (69 dB(A) - 7 m)