

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	3~ EEC Socket 400V EEC	1~ EEC Socket 230V EEC	1~ 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, 50mm²)
- Welding cables K500 (20+15m, 50mm²)
- 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 ³
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)

* 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.