



ESAB Diesel 601 w Heavy Duty Engine Driven Welder

- Designed for professional contractors
- Robust & long lasting design
- Welding range DC 40-600 Amp
- Auxiliary Power outlets 6.2 KVA, 240 & 110 Volt
- Proven brushless generator technology
- Low maintenance
- Reliable air-cooled low rpm DEUTZ diesel engine
- Air heater AIRTRONIC D2



Robust and powerful

Designed to with-stand toughest climate and working conditions. Whether your are welding on an off-shore platform or a pipeline in the desert, the ESAB Diesel 601w mobility and reliable performance will provide the most cost efficient solution to on-site welding. All electrical circuits are hardwired without need for any electronic PC boards.

Welding

Easy to operate with clear well designed controls. Welding power capacity optimized for coated electrodes from 2.0mm-6.0mm. Continuous welding whilst using auxiliary power outlets enables power tools and quivers to be used simultaneously.

Transport

Units are skid mounted, complete with central located eyelets for easy lifting (standard). Optional with a two wheel site tow kit or highway four wheel trailer.

DEUTZ F4L912

Low maintenance requirements together with legendary durability.

High quality combined with highly mature, simple configuration

Only a few servicing points.

Global service network

Air heater AIRTRONIC D2

Equipment for heating air inside of the machine that allows working at ambient temp. -40 °C

Applications

- Pipelines
- Shipbuilding & Offshore
- Civil construction

Control panel specification:

- ✓ Coarse amperage setting switch, three steps
- ✓ Fine amperage control potentiometer
- ✓ Remote control switch/connector
- ✓ Single phase sockets AC 240V & 110V
- ✓ AC Circuit breakers
- ✓ Welding terminals
- ✓ Engine key start module DSE 701 HC
- ✓ Hour meter
- ✓ Engine starter interlock (prevents starting while engine is running)
- ✓ Engine shutdown for low oil pressure, high engine temperature, low fuel level.

Technical data

Process mode:	EDW 601 DW
Generator model	CC / DC welding current
Welding current range (A)	ZX025/FX005, brushless
Permitted load (A/V):	40-600
40% duty cycle	550/42
100% duty cycle	450/38
Open circuit voltage (V)	92
Auxiliary power output (kVA)	6,2
Aux.output voltage (VAC)	240/110, 60Hz
Insulation class	H (180°)
Running speed (r.p.m.)	1800
Engine model	DEUTZ F4L912
Number of cylinder	4
Prime Power rating at site altitude 4000 m kW/r.p.m.	33,0/1800
Battery (V/Ah):	12/150
Fuel tank capacity 12h/75% load (l)	70
Protection degree:	IP23
Working ambient temperature (°C)	-40 to +40
Air heater AIRTRONIC D2 average diesel fuel consumption (l/h)	0,15
Dimensions without trailer, LxWxH (mm)	1840x860x1100
Weight without trailer (kg)	1060 dry; 1230 wet



Ordering information

Description	Order number
ESAB Diesel 601w	0700161881
Remote control, with 15m cable	0700161041
Spark arrestor NB040	0700161043
2 wheel site trolley	0217600140
4 wheel highway trailer	0305200140

Quality accessories for the quality welder

ESAB offers a wide range of accessories. The complete range, along with product information, is available at our local web-sites, look at www.esab.com or contact your local ESAB dealer.

Unrivalled service and support

Our commitment and ability to deliver the expected service and support starts immediately after the order is confirmed. We endeavour to offer our customers an After Sales service, which is second to none. A strong and skilful service organisation is prepared to offer service and maintenance, calibration, validation and upgrading of equipment and software.

The service organisation will offer standardised solutions for the reconditioning or modification of existing products.

Spare and wear parts are manufactured according to ESAB's quality plan. Exchange Printed Circuit Board (PCB), exchange modules and components are available for all our products in order to reduce downtime to an absolute minimum. ESAB is continuously upgrading authorised service partners for local service support. Customers who have their own service and maintenance personnel will always be offered a service-training package as part of a total ESAB offering. However, product and process training for end-users will form an additional part of the ESAB offering. Always ask your ESAB sales representative or distributor for a complete ESAB solution.

*ESAB reserves the right to alter specifications without prior notice
ESAB is approved according to ISO 9001:2000*



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