



# **ESAB KHH 600 P / SP**

## **Turbo Diesel Engine Driven Welder**

- Diesel Engine Driven Welder/Generator Delivers 600A of DC weld output
- Single-phase auxiliary power available
- Soundproof canopy (mod.S-P)
- Processes:

- STICK / TIG / CAG
- LIFT TIG (opt.)
- MIG (opt.)



### **Generator**

Asynchronous Alternator: simultaneous operation of welder and generator

Total-controlled rectifier bridge (6 Thyristors) plus adjustable Arc Force provide an outstanding welding current regulation also remote

### **Welding**

Easy to operate with clear well designed controls. Welding power capacity optimized for coated electrodes from 2.0mm-10mm. 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.

### **Applications**

- Pipelines
- Shipbuilding & Offshore
- Civil construction

### **Options Factory Installed**

- 20 kVA, 400VAC - 50Hz three-phase output
- DAS, auto engine protection shutdown system with warning lights in case of:
  - battery charger failure
  - high coolant temperature
  - low fuel level
  - low oil pressure
  - overspeed
- Cold weather starting aid
- Weld Voltmeter and Ammeter
- LIFT START TIG facility
- CC/CV control for MIG welding
- Spark arrester muffler
- Versions with different voltages
- 60Hz version

- Oil pressure, coolant temperature, over-speed, fuel level and battery charger warning lights
- 12V Built-in battery with electric start
- Engine hour meter
- Fuel level gauge
- 2 x 230V - 50Hz single-phase outlets protected by circuit breaker
- Voltmeter
- Earth Leakage Circuit Breaker (ELCB)
- Remote control socket
- ARC FORCE CONTROL with changeover switch basic / cellulosic welding rods
- CARBON ARC GOUGING (CAG) socket
- Central lifting eye
- Fork lift pockets

## Technical data

<b>Weld Output</b>	
<b>Rated Output @ 60% Duty Cycle</b>	600 A - 40 V
<b>Rated Output @ 100% Duty Cycle</b>	500 A - 40 V
<b>Output Range</b>	30A ÷ 600A
<b>Open Circuit Voltage</b>	70 V
<b>Generator</b>	
<b>Single Phase Output</b>	12 kVA - 230 V
<b>Frequency</b>	50 Hz
<b>Engine</b>	Turbocharged
<b>Make/Type</b>	Perkins 1103A-33TG1
<b>Power and Speed</b>	62 HP @ 1500 rpm
<b>Cylinders</b>	3
<b>Displacement</b>	3300 cc
<b>Noise Level</b>	
	LWA 99 (P)-dB 74 at 7m
	LWA 96 (S-P)-dB 71 at 7m
<b>Dimensions L x W x H</b>	2000 x 900 x 1200 mm
<b>Net Weight</b>	1190 kg (P) 1200 kg (S-P)



## Ordering information

### Description

ESAB KHH600 P  
ESAB KHH600 SP

### ACCESSORIES

- Two-wheels site tow undercarriage (GRT2W)
- Four-wheels site tow undercarriage (GRT4W)
- Four-wheels trailer with leaf springs and towing bar (GRT4WLB)
- Remote control unit complete with 20m cable and plug
- Welding cables Ø 50mm<sup>2</sup> (20+15m) with accessories

### 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](http://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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