



# **ESAB KHH300 IDREL Diesel Engine Driven Welder**

- 300 Amp of DC weld output
- Three – phase and single phase auxiliary power available

## **For professional work**

The wide working range makes it possible to perform a large variety of work in environments where it is difficult, costly or impossible to connect to the mains supply.

Compact and transportable the unit gives you a combination of strong, high quality DC current for coated electrode welding (MMA) and also supplies up to 7kVA electric power.

## **Welding - Coated electrodes - CC**

Coated electrodes up to 6mm can be welded. The low, 20A min current allows welding with very small electrodes.

Using the Arc force control allows welding of cellulosic electrodes.

## **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.



## **Options** (available as factory options)

Versions with different voltages

- + LIFT START TIG facility
- + CC/CV control for MIG welding

## **Accessories on Request**

Trolley: two-wheels and handles

- + Remote control unit complete with 20m cable and plug
- + Parallel Welding Box with ammeter and voltmeter (P-BOX)
- + Welding cables Ø 35 mm<sup>2</sup> (5+3 m) with accessories
- + Reverse polarity switch kit

## **Applications**

- Pipelines maintenance
- Shipbuilding & Offshore
- Civil construction
- Power generation

## **Control panel specification:**

Low oil pressure and battery charger warning lights

- + 12V built-in battery with electric start
- + Engine hourmeter
- + 1 x 400 V - 50 Hz three-phase outlet
- + 1 x 230 V - 50 Hz Single-phase outlet protected by circuit breaker
- + 1 x 48 V - 50 Hz Single-phase outlet (safety low voltage)
- + Earth Leakage Circuit Breaker (ELCB)
- + Voltmeter
- + Remote control socket
- + ARC FORCE CONTROL switch
- + Central lifting eye

## Technical data

Process mode:  
Generator model  
Welding current range (A)  
Permitted load (A/V):  
35% duty cycle  
60% duty cycle  
Open circuit voltage (V)  
Auxiliary power output (kVA / V)  
Three phase Power  
Single – phase Power  
Power factor  
Engine model  
Number of cylinder  
RPM  
Fuel  
Cooling system  
Starting system  
Fuel tank capacity  
Fuel consumption @ 75%  
Protection degree:  
Insulation class  
Dimensions (L x W x H) mm  
Net Weight

**KHH 300 IDREL**  
CC / DC welding current  
Gen Set asynchronous  
30 – 300  
  
300/32  
250/30  
70  
  
7 @ 400  
5 @ 230  
0,8  
**Ruggerini RD 210**  
2  
3000  
Diesel  
Air  
Electric  
16 l  
3,3 l/h  
IP23  
F  
985 x 470 x 820  
280 kg



## Ordering information

### Description

ESAB KHH300 IDREL

### Opcionales

Remote control,  
with 15m cable  
Spark arrestor NB040  
2 wheel site trolley  
4 wheel highway trailer

### Order number

R-KHH300IDREL

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### 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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