

KHM 2x400 PS

Dual welder - Engine driven welding /electric power unit for the toughest, professional, heavy-duty repair, maintenance and assembly work.

For heavy duty professional work

For the toughest environments needing high capacity. The wide working range together with the possibility to carbon rod gouge makes it possible to perform a large variety of work in environments where it is difficult or impossible to connect to the main supply.

Two welders using one unit saves investment, takes smaller space than two separate units and is easier to transport. The unit gives you a combination of strong, high quality DC current for coated electrode welding (MMA) and gouging. The same unit also supplies up to 40kVA electric power.

CC – MMA welding

Coated electrodes up to 8 mm can be welded. The low, 20 A min current allows welding with very small electrodes. Using the Arc force control allows welding of cellulosic electrodes and polarity change for pipe line welding. Special gouging outlets give optimal performance.

CV – MIG/MAG welding

After fitting a connector kit the unit can be used with the wire feeders Origo™ Feed 304, M13 or Origo™ Feed 484, M13 for MIG/MAG welding.

KHM 2x400 features

Separate gouging outlets, hour meter, over-speed protection, battery charge/low fuel/oil pressure indicators indicator, thermal load, arc force, voltmeter, lifting eyelet and Earth fault protection.

Power generation – electric output

Electricity is often needed to carry out the complete job. Drilling, grinding, drying electrodes and lighting are a few examples. This is why the units have built in power generators. On this unit you can use up to 20 kVA single phase 230V and 40 kVA three phase 400V. The units are equipped with earth fault protection.

Applications

- General fabrication and civil construction
- Repair and maintenance
- Power generation
- Pipelines



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Transport

The units are delivered as stationary. For transport, within the work site, there is optional site tow equipment. Both units have a central lifting eyelet.

Service support

Careful consideration was taken when we chose engine supplier. Since the engine is a large part of this unit, good service and spares backup was an important factor. If something should happen to the rest - ESAB has the best service network in the welding business.

Diesel water cooled engine

These units are equipped with powerful and efficient, water-cooled, Perkins, Diesel engines with battery and electric start.

- One power source for two welders
- Two welders can weld with 400A at the same time
- Welds up to 8 mm coated electrodes
- Supplies 230V and 400V electric power for tools, lighting etc.
- Reliable and economic Perkins engines
- Polarity change for pipe line welding

Technical data

DC welding Constant Current (CC) - MMA

Setting range, welding, A	20-2x400
Max welding output at 35% duty cycle, A	2x400
Max welding output at 60% duty cycle, A	2x360
Max welding output at 100% duty cycle, A	2x330
Open circuit voltage, V	70

Power generation

Single Phase, Volts / kVA / Hz	230 / 10 / 50
Tree Phase, Volts / kVA / Hz	400 / 35 / 50

Special 60 Hz versions available with 220/440V and/or 110V

Engine

Engine type	Perkins 1103A – 33TG14.236
Fuel / tank capacity, litres	Diesel / 102
Cooling	water
Power kW (hp) / rpm	45,6 kW (62,1) / 1500
Start	electric

Total unit

Sound levels DbA / LWA	69/94
Weight, kg	1300
Dimensions L x W x H mm	2490x1030x1300
Approx. running time, full tank at 60%	13 hours

Other features

- Hour meter for correct servicing
- Many indicators to reduce damage risk; battery charge / low fuel / oil and thermal load
- Foldable front panel protection with padlock possibility

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.

Ordering information

KHM 2x400 PS 0794 005 884

Accessories

Connector kit for Feed M13, 19 to 10-pole 0740 741 881

Remote control, with 20 m cable 0794 008 881

2 wheel site tow 0794 015 880

Earthing kit 0794 017 880

Albatross 3000X, welding helmet 0700 000 931

Delivery content: Single phase 230 V, 3 phase 400 V EEC plugs. Machine complete with engine oil, coolant and charged battery (maintenance free)

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