

KHM 190 HS and YS

Engine driven welding and power generating units for repair or on site assembly work

For Quick repair and assembly work
Compact and portable the KHM 190's gives you a combination of 190 Amps strong, high quality DC welding and up to 6kVA of AC electric power, all in the same unit.

The perfect partner for quick repair or assembly work, where it is difficult or impossible to connect to the mains supply.

Welding

The setting range is wide allowing you to weld most coated electrodes from 1,6 to 4mm. The units have two ranges. The lower range gives you more exact settings when welding thin electrodes.

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. You can use up to 5kVA single phase 230V and 6kVA three phase 400V.

Transport

The wrap around frames simplifies when 2 people move the equipment. It can also be used for hoisting the unit. The optional trolleys have 2 handles and 2 wheels to make it easier to transport if you are by yourself.

Service support

Careful consideration was taken when we chose engine suppliers. 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.

Petrol engine

If you prefer a petrol engine choose the KHM 190 HS which is equipped with the fuel efficient Honda GX 390. An air cooled, petrol engine with pull-start. This overhead valve engine is well known for its reliability and durability. The petrol engines largest advantage, compared to the diesel is the lower weight and lower cost.



KHM 190YS



KHM 190HS

Diesel engine

If you prefer a diesel engine, choose the KHM 190 YS. It is equipped with a silent and efficient air-cooled YANMAR L 100 N engine with electric start as well as a battery and battery charge indication. The engine is in compliance with the Euro 2 emission norms.

A diesel engine is sometimes preferred due to its much higher flash point than gasoline, thereby much safer in terms of combustibility. Diesel engines are known to consume less fuel and at lower cost for the same power as well as offering longer lifetime.

Applications

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

- Welds up to 4mm coated electrodes
- Supplies 230V and 400V electric power for tools, lighting etc.
- Reliable and economic

Technical data

	KHM 190 HS	KHM 190 YS
DC welding		
Setting range, welding, A	20-100 & 90-190	20-100 & 90-190
Max welding output at 35% duty cycle, A	190	190
Max welding output at 60% duty cycle, A	160	160
Max welding output at 100% duty cycle, A	120	120
Open circuit voltage, V	98	98
Power generation		
Single Phase, Volts / kVA / Hz	230 / 5 / 50	230 / 5 / 50
Tree Phase, Volts / kVA / Hz	400 / 6 / 50	400 / 6 / 50
<i>special 60 Hz versions available with 220/440 V and/or 110 V</i>		
Engine		
Engine type	Honda GX 390	Yanmar L 100 N
Fuel / tank capacity litres	Petrol / 6,5	Diesel / 5,5
Cooling	air	air
Power kW (hp) / rpm	8, 4 (11,4) / 3000	6,5 (8,8) / 3000
Start	manual	electric
Total unit		
Sound levels LWA / dB(A) -7m	98 / 73	100 / 73
Weight, kg	115	156
Dimensions L x W x H mm	910 x 525 x 612	900 x 550 x 622

Ordering information

KHM190HS, 50 Hz	0794 000 880
KHM190YS, 50 Hz	0794 000 882
Trolley for KHM190HS	0794 009 880
Trolley for KHM 190YS	0794 010 880
Earthing kit	0794 017 880
Albatross 3000, welding helmet	0349 502 200

Delivery content: Wrap around protection frame. KHM 190 YS delivered with battery.

Protections: Both units have engine oil alert, thermal load and earth fault protections

Albatross 3000 welding helmet, both for welding and grinding. The welding glass folds up and the inner glass protects you when grinding



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.



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