



# *Origo™ Mig 320*

## *Powerful and flexible*

### Robust and powerful

Origo™ Mig 320 is a step switched power source for MIG/MAG welding. Well proven technology together with ESAB developed software provides high reliability and outstanding welding performance.

The machines are made with a strong galvanised metal casing to withstand harsh environments. The large wheels, sturdy lifting eyelets and an under carriage designed for transport with forklift makes the machines easy to move.

### Easy to use

The wide current and voltage range make it easy to optimise settings for a wide variety of filler materials and gases.

### Flexibility

The machines are optimised to operate together with Origo™ Feed 302 wire feeder. As standard the wire feed unit sits on a swivel post mounted on the top of the Origo™ Mig providing a 360 degree radius of operation.

Different wire feed unit mounting options, and interconnection cable lengths of up to 35 metres provide maximum flexibility and working area.



The optional digital meter kit provides an accurate reading of the set welding parameters and will hold its display even after welding has finished.

## Applications

- **Auto repair**
- **General steel fabrication**
- **Vehicle industry**
- **Household and furniture**

- **Outstanding welding characteristics**- high efficiency and quality welding.
- **Sturdy galvanised metal casing with air filter as option** - made to withstand tough corrosive and adverse environments.
- **Wide current and voltage range**- no compromise, multi-purpose applications.
- **Easy change of polarity** - all types of cored wire



## Technical data

<b>Mains voltage V, ph Hz</b>	<b>Origo™ Mig 320</b> 400-415 3~ 50 or 230/400-415/500 , 3~ 50 230/440-460 , 3~ 60
<b>Fuse, slow, V/A</b>	230/20 - 400/16
<b>Mains cables, mm²</b>	4x2,5
<b>Permitted load at</b>	
30% duty cycle, A/V	320/ 30
60% duty cycle, A/V	250/ 27
100% duty cycle, A/V	195/ 24
<b>Setting range (DC), A/V</b>	40 / 16 - 320 / 30
<b>Open circuit voltage V</b>	16-40
<b>Open circuit power, W</b>	200
<b>Power factor at maximum current</b>	0,94
<b>Efficiency at maximum current, %</b>	75
<b>Control voltage, V, Hz</b>	42 , 50/60
<b>Voltage steps</b>	40
<b>Inductance outlets</b>	2
<b>Dimensions lxxwxh mm</b>	840 x 425 x 830
<b>Weight, kg</b>	111
<b>Operating temperature, °C</b>	-10 till +40
<b>Enclosure class</b>	IP 23
<b>Application classification</b>	S

## Ordering information

Origo™ Mig 320 (400-415V 50Hz)	0349 302 676
Origo™ Mig 320 (230/400-415/500V 50Hz ; 230/440-460V 60Hz)	0349 302 613
Origo™ Mig 320 (400-415V 50Hz) with digital instrument	0349 303 562
Air filter	0349 302 599
Cable holder	0349 303 362
Digital instrument	0349 302 598
Transformer for CO <sub>2</sub> heater	0349 302 250
Stabilizer	0349 303 475

### Interconnection cables

Air 1,7 m	0469 836 880
Air 5,0 m	0469 836 980
Air 10,0 m	0469 836 881
Air 15,0 m	0469 836 882
Air 25,0 m	0469 836 883
Air 35,0 m	0469 836 884

**Delivery content:** 5 m mains cable, wheels, 5m return cable with clamps, shelf for gas cylinder and a guide pin for the wire feeder, instruction manual.

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 non. 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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