



# ORIGO™

## MIG 410

**POWERFUL AND FLEXIBLE**





# ORIGO™ MIG 410

## ROBUST AND POWERFUL

**Origo™ Mig 410 is a sturdy and robust step switched power source for heavy duty MIG/MAG welding. Well proven technology together with ESAB developed software provides high reliability and outstanding welding performance.**

The machine is 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 machine easy to move.

### FLEXIBILITY

- The machines are optimised to operate together with Origo™ Feed 304 or Origo™ Feed 484 wire feeders. As standard the wire feed unit sits on a swivel post mounted on the top of the Origo™ Mig providing a 360° radius of operation.
- The in series fitted and calibrated digital meter kit provides an accurate reading of the set welding parameters and will hold its display even after welding has finished.
- Differing wire feed unit mounting options and interconnection cable lengths of up to 35 metres provide maximum flexibility and working area.
- The system is prepared ready for simple mechanisation applications using the ESAB MiggyTrac and Railtrac.

### EASY TO USE

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

The patented ELP, ESAB LogicPump, on the water cooled variants automatically starts the water pump in the machine when a water cooled gun is connected to the wire feeder (Origo™ Feed 304 or Origo™ Feed 484). This eliminates the risk of over-heating the welding gun and prevents costly repairs. When a self-cooled gun is used, the pump is automatically shut off giving lower noise and longer lifetime for the cooling pump.

### 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.





### 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 websites look at [www.esab.com](http://www.esab.com) or contact your local ESAB dealer.

### APPLICATIONS

- Civil construction
- Mobile machinery
- Foundries
- Shipyards
- Pipeworks

\*Image illustrates fully optioned unit fitted with pneumatic push/pull unit.

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## TECHNICAL DATA, ORIGO™ MIG 410

Mains Voltage, V/Ph Hz	400-415 3~ 50/60 or 230/400-415/500, 3~ 50 230/440-460, 3~ 60
Fuse Slow, A	400V/20A
Mains cable, mm <sup>2</sup>	4 x 2.5
Permitted load at	
50% duty cycle, A/V	400 / 34
60% duty cycle, A/V	365 / 32
100% duty cycle, A/V	280 / 28
Setting range, (DC), A/V	50 / 16.5 - 400 / 34
Open Circuit Voltage, V	17- 45
Open Circuit Voltage, W	360
with cooling unit, W	600
Power factor at maximum current	0.98
Efficiency at maximum current, %	71
Voltage steps	40
Inductance outlets	2
Dimensions l x w x h, mm	812 x 552 x 925
Weight, kg	144
with cooling unit	158
Operating temperature, °C	-10 till +40
Enclosure class	IP 23
Application classification	S

## MIG 410 PLANT CONTENTS (PART NO W1009680)

Description	Item number
Origo MIG 410 Power Source, mains cable 5m 415V/3Phase (NO plug)	0349 303 563
Origo Feed 304 M12	0459 116 882
Interconnection Cable Set 10m	0469 836 881
MIG Torch PSF415 4.0m	0700 025 041
1.2mm M8 contact tip	0468 502 007
0.9/1.2mm feed roll	0459 052 003
work lead with clamp 5m, Cylinder tray, Regulator Comet 250 Argon 45LPM 201017, Kit Connector 5/8-18UNF RH 308689 & instruction manual	

## ORDERING INFORMATION

Description	400 Amp
Air 1.7 m	0469 836 880
Air 5 m	0469 836 981
Air 10 m	0469 836 881
Air 15 m	0469 836 882
Air 25 m	0469 836 883
Air 35 m	0469 836 884

## ORDERING INFORMATION

Description	Item number
Origo™ Mig 410 (400-415V 50Hz)	0349 303 563
Air filter	0349 302 423
Origo™ Feed 304, M12 encl. Wire Feeder - c/w 0.9/1.2mm V Groove Feed Rolls	0459 116 882
Cable holder	0349 303 362
Stabilizer	0349 303 474
Reinforcer kit for counterbalance	0349 309 748

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.

