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Buddy™ Mig 500i

Buddy™ Feed 402

Rugged & Reliable Package

Robust and powerful

Buddy Mig 500i is an inverter controlled power source meant for MIG/MAG welding. With well proven technology, the inverter controlled power source will reduce the overall input power required thus reducing energy cost.

Electronically controlled feeding gives accurate and stable arc. Stepless inductance control provides good arc starting characteristics and low spatter level at low current range.

The sturdy eyelets allow the power source to be lifted easily and an optional trolley allows the gas cylinder to be placed together with the power source to improve mobility.

Easy settings

Wire feed speed, voltage control and wire inching are made on the wire feeder. The crater current and voltage, gas check, 2/4 stroke and inductance are set on the front panel of the power source.

Other settings such as creep start, pre-flow and post-flow are preset to reduce the hassle of adjusting the machine.

Flexibility

The power source is built to IP23S rating, which makes it a perfect solution for tough, outdoor working environment.

The compact & lightweight wire feeder allows access of the feeder unit into tight spaces, thus improving mobility.

The power source has an heater outlet for powering a 110V CO₂ heater regulator to remove the need for an additional power line.



Applications

- Shipbuilding
- Civil construction
- Pipe workshops
- General steel fabrication

- **Inverter controlled** – more efficient power usage
- **Light weight** – improve mobility
- **Easy-to-use control panel** – quick setup
- **Sturdy eyelets for lifting** – improve mobility (power source only)
- **IP23S** – safe to use on outdoor applications
- **Stepless inductance** – easy to optimize settings

Technical data

Product name	Buddy™ Mig 500i
Mains voltage, V/Ph Hz	400V ± 15%, 3ph, 50Hz
Fuse (slow), A	35
Mains cable, Ø mm²	4C x 6
Permitted load at (MIG)	
60% duty cycle, A/V	500 / 39
100% duty cycle, A/V	387 / 33.4
Power factor at maximum current	0.93
Efficiency at maximum current, %	85
Setting range (MIG/MAG), A / m/min	50 – 500 / 1.5 – 20.0
Open circuit voltage, V	70
Control voltage, V	24 DC
Heater output voltage, V	110 AC
Dimensions l x w x h, mm	610 x 335 x 640
Weight, kg	56
Operating temperature	-10 till 40°C
Enclosure class	IP23S
Application class	S
Standards	IEC 60974-1 IEC 60974-10



Product name	Buddy™ Feed 402
Wire feed voltage, V	24 DC
Wire feed speed, m/min	1.5 - 20
Wire diameter, MS/Al/FC, mm	0.8 – 1.6
Weight, kg	9
Dimensions l x w x h, mm	460 x 200 x 280
Operating temperature	-10 till 40°C
Connection Type	EURO

Ordering information

Buddy™ Mig 500i	0700 301 000
Supplied with 3m mains cable & 5m return cable with clamp	
Buddy™ Feed 402	0700 301 200
Connection Set, 15m	0700 301 300
Connection Set, 25m	0700 301 301
Supplied with welding cable, gas hose & control cable	
Optional Accessories:	
Wheel Kit	0700 301 010
Trolley with gas tray	0700 301 011
PSF 405, 3m	0458 401 884
PSF 405, 4.5m	0458 401 885
CO ₂ regulator	As per local requirement

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.



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