

Buddy™ Mig 350i

Buddy™ Feed 402

Powerful & Flexible Package

Robust and powerful

Buddy Mig 350i 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.

The power source is built to withstand rugged use which makes it a perfect solution for industrial usage. It is intended for a wide range of light, medium and heavy Mig/Mag and FCW applications .

Electronically controlled feeding gives accurate and stable arc control. The stepless inductance control provides good arc starting characteristics and low spatter level at low currents.

Easy settings

Wire feed speed, voltage control and wire inching are set conveniently on the wire feeder. The crater current and voltage, gas check, 2/4 stroke and inductance controls are standard features allowing the operator to reduce set up times and ensure a quality weld every time.

Other settings such as creep start, pre-flow and post-flow are preset to optimal levels.

Flexibility

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

The power source has a heater outlet for powering a 110V CO₂ heater regulator, removing the need for additional power supplies.

The optional trolley allows the gas cylinder to be placed together with the power source to improve mobility.

With the optional Voltage Control Box, the power source is also compatible for usage with arc voltage sensing feeders.



Applications

- **Automotive Industry**
- **Sheet metal works**
- **Civil construction**
- **General steel fabrication**

- **Inverter controlled** – more efficient power usage
- **Light weight** – improved mobility
- **Easy-to-use control panel** – quick setup
- **Stepless inductance** – easy to optimize settings
- **Suitable for welding different materials** – Mild steel, stainless steel & Aluminum

Technical data

Product name	Buddy™ Mig 350i
Mains voltage, V/Ph Hz	400V ± 15%, 3ph, 50Hz
Fuse (slow), A	20
Mains cable, Ø mm²	4C x 4
Permitted load at (MIG)	
40% duty cycle, A/V	400 / 34
60% duty cycle, A/V	350 / 31.5
100% duty cycle, A/V	270 / 27.5
Power factor at maximum current	0.93
Efficiency at maximum current, %	85
Setting range (MIG/MAG), A / V	50 – 400 / 15 – 40
Open circuit voltage, V	65
Control voltage, V	24 DC
Heater output voltage, V	110 AC
Dimensions l x w x h, mm	590 x 300 x 530
Weight, kg	35
Operating temperature	-10 till 40°C
Enclosure class	IP21
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/(FC/Al), mm	0.8 – 1.6 / (1.2 – 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

Power Source	
Buddy™ Mig 350i	0700 301 100
Supplied with 3m mains cable & 5m return cable with clamp	

Wire Feeder	
Buddy™ Feed 402	0700 301 200
With 1 pressure roller & 2 feed rollers (1.0/1.2 V & 1.2/1.6 V-K)	

Connection Sets	
Connection Set, 5m, 50mm²	0700 301 298
Connection Set, 10m, 50mm²	0700 301 299
Connection Set, 15m, 70mm²	0700 301 300
Connection Set, 25m, 70mm²	0700 301 301
Comprises of welding cable, gas hose & control cable	

Mig Guns	
PSF 305, 3m	0458 401 880
PSF 305, 4.5m	0458 401 881
PSF 405, 3m	0458 401 882
PSF 405, 4.5m	0458 401 883

Optional Accessories:	
Trolley with gas cylinder tray	0700 301 105
Wire Bobbin (Feed 402)	0700 301 239
Wheel Kit (Feed 402)	0700 301 240
Voltage Control Box (for AVS feeder)	0700 301 012
CO ₂ regulator	As per local requirement
Heavy duty Basic welding gloves	0700 005 007
Origo™ Tech 9-13 Black welding helmet	0700 000 296
Origo™ Tech 9-13 Yellow welding helmet	0700 000 298

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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