

# Buddy™ MIG 400i / 500i

## Rugged & Reliable Inverters



Buddy™ MIG 400i/ 500i

### Robust and Powerful

Buddy™ MIG 400i / 500i are heavy duty IGBT based inverter controlled power sources for MIG / MAG welding. The power sources are built to withstand rugged use, which makes it a perfect solution for industrial usage. It is ideal for heavy industries using solid and flux-cored wires.

- Light weight for improved mobility
- Wide Voltage tolerance for stable welding output
- Variable inductance control for better arc performance
- Energy savings with high power factor & efficiency
- Application class S for operating in conditions with high electrical hazards

Visit [www.esabindia.com](http://www.esabindia.com) for more information.

### Industry

- General fabrication
- Construction
- Shipbuilding
- Railways



## Specifications / Technical data

	Buddy™ MIG 400i	Buddy™ MIG 500i
Mains supply, V/Ph, Hz	400 ± 15% / 3, 50	400 ± 15% / 3, 50
Effective Input Current, A	19	29
Permitted load at 60% duty cycle, A	400	500
Permitted load at 100% duty cycle, A	310	387
Power factor at maximum current	0.93	0.93
Efficiency at maximum current, %	85	85
Current range, A	50 - 400	50 - 500
Voltage range, V	16.5 - 34	16.5 – 39
Open circuit voltage(OCV), V	65	70
Dimensions l x w x h, mm	590 x 295 x 525	610 x 335 x 640
Weight, kg	35.5	56
Operating temperature, degree C	-10 to 40	-10 to 40
Enclosure class	IP 21	IP 21
Application class	S	S
Standards	IEC 60974 – 1; IEC 60974 - 10	IEC 60974 - 1 IEC 60974 - 10
<b>Buddy™ Feed 402</b>		
Wire feed Speed, m/min	1.5 - 20	
Wire diameter, MS/SS/ (FC/AL), mm	0.8 – 1.6 (1.2 – 1.6)	
Dimensions l x w x h, mm	460 x 200 x 280	
Weight, Kg	9	

## Ordering Information

Description	Part number	Description	Part number
Buddy™ Mig 400i	0700 301 103	Buddy™ Mig 500i	0700 301 000
Buddy™ Feed 402	0700 301 200	Connection Set 5m	0700 301 302
Connection Set 10m	0700 301 303	Connection Set 15m	0700 301 300
Connection Set 25m	0700 301 301	PSF 405 3m Euro Torch	4650 692 920
PSF 405 4.5m Euro Torch	4650 692 921	PSF 505 3m Euro Torch	4650 692 922

Note: Buddy™ Mig 400i/ 500i is delivered with 3 mains cable and 5m return cable with earth clamp

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MANAGEMENT SYSTEM  
CERTIFIED BY DNV  
= ISO 9001 =  
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