

# **BUDDY™**

## **ROBUST & POWERFUL INVERTER**

# Buddy MIG 400i / 500i

## Robust and Powerful

- Heavy Duty Inverter (IGBT) for MIG/MAG welding
- Designed to withstand rugged use
- Suitable for 0.8–1.6 (MS/SS), 1.2–1.6 mm (Al/FC) wire
- Sustenance to wide mains voltage fluctuations
- Heavy duty drive system for smooth wire-feeding upto 25m
- Excellent welding performance with thin plates



# Buddy MIG 400i / 500i

## Safety and Reliability

- Conforms to EN 60974 -1, -10 (EMC)
- In-built protection against over-heating & over/under voltage
- Application Class 'S' - Safety against high electrical hazard
- OKC connectors - no exposed live parts & quick polarity change

Parameter	BM 400i / 500i
Operating temperature, Deg C	-10 to +40
Application class	S
Standards	IEC 60974 -1 / -10



# Buddy MIG 400i / 500i

## User Friendly

- Stepless inductance control for better arc performance
- Preset creep start, pre-flow & post-flow for user convenience
- Crater Voltage & Current control
- 2/4 stroke selection on machine
- Gas check / weld mode selection on machine
- Wire-feeder mounted Remote control for V, wfs, wire inching
- High visibility digital displays for Voltage and Current



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## Technical Specifications

Parameter	BM 400i	BM 500i
Mains supply, V/Ph, Hz	400±15% / 3, 50	
Effective input current, A	19	29
Output range, A	50 – 400	50 – 500
Output range, V	16.5 – 34	16.5 – 39
Open circuit voltage, V	65	70
Permitted load at 60% duty cycle, A	400	500
Permitted load at 100% duty cycle, A	310	387
Power factor (max)	0.93	
Efficiency (max)	85%	
Dimensions, l x w x h, mm	590 x 295 x 525	610 x 335 x 640
Weight, kg	36	56
Power source cooling	Forced Air	
Digital Display	Voltage / Current	
Operating temperature, Deg C	-10 to +40	
Application class	S	
Standards	IEC 60974 -1 / -10	

Parameter	Buddy Feed 402
Wire feed speed, m/min	1.5 – 20
Wire dia MS/SS / (Al/FC), mm	0.8–1.6 / (1.2–1.6)
Dimensions, l x w x h, mm	460 x 200 x 280
Weight, Kg	9
Interconnection length, m	5 / 10 / 15 / 25
Connection type	EURO



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## Best Suited Application Areas

- General Fabrication
- Construction
- Railways
- Shipbuilding

