

Buddy™



ROBUST & POWERFUL

Rugged
High power-to-weight ratio
Wide input voltage sustenance

SAFETY & RELIABILITY

Conforms to IEC standards
Application class "S"
In-built VRD



USER FRIENDLY

Simple Control Panel
Remote control parameter setting
Bright digital display

Buddy™ MIG 400i / 500i



Robust and Powerful

Buddy™ MIG are heavy duty, fan cooled IGBT inverters for MIG / MAG welding. The power sources are built to withstand rugged use with very wide input voltage tolerance and high duty cycle for continuous operation. The light weight wire-feeder is equipped with large feed-rollers and powered by a heavy duty drive system for smooth wire-feeding with long inter-connections upto 25m and upto max speed of 20m/min. Buddy MIG also exhibits excellent welding performance with thin plates.

Safety and Reliability

The Buddy™ MIG machines conform to international standards and are equipped with over-heating and mains over/under voltage protection that temporarily switch off the machine and prevent any potential damage to components.

User Friendly

The power source has simple control panel for setting crater current and voltage, gas check, 2/4 stroke and variable inductance control. Wire-feed speed, voltage and wire-inching control are available on the wire-feeder. The machine has pre-set creep start, pre & post-flow for hassle free operation. The machine has very clear & bright digital displays for current and voltage.

| Buddy™ | | |
|--------------------------------------|-----------------------|-------------------|
| | MIG 400i | 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 |
| 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 |
| Enclosure class | IP 21 | IP 21 |
| Buddy™ Feed 402 | | |
| 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 | |

Buddy™ Arc 400i / 400i XC

Robust and Powerful

Buddy™ Arc are heavy duty, fan cooled IGBT inverters for MMA / TIG (Scratch-start) welding and built to withstand rugged use with very wide input voltage tolerance and high duty cycle for continuous operation. The equipment has very high power-to-weight ratio and displays good welding performance with long lead (50sqmm Cu cable) lengths upto 50m. Buddy Arc 400i XC has controlled welding dynamics that provides excellent properties on pipe root passes with cellulosic electrodes.



Safety and Reliability

Buddy™ Arc machines conform to international standards and are equipped with over-heating and mains over/under voltage protection. The in-built VRD feature for limiting OCV to <35V ensures user safety.

User Friendly

The power sources have simple control panel and are equipped with adjustable hot start and arc force control. The power sources have bright digital displays and can be equipped with remote control unit.

| Buddy™ | |
|---|-------------------|
| | ARC 400i/ 400i XC |
| Permitted load at 60%/ 100% duty cycle, A | 400/ 310 |
| Current range, A | 20 - 400 |
| Open circuit voltage(OCV), V | 68/ 78 |
| Reduced OCV (VRD), V | <35 |
| Dimensions l x w x h, mm | 540 x 280 x 510 |
| Weight, kg | 29/ 31 |

Buddy™ TIG 400i



Robust and Powerful

Buddy™ TIG 400i is a heavy duty, fan cooled IGBT inverter for TIG welding and is built to withstand rugged use with very wide input voltage tolerance and high duty cycle for continuous operation.

Safety and Reliability

Buddy™ TIG 400i conforms to international standards and are equipped with over-heating and mains over/under voltage protection. The in-built VRD feature for limiting OCV to <35V ensures user safety.

User Friendly

The power source supports very precise current control from 5-400A with 2T/4T and HF/Lift Arc selection options. The single large encoder supports easy parameter setting over the full range. The equipment also exhibits very good welding performance with cellulosic electrodes.

| Buddy™ | |
|--|-----------------|
| | TIG 400i |
| Permitted load at 40%/ 60%/ 100% duty cycle, A | 400/ 310/ 250 |
| Current range: HF TIG/ MMA, A | 5- 400/ 20- 400 |
| Open circuit voltage(OCV), V | 80 |
| Reduced OCV (VRD), V | <15 |
| Dimensions l x w x h, mm | 540 x 280 x 510 |
| Weight, kg | 32.5 |

World leader in welding and cutting technology and systems.



ESAB operates at the forefront of welding and cutting technology. Over one hundred years of continuous improvement in products and processes enables us to meet the challenges of technological advance in every sector in which ESAB operates.

Quality and environment standards

Quality, the environment and safety are three key areas of focus. ESAB is one of few international companies to have achieved the ISO 14001 and OHSAS 18001 standards in

Environmental, Health & Safety Management Systems across all our global manufacturing facilities.

At ESAB, quality is an ongoing process that is at the heart of all our production processes and facilities worldwide.

Multinational manufacturing, local representation and an international network of independent distributors brings the benefits of ESAB quality and unrivalled expertise in materials and processes within reach of all our customers, wherever they are located.

ESAB Sales and Support Offices worldwide



ESAB INDIA LIMITED

Registered and Head Office: Plot No. 13, 3rd Main Road, Industrial Estate, Ambattur, Chennai - 600058.
Tel: 044-42281100, Fax: 044-42281150, Email: info@esab.co.in, www.esabindia.com

Factories: Ambattur & Irungattukottai (Chennai), Kalmeshwar (Nagpur).

Eastern Regional Office
P41 Taratala Road,
Kolkata 700 088.
Tel: (033) 24019671

Central Regional Office
No. 218, Ashirvad, South Ambazari Road
Bajaj Nagar, Nagpur - 440010
Tel: (0712) 222 9547 / 48

Western Regional Office
501/502, 5th Floor, Sagar Tech-B
Andheri Kurla Road, Saki Naka, Andheri East,
Mumbai 400072. Tel : (022) 2851 7386

Southern Regional Office
13, 3rd Main Road, Industrial Estate,
Ambattur, Chennai - 600 058
Tel: (044) 4340 4806

Northern Regional Office
239 & 240, DLF Tower,
Shivaji Marg, Opp. Audi showroom
New Delhi - 110 015. Tel: (011) 41427090

