

# Buddy™ Tig 160 – 160 Amp HF TIG / Stick welder

## Portable solution for professional welding

The Buddy™ Tig 160 is a robust and durable power source for the professional welder. The machine provides state-of-the-art welding performance and reliability through use of the latest high grade IGBT technology.

### Designed for durability

The Buddy™ Tig 160 is a user friendly, robust and still light weight TIG machine, offering HF start and a stick (MMA) mode.

The internal electronics are cooled by a highly efficient fan for added reliability and monitored by a thermal protection system. The machine has been equipped with three heat sinks which further extending the life time of the product.

The casing has been designed to withstand harsh environments and is rated to IP 23S standard. The machine incorporates both a shoulder strap and a robust carry handle.



### TIG welding

The Buddy™ Tig 160 provides superior TIG welding with smooth arc characteristics. The HF arc start prevents contamination of the weld material and electrode.

The built in gas valve automatically controls the gas flow ensuring a low gas consumption.

The operator can chose between 2 stroke and 4 stroke torch trigger mode.

The machine can weld mild steel or stainless steel with or without filler material.

### MMA welding

The Buddy™ Tig 160 provides a smooth DC (Direct Current) welding power which allows you to weld most metals such as alloyed and non alloyed steel, stainless steel and cast iron.

The arc force and hot start settings are adjusted automatically according to the set welding current giving excellent arc starts and welding performance across the amperage range of the machine.

The Buddy™ Tig 160 can weld most electrodes from Ø1.6 - 3.2 mm.



### Control panel

The control panel on the Buddy™ Tig 160 is very easy to use with one adjustment knob to set the weld current and one to set the slope down time in TIG mode or the arc force in MMA mode.

## Applications

- Plant Fabrication & Maintenance
- Site Maintenance/Repair
- Civil construction
- General Fabrication
- Agriculture

- **Superior arc characteristics** – Smooth welding conditions
- **Generator compliant** – Suitable for use with generators.
- **Easy to use** – Set the welding current and slope down / arc force and weld with excellent result
- **Practical design** - makes the power source easy to carry which enables use at almost any work site
- **Robust design** - withstands harsh environments
- **Can be used with extended mains cable** - provides extended working range.

## Technical data

|   |                       |
|---|-----------------------|
|   | <b>Buddy™ Tig 160</b> |
| <b>Mains voltage V/ph Hz</b>                | 230/1 50/60           |
| <b>Fuse (slow), A</b>                       | 16                    |
| <b>Permitted load at 40°C, TIG</b>          |                       |
| 20% duty cycle, A/V                         | 160/16,4              |
| 60% duty cycle, A/V                         | 105/14,2              |
| 100% duty cycle, A/V                        | 85/13,4               |
| <b>Permitted load at 40°C, MMA</b>          |                       |
| 20% duty cycle, A/V                         | 160/26,4              |
| 60% duty cycle, A/V                         | 105/24,2              |
| 100% duty cycle, A/V                        | 85/23,4               |
| <b>Setting range TIG / MMA (DC), A</b>      | 5 - 160               |
| <b>Open circuit voltage, V</b>              | 60                    |
| <b>Phase current I<sub>1eff</sub> (TIG)</b> | 10,2 A                |
| <b>Phase current I<sub>1eff</sub> (MMA)</b> | 14,6 A                |
| <b>Dimensions l x w x h, mm</b>             | 310 x 140 x 230       |
| <b>Weight, kg</b>                           | 6,0                   |
| <b>Enclosure class</b>                      | IP 23S                |
| <b>Application classification</b>           | S                     |

## Ordering information

### **Buddy™ Tig 160 Inverter CE c/w plug**

Machine including 4 meter HF TIG torch (ET 17) and 3 m MMA welding and return cable kit 0700 300 681

### **Delivery contents:**

4 meter HF TIG torch  
3 meter welding cable and return cable kits

## PPE & welding accessories (See separate catalogue for complete offering)



Warrior™ Tech 9-13 Yellow 0700 000 401  
Warrior™ Tech 9-13 Black 0700 000 400



Eco-Arc II 60x110 0700 000 760  
Eco-Arc II 90x110 0700 000 762



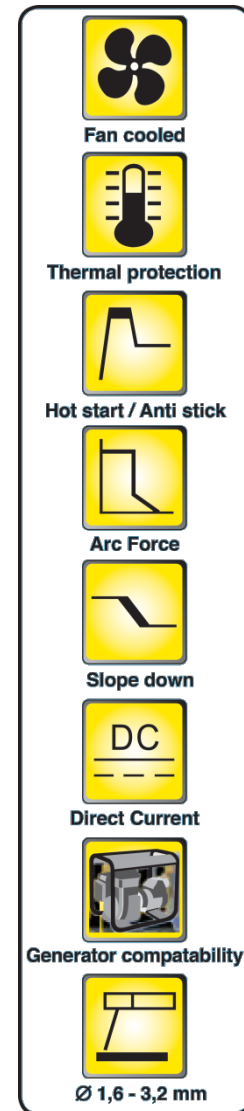
Heavy Duty Black 0467 222 007  
Curved Tig gloves, 8 0700 005 036  
Curved Tig gloves, 9 0700 005 041  
Curved Tig gloves, 10 0700 005 042  
Curved Tig gloves, 11 0700 005 037



Steel brush, 2 row 0760 024 100  
Steel brush, 3 row 0760 024 200  
Steel brush, 4 row 0760 024 300



SH 2 chipping hammer 0000 663 000  
SH 3 chipping hammer 0683 200 001



Quality accessories for the quality welder  
ESAB offers a wide range of accessories. For information on the complete product range, go to our web-site: [www.esab.com](http://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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