



Buddy™ Tig160

160 Amp HF TIG / Stick welder

Portable solution for professional welding

The Buddy™Tig160 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 IGBT technology.

Designed for durability

The Buddy™Tig160 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 rated to IP 23S standard. The machine incorporates both a shoulder strap and a robust carry handle.



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



Control panel

The control panel on the Buddy™Tig160 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

TIG welding

The Buddy™Tig160 offers superior TIG welding with smooth arc characteristics. The HF arc start prevents contaminating the weld material and electrode. The built-in gas valve automatically controls the gas flow ensuring a low gas consumption.

The operator can choose 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™Tig160 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™Tig160 can weld most electrodes from Ø1.6-3.2 mm.

- **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

	Buddy™ Tig160
Mains voltage V/ph Hz	230/1 50/60
Fuse (slow), A	16
Permitted load at 40°C, TIG	
25% duty cycle, A/V	160/16,4
60% duty cycle, A/V	100/14
100% duty cycle, A/V	90/13,6
Permitted load at 40°C, MMA	
25% duty cycle, A/V	160/26,4
60% duty cycle, A/V	100/24,2
100% duty cycle, A/V	80/23,2
Setting range TIG / MMA (DC), A	5 - 160
Open circuit voltage, V	58
Input Current I_{eff} (TIG)	11,4 A
Input Current I_{eff} (MMA)	16,3 A
Dimensions l x w x h, mm	310 x 140 x 230
Weight, kg	6,0
Enclosure class	IP 23S
Application classification	S

Ordering information

Buddy™ Tig160 Inverter

Machine including 4 meter HF TIG torch (ET 17) and 3 m MMA welding and return cable kit 46F0225160

Optional :

TIG Torch (ET 17) 46F0822001

PPE & welding accessories

(See separate catalogue for complete offering)



Origo™ Tech 9-13 Helmet 2001001001



Eco-Arc Helmet (83x108mm) 2001001003



TIG Professional Hand Gloves 2001005003



Welding Apron 2001007001



Esab Safety Shoe



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 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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