# Buddy<sup>™</sup> Tig160

## 160 Amp HF TIG / Stick welder

## Portable solution for professional welding

The Buddy<sup>™</sup>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<sup>™</sup>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.



#### **Control panel**

The control panel on the Buddy<sup>™</sup>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





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

#### **TIG** welding

The Buddy<sup>™</sup>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<sup>™</sup>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  $^{\text{\tiny{IM}}}$  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<sup>™</sup>Tig160 230/1 50/60 Mains voltage V/ph Hz Fuse (slow), A Permitted load at 40°C, TIG

160/16,4 25% duty cycle, A/V 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 Input Current I<sub>eff</sub> (TIG) 11.4 A Input Current I<sub>eff</sub> (MMA) 16,3 A

Dimensions lxwxh, mm 310 x 140 x 230

Weight, kg 6.0 **Enclosure class IP 23S Application classification** S

#### **Ordering information**

Buddy<sup>™</sup>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



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

Ø 1,6 - 3,2 mm

Hot start / Anti stick

Arc Force

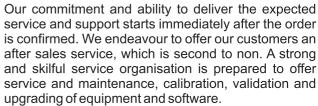
Slope down

Direct Current



TIG Professional Hand Gloves 2001005003





The service organisation will offer standardised solutions for the reconditioning or modification of existing products.





**Esab Safety Shoe** 

Welding Apron



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