# STH 160 L

TIG/Stick Welding Power Source





### Quick Specs

CE

#### **Applications**

Process Pipe
Maintenance Repair
Restaurant/Kitchen Repair
Experimental Aircraft
Dairy Industry
Food/Beverage Industry
Shipboard Installation/Repair

#### **Process**

TIG Pulsed TIG Stick

#### **Input Power:** 230 VAC 1 Phase

**Amperage Range:** 5–160 A

145 A 30% DC at 40° C

Max. Open-Circuit

**Voltage:** 85 Volt

**Weight:** 6,0 kg

## The Power of Blue.®

Inverter-based, DC power source has a **simple-to-use operator interface** providing only the necessary controls in a compact machine.

Best in class Stick and TIG arc characteristics for those demanding iobs.

**Portable** in the shop or at the job site - at 6,0 kg the shoulder strap allows the end user to easily move from location to location.

**Built-in pulsing capabilities** allow the operator to select from four fixed pulse frequencies to satisfy the application.

**HF Start** for non-contact arc starting that eliminates tungsten or material contamination.

**Dual Fan technology** an optimised power source cooling system which enables the machine to operate at a lower temperature, thus increasing it's performance and life cycle.

Terminal overload protection with indicator lights helps prevent the machine damage if the duty cycle is exceeded or airflow is blocked.



#### Digital meter with presetting,

shows preset current before welding and actual value during welding.

Remote control connector to connect a remote control.

**Lift TIG function**, support TIG welding with Lift TIG start without the risk of tungsten contamination.

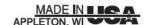
Adjustable Hot Start<sup>TM</sup> for Stick arc starts. Adjust the optimal start current for the application. The current automatically increases the output amperage at the start of a weld.

Adjustable Arc force™ prevents sticking. Adjust the optimal arc force value. Adjustable arc force supports positional welding by increasing the output amperage.

VRD function is a simple design that reduces the open-circuit voltage to 12-16 volts when the welding power source is not in use.



Power source is warranted for 3 years, parts and labour.







## **Specifications**









Input Power	Rated Welding Output	Welding Ampe- rage Range	Max. Open-Circuit Voltage	Amps Input at Rated Output	Dimensions	Weight
230 VAC	145 A at 30 % Duty Cycle	TIG: 5 - 160 A Stick: 20 - 100 A	85 VDC	16 A	H: 245 mm W: 145 mm D: 380 mm	6,0 kg

## **Ordering Information**

Power Source	Stock No.	Description	
STH 160 L	059 016 021	TIG Inverter, incl. power cord and work clamp	
Accessories			
TIG - Torches	WTC9S4NXXF	Tig Torch WTC9, 125 A, 35% DC, 4 m	
	WTC9P14NXXF	Tig Torch WTC9, 125 A, 35% DC, 4 m, with Ampere control	
	WTC17S4NXXF	Tig Torch WTC17, 150 A, 35% DC, 4 m	
	WTC17P14NXXF	Tig Torch WTC17, 150 A, 35% DC, 4 m, with Ampere control	
Welding cable kit	058 066 079	Stick electrode holder 3 m and work piece clamp 3 m with 25 mm Dins connector.	
Gas hose	907 200 OSL	Length 2 m, Outlet Connection 1/4"R en 3/8" R Inlet	
RFCS-6M	195 183	Remote foot control, length 4 m	
	195 504	Remote foot control, length 6 m	
Gasregulator	373 700 00	Elga Optimator gas saving regulator with flow meter	
	371 050 00	Elga Tigex with flow meter	

