

# STi 160

Stick/TIG Welding  
Power Source



## Quick Specs



### Light Industrial Applications

Process pipe  
Maintenance repair  
Farm/ranch  
Dairy industry  
Food/beverage industry  
Shipboard installation

### Processes

Stick (SMAW)  
Lift-Arc™ TIG (GTAW)

### Input Power

230 V, 1-phase, 50/60 Hz

**Amperage Range** 4–150 A

**Rated Output** 100 A at 100% duty cycle  
150 A at 25% duty cycle

**Max. Open-Circuit Voltage** 70 V

**Net Weight** 6.0 kg (13.2 lb.)

**Portable** in the shop or at the jobsite — at 6.0 kg (13.2 lb.) the shoulder strap allows the end user to easily move from location to location.

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

**Dual fan technology.** An optimised power source cooling system which enables the machine to operate at a lower temperature, thus increasing its performance and life cycle.

**Thermal overload protection with indicator light** helps prevent machine damage if the duty cycle is exceeded or airflow is blocked.

**VRD function** is a simple design that reduces the open-circuit voltage to 20 volts when the welding power source is not in use.



**Digital meter with presetting.** Shows preset current before welding and actual value during welding.

**Full-function remote control connector** for precise amperage control for critical welds on thin materials.

**Lift-Arc™** start provides TIG arc starting without the use of high frequency or the risk of tungsten contamination.

**Best-in-class stick arc characteristics** for those demanding jobs.

**Adjustable Hot Start™** 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.

### STi 160 comes complete with:

- Power source
- 3-meter (10 ft.) power cord
- 4-meter (13 ft.) stick electrode holder with 25-millimeter Dinse-style connector
- 4-meter (13 ft.) work clamp with 25-millimeter Dinse-style connector
- Shoulder strap

See page 2 for ordering information.



Warranted for three years, parts and labour.



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# Specifications (Subject to change without notice.)



Input Power	Welding Mode	Welding Amperage Range	Rated Welding Output	Amps Input at Rated Output, 50/60 Hz	KVA	KW	IP Rating	Max. Open-Circuit Voltage	Dimensions	Net Weight
230 V, 1-phase, 50/60 Hz	Stick	4–150 A	100 A at 24.0 VDC, 100% duty cycle	20	4.5	2.8	IP23	70 V	H: 245 mm (9.625 in.) W: 145 mm (5.75 in.) D: 380 mm (15 in.)	6.0 kg (13.2 lb.)
			150 A at 26.0 VDC, 25% duty cycle	30	7.0	4.8				
	TIG	15–150 A	100 A at 14.0 VDC, 100% duty cycle	13	3.0	2.0				
			150 A at 16.0 VDC, 25% duty cycle	21	4.8	3.2				

## Ordering Information

Power Source	Stock No.	Description	Qty.	Price
<b>STi 160</b>	<b>059016012</b>	Stick/Lift-Arc™ TIG inverter, 230 V, single-phase, 50/60 Hz. Includes shoulder strap and 3-meter (10 ft.) power cord		
<b>Accessories</b>				
Stick Welding Kit	<b>058066079</b>	3-meter (10 ft.) electrode holder with cable and 3-meter (10 ft.) work clamp with cable		
RCCS-6M	<b>195184</b> <b>195503</b>	4-meter (13 ft.) remote fingertip control 8-meter (26.5 ft.), remote fingertip control		
RFCS-6M	<b>195183</b> <b>195504</b>	4-meter (13 ft.) remote foot control 6-meter (20 ft.) remote foot control		
RMS-6M	<b>195269</b>	8-meter (26.5 ft.) remote on/off control		
Dinse-Style Flow Thru Adapter	<b>195234</b>	25-millimeter adapter for TIG torch connection		
6-Pin Remote Plug	<b>217796</b>	6-pin remote plug to add to an existing remote		
TIG Torches				
Gas Hose				
Gas Regulators				

Date: Total Quoted Price:

Distributed by:

