

# STi 203

Stick/TIG Welding  
Power Source



## Quick Specs



### Industrial Applications

Petro/Chemical  
Mechanical Contractors  
Shipboard Installation  
Process Piping

### Processes

Stick (SMAW)  
Lift-Arc™ TIG (GTAW)

**Input Power** 400 V, Three-Phase

**Amperage Range** 5–200 A

**Rated Output** 200 A at 28 V, 40% Duty Cycle

**Net Weight** 17 kg (37.5 lb.)

**Portable** in the shop or at the jobsite— at 17 kg (37.5 lb.) the STi 203 is easily moved 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.

**Digital meter.** Preset amperage/voltage or actual while welding.

**Remote amperage control** provided through 14-pin receptacle on front of machine. This permits use of standard remote amperage control devices.

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



### STi 203 comes complete with:

- Power source
- 3-meter (10 ft.) power cord without plug

See page 2 for ordering information.

**Adaptive Hot Start™** for Stick arc starts automatically increases the output amperage at the start of a weld should the start require it. Prevents the electrode from sticking and creating an inclusion.

**DIG control** allows the arc characteristics to be changed for specific applications and electrodes. Lower the DIG setting for smooth running electrodes like E7018 and increase the DIG setting for stiffer, more penetrating electrodes like E6010.



Warranted for 3 years, parts and labour.

## Specifications (Subject to change without notice.)



Input Power	Welding Mode	Amperage Range	Rated Output	Amps Input at Rated Output, 50/60 Hz			KVA	KW	Max. Open-Circuit Voltage	Dimensions	Net Weight
				380 V	400 V	440 V					
400 VAC, 3-phase, 50/60 Hz	Stick	5 – 200 A	200 A at 18 V, 40% duty cycle	8.7	8.3	7.5	5.73	4.2	85 VDC (12 VDC)*	H: 345 mm (13.6 in.) W: 190 mm (7.5 in.) D: 460 mm (18.1 in.)	17 kg (37.5 lb.)
	TIG	5 – 200 A	200 A at 28 V, 40% duty cycle	13.5	12.8	11.5	8.86	6.51			

\*VRD sense voltage for Stick and Lift-Arc™ TIG. All CE models conform to the applicable parts of the IEC 60974 series of standards.

**IP23 rating** — This equipment is designed for outdoor use. It may be stored, but is not intended to be used outside during precipitation unless sheltered. Operating temperature range is -10 to 40°C (14 to 104°F). Storage temperature range is -30 to 65°C (-22 to 149°F). Portions of the preceding text are contained in EN 60974-1: "Welding power sources for arc welding equipment."



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# Genuine Miller® Accessories

## Remote Controls



### RCC-14 Remote Contactor and Current Control #151 086

Side-to-side rotary-motion fingertip current/contacter control fastens to TIG torch using two Velcro® straps.



### RCCS-14 Remote Contactor and Current Control #043 688

Up-and-down rotary-motion fingertip current/contacter control fastens to TIG torch using two Velcro® straps.



### SHRC-14 Remote Control

#058 040 019 5 m (16.4 ft.)

#058 040 020 10 m (32.8 ft.)

#058 040 021 20 m (65.6 ft.)

Single-hand control for current only.



### RFCS-14 HD Foot Control #194 744

Heavy-duty foot pedal current/contacter control with increased stability and durability.

Cord can exit front, back or either side.



### RHC-14 Hand Control #242 211 020

Miniature hand control for remote current and contactor control.



### RMS-14 On/Off Control #187 208

Momentary-contact switch for contactor control. Rubber-covered pushbutton dome switch ideal for repetitive on-off applications.

## Ordering Information

Power Source	Stock No.	Description	Qty.	Price
STi 203	#059 016 015	400 VAC, 3-phase, 50/60 Hz		
<b>Accessories</b>				
Welding Cable Kit, Stick	#058 066 039	200 A, 35 mm <sup>2</sup> , 3 m (9.8 ft.)		
	#058 066 040	200 A, 35 mm <sup>2</sup> , 5 m (16.4 ft.)		
	#058 066 041	300 A, 50 mm <sup>2</sup> , 5 m (16.4 ft.)		
	#058 066 042	300 A, 50 mm <sup>2</sup> , 10 m (32.8 ft.)		
	#058 066 043	300 A, 50 mm <sup>2</sup> , 15 m (49.2 ft.)		
	#058 066 044	300 A, 50 mm <sup>2</sup> , 20 m (65.6 ft.)		
TIG Torch				
Tungsten				
Helmet				
Gas Hose				
<b>Remote Controls</b>				
RCC-14	#151 086	8 m (26.5 ft.), remote current/contacter side-to-side rotary control		
RCCS-14	#043 688	8 m (26.5 ft.), remote current/contacter up-and-down rotary control		
SRHC-14	#058 040 019	5 m (16.4 ft.), single-hand remote control for current only		
	#058 040 020	10 m (32.8 ft.), single-hand remote control for current only		
	#058 040 021	20 m (65.6 ft.), single-hand remote control for current only		
RFCS-14 HD	#194 744	6 m (20 ft.), remote current/contacter foot pedal control		
RHC-14	#242 211 020	6 m (20 ft.), remote current/contacter hand control		
RMS-14	#187 208	8 m (26.5 ft.), momentary-contact switch for contactor control		

Date:

Total Quoted Price:

Distributed by:

