

# Si 160/160 PFC

**Stick Welding  
Power Source** 

## Quick Specs



### Light Industrial Applications

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

### Process

Stick (SMAW)

### Input Power

230 V, 1-phase, 50/60 Hz

**Amperage Range** Si 160: 15–150 A

Si 160 PFC: 4–150 A

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

**Max. Open-Circuit Voltage** Si 160: 85 V  
Si 160 PFC: 70 V

**Net Weight** Si 160: 5.2 kg (11.5 lb.)  
Si 160 PFC: 6.2 kg (13.7 lb.)



Si 160 model  
with WeldReady  
package shown.

### WeldReady packages include:

- Power source
- 3 m (10 ft.) power cord
- 3 m (10 ft.) electrode cable with holder and 25 mm Dinse-style connector
- 3 m (10 ft.) work cable with clamp and 25 mm Dinse-style connector
- Shoulder strap

**Portable** in the shop or at the jobsite — at less than 6.2 kg (13.7 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.

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

**Preset 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.

**PFC (power factor control)** allows taking full advantage of the available input amps resulting in the required welding current without power leakage (Si 160 PFC model).



Warranted for three years, parts and labour.



### ITW Welding – BV

Edisonstraat 10  
P.O. Box 1551  
NL-3261 LD Oud-Beijerland,  
Netherlands  
TEL: +31 (0) 186 641 444  
FAX: +31 (0) 186 640 880

### International Headquarters Miller Electric Mfg. LLC

An Illinois Tool Works Company  
1635 W. Spencer Street  
Appleton, WI 54914 USA  
TEL: +1 920 735 4554  
FAX: +1 920 735 4125  
MillerWelds.com

# Specifications (Subject to change without notice.)



Model/ Input Power	Welding Mode	Welding Amperage Range	Rated Welding Output	IP Rating	Amps Input at Rated Output, 50/60 Hz	KVA	KW	Max. Open- Circuit Voltage	Dimensions	Net Weight
Si 160, 230 V, 1-phase, 50/60 Hz	Stick	15–150 A	100 A at 24.0 VDC, 100% duty cycle	IP23	20	4.5	2.8	85 VDC (20 VDC*)	H: 245 mm (9.65 in.) W: 145 mm (5.75 in.) D: 380 mm (15 in.)	5.2 kg (11.5 lb.)
			150 A at 26.0 VDC, 25% duty cycle		30	7.0	4.8			
	Scratch start 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			
Si 160 PFC, 230 V, 1-phase, 50/60 Hz	Stick	4–150 A	100 A at 24.0 VDC, 100% duty cycle	IP23	13.7	3.1	2.8	70 VDC (20 VDC*)		6.2 kg (13.7 lb.)
			150 A at 26.0 VDC, 25% duty cycle		22.1	5.0	4.8			
	Scratch start TIG	4–160 A	100 A at 14.0 VDC, 100% duty cycle		13	3.0	2.0			
			160 A at 16.4 VDC, 20% duty cycle		22	5.1	3.5			

\*VRD voltage.

All CE models conform to the applicable parts of the IEC 60974 series of standards.

## Ordering Information

Power Source	Stock No.	Description	Qty.	Price
Si 160	059016011	Stick/scratch start TIG inverter. 230 V, single-phase, 50/60 Hz. Includes shoulder strap and 3 m (10 ft.) power cord		
Si 160 WeldReady Package	029083126	Includes power source, power cord, electrode cable with holder, work cable with clamp and shoulder strap		
Si 160 PFC	059016016	Power factor control model. Stick/scratch start TIG inverter. 230 V, single-phase, 50/60 Hz. Includes shoulder strap and 3 m (10 ft.) power cord		
Si 160 PFC WeldReady Package	029083112	Includes power source, power cord, electrode cable with holder, work cable with clamp and shoulder strap		
<b>Accessories</b>				
Stick Welding Kit	058066079	3 m (10 ft.) electrode holder with cable and 3 m (10 ft.) work clamp with cable		

Date: Total Quoted Price:

Miller recommends consumables

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