

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.



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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		
Accessories				
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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