

# SRH-503

Issued June 2002 • Index No. DC/7.2

Stick Welding  
Power Source 

## Quick Specs

### Heavy Industrial Applications

Light Fabrication  
Heavy Fabrication  
Manufacturing  
Pipe  
Shipbuilding

### Processes

Stick (SMAW)  
Air Carbon Arc (CAC-A)  
Cutting and Gouging  
— 9.5 mm (3/8 in) carbons

**Input Power** 3-Phase Power

**Rated Output** 500 A at 40 VDC, 60% Duty Cycle

**Weight** 186 kg (410 lb)

## The Power of Blue.®

**Superior arc welding performance** provides flexibility to run a large variety of electrodes.

**Infinite amperage control** allows precise weld output adjustment; you always get the exact heat you need to produce a better weld.

**Single amperage range** gives operator a bigger window of operation and makes it easier to fine tune.



**New!**

**Electrode chart** helps operator select type of electrode and polarity required.

**Standard running gear** comes installed on power source and provides mobility right out of the box.

## Specifications (Subject to change without notice.)



Rated Output	Welding Amperage Range	Max. Open-Circuit Voltage	Amps Input at Rated Output, Three-Phase, 60 Hz				Dimensions	Net Weight
			220/230 V	440/460 V	KVA	KW		
500 Amps at 40 VDC, 60% Duty Cycle	50–525	77 VDC	98 4.5*	49 2.2*	38.9 1.8*	26 .7*	H: 895 mm (35-1/4 in) W: 711 mm (28 in) D: 851 mm (33-1/2 in)	186 kg (410 lb)

\*While idling.

**TRUE BLUE**  
3YR. WARRANTY

Power source is warranted for 3 years, parts and labor.  
Original main power rectified parts are warranted for 5 years.

MADE IN **USA**  
APPLETON, WI



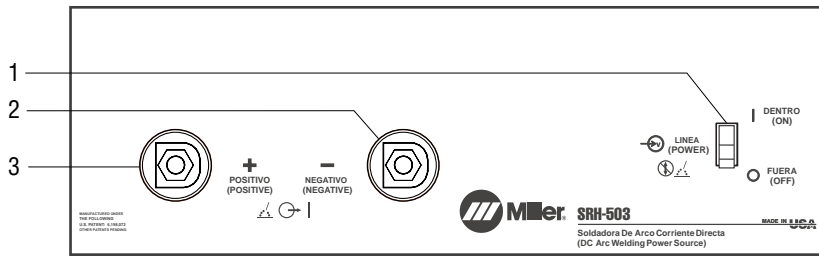
**Miller Electric Mfg. Co.**  
An Illinois Tool Works Company  
1635 West Spencer Street  
Appleton, WI 54914 USA

**International Headquarters**  
Phone: 920-735-4505  
USA FAX: 920-735-4134  
Canadian FAX: 920-735-4169  
International FAX: 920-735-4125

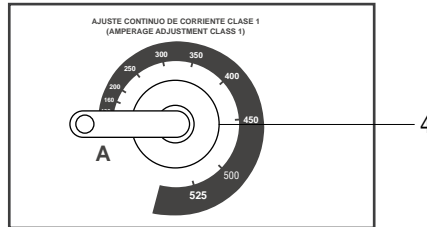
**Web Site**  
www.MillerWelds.com



## Control Panel

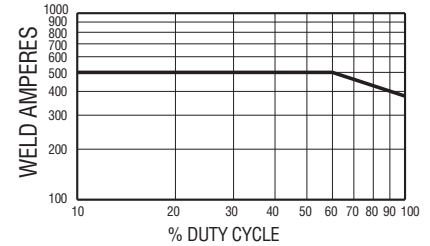


1. Línea/Power Switch
2. Electrodo Negativo/Electrode Negative
3. Electrodo Positivo/Electrode Positive
4. Ajuste Continuo de Corriente/  
Amperage Adjustment

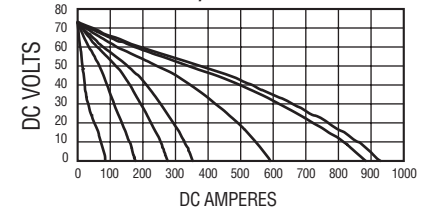


## Performance Data

DUTY CYCLE CHART



VOLT/AMP CURVE



## Miller Accessories

### Stick Hook-Up Accessories #173 851

Includes 15.2 m (50 ft) No. 2/0 electrode cable with electrode holder and lug, and 15.2 m (50 ft) No. 2/0 work cable with work clamp.

### No. 4WA Welding Accessories #040 045

Includes 10.7 m (35 ft) No. 2/0 electrode cable with electrode holder and lug, 9 m (30 ft) No. 2/0 work cable with lug, welding helmet and wire brush.



### S-32S Wire Feeder #088 816

Portable wire feeder for 0.6–2.0 mm (.023–5/64 in) hard and flux cored wire. See Lit. Index No. M/6.21.

### S-32SL Wire Feeder #109 294

Portable wire feeder for 2.0–2.8 mm (5/64–7/64 in) hard and flux cored wire. See Lit. Index No. M/6.21



### Super S-32P Wire Feeder #159 928

Compact, portable wire feeder for 0.6–2.0 mm (.023–5/64 in) hard and flux cored wire. See Lit. Index No. M/6.26.



### SuitCase 8VS™ Wire Feeder #194 890

Lightweight, portable, voltage-sensing wire feeder for .045/.052 flux core and .035/.045 hard wire. Includes secondary contactor and gas valve. Requires drive roll kit. See Lit. Index No. M/6.4.

## Ordering Information

Power Source and Options	Stock No.	Description	Qty.	Price
SRH-503	#907 098	220-240/440-460 V without Running Gear		
	#907 025	220-240/440-460 V with Running Gear		
<b>Accessories</b>				
Stick Hook-Up Accessories	#173 851			
No. 4WA Welding Accessories	#040 045			
S-32S Wire Feeder	#088 816	See Lit. Index No. M/6.21		
S-32SL Wire Feeder	#109 294	See Lit. Index No. M/6.21		
Super S-32P Wire Feeder	#159 928	See Lit. Index No. M/6.3		
Suitcase 8VS™	#194 890	See Lit. Index No. M/6.4		

Date: \_\_\_\_\_ Total Quoted Price: \_\_\_\_\_

Distributed by:

