

# CP-302

Issued May 2007 • Index No. DC/13

**MIG Welding  
Power Source** 

## Quick Specs

### Industrial/Heavy Industrial Applications

Light Fabrication  
Automotive  
Furniture  
Agricultural  
Truck Body/Metal Fabrication  
Small Equipment Manufacturing

### Processes

MIG (GMAW)  
Flux Cored (FCAW)

**Input Power** 3-Phase Power

**Rated Output** 300 A at 32 V, 100% Duty Cycle  
390 A at 32 V, 60% Duty Cycle

**Max. Open-Circuit Voltage** 14-44

**Weight** 332 lb (151 kg)

## The Power of Blue.®

CP-302 MIGRunner™ comes complete in one box. See page 4 for details.

**Adjustable weld stabilizer** (high-low inductance) provides the flexibility to produce the optimal arc characteristics. Use the high stabilizer setting for stainless steel and low setting for mild steel and aluminum.

**Solid-state weld contactor** provides longevity to match the ultra-durable and reliable reputation of the CP series.

**115 VAC duplex receptacle** provides 15 amps of auxiliary power.

**14-pin receptacle** provides quick, direct connection to wire feeders and accessories.

**Presetttable welding voltage** with voltmeter allows you to easily set weld output before welding.

**Large analog volt and ammeters** for easy viewing.

**Power efficient** which gives exceptional value and return on your investment.

**Simple control panel** with just one control adjustment.

**Lower panel cover** protects output connections from harsh welding environments.



**TRUE BLUE**  
3YR. WARRANTY

Welder 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  
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Appleton, WI 54914 USA

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**Web Site**  
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# Specifications (Subject to change without notice.)



Rated Output	Open-Circuit Voltage	Amps Input at Rated Output, Three-Phase, 60 Hz						Dimensions	Net Weight
		200 V	230 V	460 V	575 V	KVA	KW		
300 A at 32 V, 100% Duty Cycle	14-44	38	33	16.5	13.0	13.1	12.3	H: 30 in (762 mm) including lift eye W: 23 in (585 mm) D: 30-1/2 in (775 mm) including strain relief	332 lb (151 kg)
390 A at 32 V, 60% Duty Cycle		1.1*	.95*	.48*	.38*	.38*	.32*		

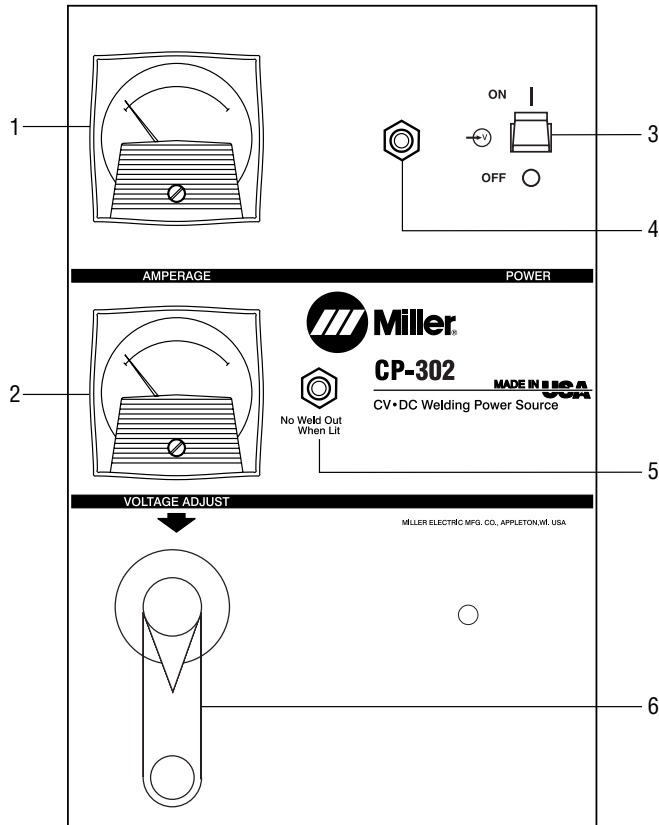
Conforms with NEMA EW 1, "Electric Arc Welding Power Sources", Class I (100).

\*While idling.

Certified to both the Canadian and U.S. Standards for welding equipment.

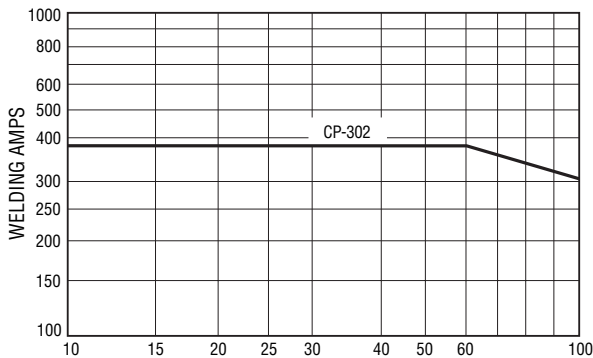
## Control Panel

1. Ammeter
2. Voltmeter
3. Power Switch
4. Pilot Light
5. Preset Indicator Light
6. Voltage Control

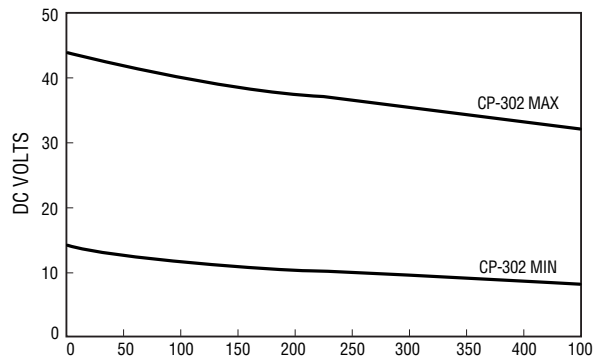


## Performance Data

DUTY CYCLE CHART



VOLT/AMP CURVE



## Genuine Miller Accessories



### Industrial MIG Kit #195 197

Includes 15 ft (4.6 m), 2/0 power cable and work lead with clamp, regulator/flow meter with 15 ft (4.6 m) gas hose, 15 ft (4.6 m) MIG gun and consumable kit.



### Standard Running Gear #042 886

The large 10 in (254 mm) rear wheels and 5 in (127 mm) front casters on this running gear provide excellent mobility on the shop floor, making it easier to move the power source. Very easy to install. Handles double as weld cable holder.

### Standard Cylinder Rack #042 887

Holds two cylinders. Only installs on Standard Running Gear.

## Wire Feeders



### 22A #193 066

Lightweight, 24 VAC constant-speed semi-automatic wire feeder, best suited for small diameter wires. Accommodates up to a 60 lb (27.2 kg) spool of welding wire when using optional wire reel assembly. Comes with FREE Bernard® Q™-Gun! See Lit. Index No. M/11.0.



### 70 Series

#### Single Wire Model

**S-74S #195 057**

#### Dual Wire Model

**D-74S #195 060**

Heavy-duty, industrial, constant-speed 24 VAC semiautomatic wire feeders in single and dual models, with available digital meters. Ideal for high-duty-cycle MIG welding (GMAW) and Flux Cored welding (FCAW). Accommodates a wide variety of wire sizes and types. Comes with FREE Bernard® Q™-Gun! Dual wire feeder model includes two FREE Q-Guns. See Lit. Index No. M/3.0.

### Extension Cables for 14-Pin Plugs to 14-Pin Sockets

**#122 973** 25 ft (7.6 m)

**#122 974** 50 ft (15.2 m)

**#122 975** 75 ft (22.8 m)



### Spoolmatic® 30A #130 831

A 1-lb, air-cooled spool gun that extends the weld process range by adding a handy portable system for small wire MIG. Rated 200 A at 100% duty cycle. Includes 30 ft (9.1 m) cable assembly. (WC-24 #137 549 for 14-pin.)



### WC-24 Weld Control #137 549

Packaged in a compact, lightweight, non-metallic enclosure, the WC-24 easily mounts directly on the power source.

It's designed for use with Miller CV power sources supplying 24 VAC and 14-pin receptacles. The control includes a board-mounted potentiometer which can alter the drive motor acceleration rate to optimize arc starting performance.

# CP-302 MIGRunner Components

## CP-302 MIGRunner™

#907 050 200/230/460 V

#907 073 575 V

### Comes Complete With:

- CP-302 power source
- 22A wire feeder
- Bernard® Q™-Gun 15 ft (4.6 m)
- .035/.045 in contact tips
- .035/.045 in reversible drive rolls
- Regulator/flow gauge with gas hose
- Work cable and power cord
- Factory-installed running gear/cylinder rack



## Ordering Information

Equipment and Options	Stock No.	Description	Qty.	Price
<b>CP-302</b>	<b>#903 786</b>	200/230/460 V, 60 Hz		
	<b>#903 521</b>	575 V, 60 Hz		
<b>CP-302 MIGRunner</b>	<b>#907 050</b>	200/230/460 V, 60 Hz. See above for package components		
<b>Wire Feeders</b>				
22A	<b>#193 066</b>	See Lit. Index No. M/11.0		
70 Series	<b>#195 057</b>	S-74S. See Lit. Index No. M/3.0		
	<b>#195 060</b>	D-74S. See Lit. Index No. M/3.0		
Extension Cables for 14-Pin Plugs to 14-Pin Sockets	<b>#122 973</b>	25 ft (7.6 m)		
	<b>#122 974</b>	50 ft (15.2 m)		
	<b>#122 975</b>	75 ft (22.8 m)		
Spoolmatic® 30A	<b>#130 831</b>	1-lb air-cooled spool gun, 200 A at 100% duty cycle, includes 30 ft (9.1 m) cable assembly		
WC-24 Weld Control	<b>#137 549</b>			
<b>Guns</b>				
Bernard® Gun				
Consumables				
<b>Accessories</b>				
Industrial MIG Kit	<b>#195 197</b>	Includes 15 ft (4.6 m), 2/0 power cable and work lead with clamp, regulator/flow meter with 15 ft (4.6 m) gas hose, 15 ft (4.6 m) MIG gun and consumable kit		
Standard Running Gear	<b>#042 886</b>			
Standard Cylinder Rack	<b>#042 887</b>			

Date:

Total Quoted Price:



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