CP-302

**Quick Specs**

**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 VDC

**Net Weight**
- 332 lb. (151 kg)

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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.

**Power efficient** for exceptional value and return on your investment.

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

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Build your own system at MillerWelds.com/equiptoweld or see the stationary and MIGRunner packages (page 3).

Large analog volt and ammeters for easy viewing.

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

Simple control panel with just one control adjustment.

Lower panel cover protects output connections from harsh welding environments.

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

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Welder is warranted for three years, parts and labor. Original main power rectifier parts are warranted for five years.

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**Miller Electric Mfg. Co.**
An ITW Welding Company
1635 West Spencer Street
P.O. Box 1079
Appleton, WI 54912-1079 USA

**Equipment Sales US and Canada**
Phone: 866-931-9730
FAX: 800-637-2315
International Phone: 920-735-4554
International FAX: 920-735-4125

**MillerWelds.com**
### Specifications

(Subject to change without notice.)

<table>
<thead>
<tr>
<th>Voltage Range</th>
<th>Rated Output</th>
<th>Open-Circuit Voltage</th>
<th>Dimensions</th>
<th>Net Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>14–44 V</td>
<td>300 A at 32 V, 100% duty cycle</td>
<td>14–44 VDC</td>
<td>H: 30 in. (762 mm) (including lift eye) W: 23 in. (585 mm) D: 30.5 in. (775 mm) (including strain relief)</td>
<td>332 lb. (151 kg)</td>
</tr>
<tr>
<td></td>
<td>390 A at 32 V, 60% duty cycle</td>
<td></td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>200 V</th>
<th>230 V</th>
<th>460 V</th>
<th>575 V</th>
<th>KVA</th>
<th>KW</th>
</tr>
</thead>
<tbody>
<tr>
<td>38</td>
<td>33</td>
<td>16.5</td>
<td>13.0</td>
<td>13.1</td>
<td>12.3</td>
<td></td>
</tr>
<tr>
<td>1.1*</td>
<td>.95*</td>
<td>.48*</td>
<td>.38*</td>
<td>.38*</td>
<td>.32*</td>
<td></td>
</tr>
</tbody>
</table>

*While idling.

Certified by Canadian Standards Association to both the Canadian and U.S. Standards.

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

### Control Panel

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

![Control Panel Diagram]

### Performance Data

#### Duty Cycle Chart

![Duty Cycle Chart]

#### Volt/Amp Chart

![Volt/Amp Chart]
Packages

Option #1: CP-302 Power Source Only
Purchase components separately.
CP-302  903786

Option #2: CP-302 Stationary Package
Stationary display without running gear or cylinder rack.
CP-302 Stationary Package  951231
Comes complete with:
- CP-302 power source
- 22A wire feeder
- Bernard™ BTB Gun 300 A
- Industrial MIG 4/0 kit consisting of flowmeter regulator with 10 ft. (3 m) gas hose, 10 ft. (3 m) 4/0 feeder weld cable with lugs, and 15 ft. (4.6 m) work cable with 600-amp C-clamp

Option #3: CP-302 MIGRunner™ Package
MIGRunner system with factory-installed standard running gear and cylinder rack.
CP-302 MIGRunner Package  951230
Comes complete with:
- CP-302 power source
- 22A wire feeder
- Bernard™ BTB Gun 300 A
- Industrial MIG 4/0 kit consisting of flowmeter regulator with 10 ft. (3 m) gas hose, 10 ft. (3 m) 4/0 feeder weld cable with lugs, and 15 ft. (4.6 m) work cable with 600-amp C-clamp
- Factory-installed standard running gear and cylinder rack

Genuine Miller® Accessories

Industrial MIG 4/0 Kit  300390
Includes flowmeter regulator with 10-foot (3 m) gas hose, 10-foot (3 m) 4/0 feeder weld cable with lugs, and 15-foot (4.6 m) work cable with 600-amp C-clamp.

WC-24 Weld Control  137549
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.

Standard Running Gear  042886
The large 10-inch (254 mm) rear wheels and 5-inch (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  042887
Holds two cylinders. Only installs on standard running gear 042886.
### Wire Feeder Options

#### Bench-Style Feeders

<table>
<thead>
<tr>
<th>Description</th>
<th>Stock No.</th>
<th>Literature</th>
</tr>
</thead>
<tbody>
<tr>
<td>22A</td>
<td>951190</td>
<td>M/11.0</td>
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<tr>
<td>S-74S</td>
<td>951203</td>
<td>M/3.0</td>
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#### Bench-Style Dual Feeders

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<tr>
<th>Description</th>
<th>Literature</th>
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<tr>
<td>D-74S</td>
<td>M/3.0</td>
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#### Boom-Style Feeders

<table>
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<tr>
<th>Description</th>
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<tr>
<td>SS-74S12</td>
<td>M/13.11</td>
</tr>
<tr>
<td>SS-74S16</td>
<td>M/13.11</td>
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#### Boom-Style Dual Feeders

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<td>M/13.11</td>
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<tr>
<td>DS-74S16</td>
<td>M/13.11</td>
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#### Spool Guns

<table>
<thead>
<tr>
<th>Description</th>
<th>Literature</th>
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</thead>
<tbody>
<tr>
<td>Spoolmatic® 15A</td>
<td>M/1.73</td>
</tr>
<tr>
<td>Spoolmatic® 30A</td>
<td>M/1.73</td>
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### Ordering Information

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<thead>
<tr>
<th>Equipment and Options</th>
<th>Stock No.</th>
<th>Description</th>
<th>Qty.</th>
<th>Price</th>
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<tbody>
<tr>
<td>CP-302 Power Source Only</td>
<td>903786</td>
<td>200/230/460 V, 60 Hz</td>
<td></td>
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<tr>
<td>CP-302 Stationary Package</td>
<td>951231</td>
<td>200/230/460 V, 60 Hz</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CP-302 MIGRunner® Package</td>
<td>951230</td>
<td>200/230/460 V, 60 Hz</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Wire Feeders**

- 22A: 951190 (See literature M/11.0)
- 70 Series:
  - 951196: S-74S (See literature M/3.0)
  - 951203: D-74S (See literature M/3.0)

**Swingarc™ Boom Feeders**: See literature M/13.11

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

<table>
<thead>
<tr>
<th>Description</th>
<th>Stock No.</th>
<th>Length (m)</th>
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<tbody>
<tr>
<td>25 ft. (7.6 m)</td>
<td>242208025</td>
<td></td>
</tr>
<tr>
<td>50 ft. (15.2 m)</td>
<td>242208050</td>
<td></td>
</tr>
<tr>
<td>80 ft. (24.4 m)</td>
<td>242208080</td>
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</tbody>
</table>

*For additional lengths visit MillerWelds.com/equipoweld.*

- Spoolmatic® 15A: 195156 (See literature M/1.73)
- Spoolmatic® 30A: 130831 (See literature M/1.73)
- WC-24 Weld Control: 137549

**Guns**

- Bernard™ Gun/Consumables

**Accessories**

- Industrial MIG 4/0 Kit: 300390 (Includes flowmeter regulator with 10 ft. (3 m) gas hose, 10 ft. (3 m) 4/0 feeder weld cable with lugs, and 15 ft. (4.6 m) work cable with 600-amp C-clamp)
- Standard Running Gear: 042886
- Standard Cylinder Rack: 042887

**Date:**

**Total Quoted Price:**