## Quick Specs

<table>
<thead>
<tr>
<th>Process</th>
<th>Rated Output</th>
<th>Amperage Range</th>
<th>Max. Open-Circuit Voltage</th>
<th>Net Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>TIG (GTAW)</td>
<td>150 A at 16 V, 20% duty cycle</td>
<td>10 – 125 A (115 V)</td>
<td>80</td>
<td>50 lb. (23 kg)</td>
</tr>
<tr>
<td>Input Power</td>
<td></td>
<td>10 – 180 A (230 V)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>115 and 230 V, 1-phase</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Personal User Applications**
- Chassis/frame fabrication
- Aluminum oil pans
- Stainless exhaust
- Weld repair on home equipment
- Metal art
- Vocational training

**The Personal User’s TIG Machine.**

- Easy-to-understand operator interface.
  1. Power-up
  2. Select material type
  3. Set amperage based on material thickness — then weld! It’s as easy as 1, 2, 3.

**Inverter-based AC/DC power source** provides a more consistent welding arc while using less power.

**Fan-On-Demand™ power source cooling system** operates only when needed, reducing noise, energy use and the amount of contaminants pulled through the machine.

**High-frequency arc starting** provides non-contact arc initiation that reduces tungsten and material contamination.

**Auto-postflow** adjusts the length of postflow time based on the amperage setting, shielding your tungsten and eliminating the need to set the postflow time.

- **Portable.** Whether it’s in the shop, garage or at the race track, at 50 pounds they can be taken anywhere.
- **Advanced squarewave AC** provides a fast freezing weld puddle and deeper penetration.

**Comes complete with:**
- Power source with primary cord and MVP™ plugs for 120 V and 240 V
- 12.5 ft. (3.8 m) Weldcraft® A-150 (WP-17) TIG torch with backcap, nozzle, 3/32 in. (2.4 mm) collet and collet body, and 2% ceriated tungsten
- RFCS-RJ45 remote foot control
- 12 ft. (3.7 m) work cable with clamp
- Flow gauge regulator with hose

*Just supply argon gas, filler rod, gloves and helmet and you’re ready to weld!*

**Power source is warranted for three years, parts and labor.**

Original main power rectified parts are warranted for five years.

---

**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>Input Power</th>
<th>Welding Amp Range</th>
<th>Rated Output</th>
<th>Amps Input at Rated Output</th>
<th>KVA</th>
<th>KW</th>
<th>Max. Open-Circuit Voltage</th>
<th>Dimensions</th>
<th>Net Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>115 V</td>
<td>10 – 125 A</td>
<td>60 A at 12.4 V, 100% duty cycle</td>
<td>11.3 (.88)*</td>
<td>1.3 (.1)*</td>
<td>1.2 (.03)*</td>
<td>80 VDC</td>
<td>H: 17 in. (433 mm) W: 9.875 in. (251 mm) D: 23.875 in. (608 mm)</td>
<td>50 lb. (23 kg)</td>
</tr>
<tr>
<td>125 A at 15 V, 35% duty cycle</td>
<td>26.5 (.88)*</td>
<td>3.1 (.1)*</td>
<td>3.0 (.03)*</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>120 V</td>
<td>10 – 180 A</td>
<td>60 A at 12.4 V, 100% duty cycle</td>
<td>5.6 (.44)*</td>
<td>1.3 (.1)*</td>
<td>1.2 (.03)*</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>150 A at 16 V, 20% duty cycle</td>
<td>16 (.44)*</td>
<td>3.7 (.1)*</td>
<td>3.6 (.03)*</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>180 A at 17.2 V, 10% duty cycle</td>
<td>20.5 (.44)*</td>
<td>4.7 (.1)*</td>
<td>4.6 (.03)*</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

*While idling.

Control Panel

1. Digital Display
2. Output Indicator LED
3. Power Switch
4. Amperage Control
5. Material Selection Button
6. Material Thickness/Amperage Chart

Performance Data

Duty Cycle Chart
Genuine Miller® Accessories

**MVP™ Plugs**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Included with Diversion?</th>
</tr>
</thead>
<tbody>
<tr>
<td>219258</td>
<td>For power cable 6-50P (240 V/50 A).</td>
<td>Diversion.</td>
</tr>
<tr>
<td>219261</td>
<td>For power cable 5-15P (120 V/15 A).</td>
<td>Diversion.</td>
</tr>
<tr>
<td>219259</td>
<td>For power cable 5-20P (120 V/20 A). Optional, not included with Diversion.</td>
<td></td>
</tr>
</tbody>
</table>

**Remote Controls**

- **RCCS-RJ45 Remote Fingertip Control 301146**
  North/south rotary-motion fingertip current and contactor control attaches to TIG torch using two hook-and-loop fasteners. Great for applications that require a finer amperage control. Includes 13.25-foot (4 m) cord with plug.

- **RFCS-RJ45 Remote Foot Control 300432**
  Foot pedal current and contactor control. Includes 14-foot (4.3 m) cord with plug. Included with Diversion.

- **RJ45 to 14-Pin Adapter Cord 300688**
  12-inch (305 mm) adapter cord allows Miller® 14-pin heavy-duty wired foot control (194744) or 14-pin wireless foot control (300429) to be used with the Diversion 180.

**TIG Torch Accessory Kit**

- **AK2C**
  For use with A-150 (WP-17) TIG torch. Includes one short back cap, one of each size (#4, #5, #6) alumina nozzle, and one of each size (.040, 1/16, 3/32 in.) of the following: collet, collet body, and 7-inch 2% ceriated tungsten electrode.

- **AK-150MFC**
  Allows welding operators to customize their standard A-150 (WP-17) TIG torch for their specific application. Kit converts into 28 different torch styles while using the existing cable. Features collets, collet bodies, nozzles, torch heads, handle and more.

**Weldcraft™**

- **A-125 Torch Body WP-9**
  125-amp air-cooled torch body. 13N Series consumables are sold separately.

- **A-150 Torch Body WP-17**
  150-amp air-cooled torch body (included with Diversion 180). 10N Series consumables are sold separately.

**Protective Cover 300579**

**Weldcraft™ A-125 Torch Body WP-9**

**Weldcraft™ A-150 Torch Body WP-17**

**Running Gear/Cylinder Rack 301239**

Heavy-duty construction with 8-inch rubber rear wheels. Convenient front handles, cable holders and plastic consumable box. For gas cylinders no greater than 7 inches (178 mm) in diameter or 65 pounds (29.5 kg) in weight.

**TIG Gloves**

- **263346 Small (Women’s)**
- **263347 Medium**
- **263348 Large**
- **263349 X-Large**
  Completely unlined, goat grain leather with triple-padded palm.

**TIG/Multitask Gloves**

- **263352 Small**
- **263353 Medium**
- **263354 Large**
- **263355 X-Large**
  Goat grain leather with dual-padded palm and wool back.
## Ordering Information

<table>
<thead>
<tr>
<th>Power Source</th>
<th>Stock No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diversion™ 180</td>
<td>907627</td>
<td>Single-phase, 120 and 240 V, 50/60 Hz</td>
</tr>
<tr>
<td><strong>MVP® Plugs</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MVP 240 V 6-50P</td>
<td>219258</td>
<td>Used to connect power source to 6-50R receptacle (included with machine)</td>
</tr>
<tr>
<td>MVP 120 V 5-15P</td>
<td>219261</td>
<td>Used to connect power source to 5-15R receptacle (included with machine)</td>
</tr>
<tr>
<td>MVP 120 V 5-20P</td>
<td>219259</td>
<td>Used to connect power source to 5-20R receptacle (optional, not included with machine)</td>
</tr>
<tr>
<td><strong>Remote Controls</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RCCS-RJ45</td>
<td>301146</td>
<td>Remote fingertip control (optional, not included with machine)</td>
</tr>
<tr>
<td>RFCS-RJ45</td>
<td>300432</td>
<td>Remote foot control (included with machine)</td>
</tr>
<tr>
<td>RJ45 to 14-Pin Adapter Cord</td>
<td>300688</td>
<td>Used to connect 14-pin heavy-duty wired foot control (194744) or 14-pin wireless foot control (300429) to Diversion 180</td>
</tr>
<tr>
<td><strong>Accessories</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Protective Cover</td>
<td>300579</td>
<td></td>
</tr>
<tr>
<td>Running Gear/Cylinder Rack</td>
<td>301239</td>
<td></td>
</tr>
<tr>
<td>TIG Welding Gloves</td>
<td></td>
<td>See page 3</td>
</tr>
<tr>
<td>Weldcraft® A-125 (WP-9) Torch Body</td>
<td>WP-9</td>
<td></td>
</tr>
<tr>
<td>Weldcraft® A-150 (WP-17) Torch Body</td>
<td>WP-17</td>
<td></td>
</tr>
<tr>
<td>TIG Torch Accessory Kits</td>
<td>AK2C</td>
<td>For use with Weldcraft® A-150 (WP-17) Torch</td>
</tr>
<tr>
<td></td>
<td>AK-150MFC</td>
<td>For use with Weldcraft® A-150 (WP-17) Torch</td>
</tr>
</tbody>
</table>

**Date:**

**Total Quoted Price:**