Quick Specs

Light Industrial Applications
- Process Pipe
- Dairy Industry
- Food/Beverage Industry
- Restaurant/Kitchen Repair
- Experimental Aircraft
- Shipboard Installation/Repair
- Maintenance Repair

Processes
- Lift-Arc™ TIG (GTAW)
- Stick (SMAW)

Amperage Range
- 120 VAC: 5 – 150 A (DC TIG)
- 20 – 100 A (DC Stick)
- 240 VAC: 5 – 150 A (DC TIG)
- 20 – 150 A (DC Stick)

Max. Open-Circuit Voltage
- 90

Net Weight
- 13.7 lb. (6.2 kg)

Single amperage range allows operator to accurately set amperage on both 120- or 240-volt primary power.

Inverter-based, DC power source has a simple-to-use operator interface providing only the necessary controls in a compact machine.

Hot Start™ adaptive control provides positive arc starts without sticking.

Best-in-class Stick arc characteristics for those demanding jobs.

Low OCV Stick is a simple design that reduces the open-circuit voltage to 12–16 volts when the welding power source is not in use. This circuit design is now built into the Maxstar 150 STL eliminating the need for add-on voltage reducers.

Power Factor Corrected (PFC) for optimum performance especially on 120 volts — reduces nuisance breaker tripping.

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

TIG/Stick Package (907 135 017) comes complete with:
- Maxstar 150 STL power source
- 10-ft. (3 m) MVP™ power cord
- MVP™ plugs 5-15P (120 V, 15 A) and 6-50P (240 V, 50 A)
- X-CASE™ provides protection in transport and storage
- Remote fingertip control
- Weldcraft® A-150 (WP-17) 12.5-ft (3.8 m) TIG torch with connector
- Stick electrode holder with 13-ft. (4 m) cable and 25-mm Dinse-style connector
- Work clamp with 10-ft. (3 m) cable and 25-mm Dinse-style connector
- Flow gauge regulator with gas hose
- AK2C accessory kit
- Shoulder strap

Power source is warranted for 3 years, parts and labor. Original main power rectified parts are warranted for 5 years.
Specifications (Subject to change without notice.)

<table>
<thead>
<tr>
<th>Welding Mode</th>
<th>Input Power</th>
<th>Welding Amperage Range</th>
<th>Rated Welding Output</th>
<th>Amps Input at Rated Output, 50/60 Hz</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>TIG</td>
<td>115 VAC, 15 A</td>
<td>5–100 A</td>
<td>100 A at 14.0 VDC, 100% duty cycle</td>
<td>18.4</td>
<td>2.1</td>
<td>2.1</td>
<td>90 VDC (12–16 VDC*)</td>
<td>H: 9 in. (229 mm)</td>
<td>W: 5.5 in. (140 mm)</td>
</tr>
<tr>
<td></td>
<td>115 VAC, 20 A</td>
<td>5–150 A</td>
<td>100 A at 14.0 VDC, 100% duty cycle</td>
<td>18.4</td>
<td>2.1</td>
<td>2.1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>230 VAC</td>
<td>5–150 A</td>
<td>100 A at 14.0 VDC, 100% duty cycle</td>
<td>28.0</td>
<td>3.4</td>
<td>3.1</td>
<td></td>
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<tr>
<td>Stick</td>
<td>115 VAC, 15 A</td>
<td>20–70 A</td>
<td>70 A at 22.8 VDC, 100% duty cycle</td>
<td>17.4</td>
<td>2.0</td>
<td>1.9</td>
<td></td>
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<tr>
<td></td>
<td>115 VAC, 20 A</td>
<td>20–100 A</td>
<td>70 A at 22.8 VDC, 100% duty cycle</td>
<td>17.4</td>
<td>2.0</td>
<td>1.9</td>
<td></td>
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</tr>
<tr>
<td></td>
<td>230 VAC</td>
<td>20–150 A</td>
<td>100 A at 24.0 VDC, 30% duty cycle</td>
<td>26.4</td>
<td>3.0</td>
<td>3.0</td>
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</tr>
</tbody>
</table>

*Sense voltage for Stick and Lift-Arc TIG.

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

Control Panel

1. Amperage Adjustment Control
2. Remote TIG Selector Light
3. TIG Selector Light
4. Stick Selector Light
5. Process Selector Touch Pad
6. Positive Weld Output Receptacle
7. Ready Light
8. Overtemperature Light
9. Negative Weld Output Receptacle with Flow Thru

Performance Data

DUTY CYCLE CHART

VOLT/AMP CURVES

Certified by Canadian Standards Association to both Canadian and U.S. Standards.
Maxstar 150 STL Packages

**Standard Package #907 135**
Package includes:
- Maxstar 150 STL power source
- 10-ft. (3 m) MVP™ power cord
- MVP™ plugs 5-15P (120 V, 15 A) and 6-50P (240 V, 50 A)
- Stick electrode holder with 13-ft. (4 m) cable and 25-mm Dinse-style connector
- Work clamp with 10-ft. (3 m) cable and 25-mm Dinse-style connector
- One air-cooled TIG torch connector (#195 234)
- Shoulder strap

**TIG/Stick Package #907 135 016**
**TIG/Stick Package with Remote Fingertip Control #907 135 017**
Packages include:
- Maxstar 150 STL power source
- 10-ft. (3 m) MVP™ power cord
- MVP™ plugs 5-15P (120 V, 15 A) and 6-50P (240 V, 50 A)
- X-CASE™ — provides protection in transport and storage
- Remote fingertip control (#195 184) (#907 135 017 Package only)
- Weldcraft™ A-150 (WP-17) 12.5-ft. (3.8 m) TIG torch with connector
- Stick electrode holder with 13-ft. (4 m) cable and 25-mm Dinse-style connector
- Work clamp with 10-ft. (3 m) cable and 25-mm Dinse-style connector
- Flow gauge regulator with gas hose
- AK2C accessory kit with short back cap, nozzles, collets, collet bodies, and 2% ceriated tungsten electrodes (.040, 1/16, and 3/32 in.)
- Shoulder strap

Genuine Miller™ Accessories

**X-CASE™ #300 184**
Sturdy case provides ultimate protection for transport and storage. Also features convenient top carrying handle and side recessed hand grips. Store the Maxstar 150, accessories and gear in this generous case to be ready to go at any time. Dimensions (H x W x D): 13 x 10.5 x 30.625 in. (330 x 267 x 778 mm).

**Full KVA Adapter Cord #300 517**

**Remote Controls and Switches**

**RCCS-6M (6-pin plug)**
#195 184 13.25-ft. (4 m) cord
#195 503 26.5-ft. (8 m) cord
North/south rotary-motion fingertip current/contactor control attaches to TIG torch using two hook-and-loop fasteners. Great for applications that require a finer amperage control. Includes cord and plug.

**RFCS-6M (6-pin plug)**
#195 183 13.25-ft. (4 m) cord
#195 504 20-ft. (6 m) cord
Foot pedal current/contactor control. Includes cord and plug.

**RMS-6M (6-pin plug)**
#195 269
Momentary-contact switch for contactor control. Rubber-covered pushbutton dome switch ideal for repetitive on-off applications. Includes 26.5-ft. (8 m) cord and plug.

**TIG Torches**

**Weldcraft™ Air-Cooled Torches**
#WP-17-12-R A-150 (WP-17) 12.5-ft. (3.8 m) TIG torch with gas thru connector
#WP-17-25-R A-150 (WP-17) 25-ft. (7.6 m) TIG torch with gas thru connector

**Air-Cooled TIG Torch Connector #195 234**
25-mm (small) Dinse-style gas thru for one-piece air-cooled torch.

**MVP™ Plugs**

#219 258
For power cable 6-50P (240 V/50 A).
Included with machine.

#219 261
For power cable 5-15P (120 V/15 A).
Included with machine.

#219 259
For power cable 5-20P (120 V/20 A). Optional, not included with machine.
### Ordering Information

<table>
<thead>
<tr>
<th>Power Source and Options</th>
<th>Stock No.</th>
<th>Description</th>
<th>Qty</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maxstar® 150 STL Standard Package</td>
<td>#907 135</td>
<td>Maxstar 150 STL with electrode holder, work clamp, and MVP cord and plugs</td>
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<tr>
<td>Maxstar® 150 STL TIG/Stick Package</td>
<td>#907 135 016</td>
<td>Includes #907 135 plus X-CASE™, A-150 TIG torch, gas regulator with hose, and AK2C accessory kit</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>#907 135 017</td>
<td>Includes #907 135 016 plus remote fingertip control</td>
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<td></td>
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<tr>
<td><strong>Accessories</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>X-CASE™ (only)</td>
<td>#300 184</td>
<td>Carrying case for Maxstar 150 STL</td>
<td></td>
<td></td>
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<tr>
<td>Full KVA Adapter Cord</td>
<td>#300 517</td>
<td>Adapts engine drive 120/240 V plug to Maxstar 240 V plug</td>
<td></td>
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</tr>
<tr>
<td>RCCS-6M</td>
<td>#195 184</td>
<td>13.25-ft. (4 m) remote fingertip control</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>#195 503</td>
<td>26.5-ft. (8 m), remote fingertip control</td>
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<tr>
<td>RMS-6M</td>
<td>#195 269</td>
<td>26.5-ft. (8 m) remote on/off control</td>
<td></td>
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<tr>
<td>RFCS-6M</td>
<td>#195 183</td>
<td>13.25-ft. (4 m) remote foot control</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>#195 504</td>
<td>20-ft. (6 m) remote foot control</td>
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</tr>
<tr>
<td>Weldcraft™ A-150 (WP-17) TIG Torch</td>
<td>#195 234</td>
<td>Connects the A-125, A-150 and A-80 Weldcraft torches to 25-mm gas thru Dinse-style connector</td>
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<tr>
<td>Air-Cooled TIG Torch Connector</td>
<td>#195 234</td>
<td>Connects the A-125, A-150 and A-80 Weldcraft torches to 25-mm gas thru Dinse-style connector</td>
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<td></td>
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<tr>
<td><strong>MVP™ Plugs</strong></td>
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<tr>
<td>MVP 240 V 6-50P</td>
<td>#219 258</td>
<td>Used to connect power source to 6-50R receptacle. Included with machine</td>
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<tr>
<td>MVP 120 V 5-15P</td>
<td>#219 261</td>
<td>Used to connect power source to 5-15R receptacle. Included with machine</td>
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<tr>
<td>MVP 120 V 5-20P</td>
<td>#219 259</td>
<td>Used to connect power source to 5-20R receptacle. Optional, not included with machine</td>
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</tbody>
</table>

**Date:**

**Total Quoted Price:**

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**Distributed by:**

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