**X-TREME versatility — Auto-Line™** provides state-of-the-art flexibility to the end user. The Auto-Line circuitry automatically connects to 120–240 V, single-phase power, 50/60 Hz, without removing the covers to relink the power source. No longer is there a concern if you have the correct machine for the shop or jobsite.

**X-TREME protection — X-CASE™** provides ultimate protection during transport and storage. Additional space ideal for MVP plugs, consumable box, as well as gloves, eye protection, etc.

**X-TREME portability — portable in the shop or at the jobsite—at 19 pounds the shoulder strap allows the end user to easily move from location to location.**

**Auto-Refire™ technology** provides ultimate customer convenience by automatically controlling the pilot arc when cutting expanded metal or multiple pieces of metal. The pilot arc will switch in and out as fast as needed when cutting expanded metal and provides maximum power for cutting thicker metal—all automatically! No need for manual retriggering which reduces user hand fatigue.

**Heavy-duty work clamp** with flexible cable and quick connect.

**Compatible with engine-driven welders.** Complete cutting capability when powered by an engine-driven welder/generator with a 240 V receptacle of 4 kW or more.

**XT30 torch** with an ergonomic handle to help prevent operator fatigue and a flexible cable that makes maneuvering easier.

**Power source is warranted for three years, parts and labor. XT torch is warranted for one year, parts only.**

**Comes complete with:**
- XT30 hand-held torch with 12 ft. (3.7 m) cable
- Heavy-duty work clamp with 12 ft. (3.7 m) flexible cable and quick connect
- X-CASE™ provides protection in transport and storage
- 10 ft. (3 m) MVP™ power cord
- MVP plugs 5-15P (120 V, 15 A), 6-50P (240 V, 50 A)
- Shoulder strap
- Consumables box with 2 electrodes, 2 tips, deflector, and air fitting

**LED indicators for power, pressure, cup and temperature allow faster troubleshooting, eliminating unnecessary downtime.**

**LVC™ line voltage compensation** provides peak performance power under variable conditions (power fluctuations up to ±15 percent) for steady cuts and cleaner ending cuts.

**Automatic air regulation** compensates for input pressure variation to provide constant recommended torch pressure for optimum cutting performance.

**Multi-voltage plug (MVP™) allows connection to 120 or 240 V receptacles without tools — choose the plug that fits the receptacle and connect it to the power cord.**
### Specifications (Subject to change without notice.)

<table>
<thead>
<tr>
<th>Input Power</th>
<th>Rated Output</th>
<th>Amps Input at Rated Output, 50/60 Hz, 1-Phase</th>
<th>KVA</th>
<th>KW</th>
<th>Plasma Gas</th>
<th>Dimensions</th>
<th>Weight with Torch</th>
</tr>
</thead>
<tbody>
<tr>
<td>240 V</td>
<td>30 A at 92 VDC, 40% duty cycle</td>
<td>14.7</td>
<td>3.5</td>
<td>3.4</td>
<td>Air or nitrogen only</td>
<td>H: 9 in. (229 mm)</td>
<td>Net: 19 lb. (8.6 kg)</td>
</tr>
<tr>
<td>120 V (20 A)</td>
<td>27 A at 92 VDC, 35% duty cycle</td>
<td>26.1</td>
<td>3.1</td>
<td>3.1</td>
<td></td>
<td>W: 5.5 in. (140 mm)</td>
<td></td>
</tr>
<tr>
<td>120 V (15 A)</td>
<td>20 A at 88 VDC, 60% duty cycle</td>
<td>18.3</td>
<td>2.1</td>
<td>2.1</td>
<td></td>
<td>D: 13.25 in. (337 mm)</td>
<td></td>
</tr>
</tbody>
</table>

*Recommended 30 A branch circuit for maximum performance. Performance on 20 A branch service may be limited due to breaker/line fuse. Reducing unit output amperage will minimize nuisance breaker/line fuse tripping.

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

### Mild Steel Cutting Capability (Thickness to scale.)

#### Cutting at 30 Amps (120 V, 30 A service with 5-20P MVP or 240 V 6-50P MVP)

- **1/4 in. (6.4 mm) at 36 ipm**

  - **Note:** Recommended maximum piercing capacity for hand-held applications is 3/16 inch (4.8 mm). Maximum sever cut of 5/8 inch (15.9 mm) at 6 ipm.

  - For aluminum and other metals with high thermal conductivity, cutting capabilities will be derated as much as 30%.

- **3/8 in. (9.5 mm) at 18 ipm**

  - **Mild Steel Recommended Cut Speeds at 30 Amps**

    | Thickness | Approximate Travel Speeds* |
    |-----------|----------------------------|
    | 1/16 in.  (1.6 mm) | 240+ ipm (6,096+ mm/min.) |
    | 1/8 in.   (3.2 mm) | 100 ipm (2,540 mm/min.)  |
    | 3/16 in.  (4.8 mm) | 63 ipm (1,605 mm/min.)   |
    | 1/4 in.   (6.4 mm) | 36 ipm (914 mm/min.)     |
    | 3/8 in.   (9.5 mm) | 18 ipm (467 mm/min.)     |
    | 1/2 in.   (12.7 mm)| 10 ipm (264 mm/min.)     |
    | 5/8 in.   (15.9 mm)| 6 ipm (163 mm/min.)      |

*Travel speeds are approximately 80% of maximum.

#### Cutting at 20 Amps (120 V, 15 A service with 5-15P MVP)

- **1/8 in. (3.2 mm) at 50 ipm**

  - **Note:** Recommended maximum piercing capacity for hand-held applications is 1/8 inch (3.2 mm). Maximum sever cut of 3/8 inch (9.5 mm) at 6 ipm.

  - For aluminum and other metals with high thermal conductivity, cutting capabilities will be derated as much as 30%.

- **1/4 in. (6.4 mm) at 17 ipm**

  - **Mild Steel Recommended Cut Speeds at 20 Amps**

    | Thickness | Approximate Travel Speeds* |
    |-----------|----------------------------|
    | 1/16 in.  (1.6 mm) | 158 ipm (4,014 mm/min.)  |
    | 1/8 in.   (3.2 mm) | 50 ipm (1,260 mm/min.)   |
    | 3/16 in.  (4.8 mm) | 33 ipm (833 mm/min.)     |
    | 1/4 in.   (6.4 mm) | 17 ipm (427 mm/min.)     |
    | 5/16 in.  (7.9 mm) | 8 ipm (203 mm/min.)      |
    | 3/8 in.   (9.5 mm) | 6 ipm (163 mm/min.)      |

*Travel speeds are approximately 80% of maximum.

#### Rated cut capacity is based on traveling approximately 15 inches per minute to achieve a steady, precise cut.

This is the key rating that should meet or exceed your typical cutting thickness requirements.

### Control Panel

1. Status and Troubleshooting Lights
2. Output Control
3. Range for 120 V, 15 A, 5-15 P, MVP™
4. Range for 120 V, 20 A, 5-20 P, MVP™
5. Range for 240 V, 50 A, 6-50 P, MVP™
**Genuine Miller® Accessories**

**X-CASE™ 300184**
Sturdy case provides ultimate protection for transport and storage. Also features convenient top carrying handle and side recessed hand grips. Store the Spectrum 375 X-TREME, 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 300517 Field**
NEMA 14-50P to NEMA 6-50R. Adapts engine drive 120/240 V plug to Spectrum 240 V plug.

**XT30 Consumable Kit 253520**
Consumable kit includes 5 electrodes, 5 tips, 1 swirl ring, 1 retaining cup, 1 o-ring and silicone grease.

**Plasma Standoff Roller Guide 253054**
Helps maintain recommended standoff distance to maximize cutting performance and improve tip life.

**Plasma Circle-Cutting Guide 253055**
Cut straight lines or circles up to 12-inch diameter with ease.

**Suction/Magnetic Pivot Base 195979**
Add this to your cutting guide for convenient attachment to all flat surfaces. The extended arm accommodates holes up to 30-inch diameter.

**In-Line Filter Kit 228926**
Mounts to the back of the Spectrum 375 X-TREME. Includes male and female 1/4-inch NPT quick disconnect fittings and hose for easy on/off connection. The replaceable element filters to .85 microns for removal of 99.9 percent of water, dirt and oil.

**In-Line Air Filter Replacement Element 228928**
For in-line filter 228926.

**Flexible Work Cable 263799**
12 ft. (3.7 m)
263800 20 ft. (6.1 m)
Work cable with quick connect and heavy-duty clamp.

**Safety Glasses (shade 5 lenses, recommended)**
- 235658 Black frame
- 235657 Blue frame
- 235659 Orange frame
- 272205 Slag™ black frame
- 272209 Slag™ white frame

Form-fitting orbital eye coverage with increased

**MVP™ Plugs**
- 219258 For power cable 6-50P (240 V/50 A). Included with machine.
- 219261 For power cable 5-15P (120 V/15 A). Included with machine.
- 219259 For power cable 5-20P (120 V/20 A). Optional.
## XT30 Torch and Consumables

### XT30 Hand-Held 12-foot (3.7 m) Torch
- **Stock No.:** 249949
- **Description:** Robust tip front end design optimizes arc performance and tip life.
- **Description:** Retaining cup design provides increased cutting visibility and quick turn for easy consumable change.
- **Description:** Drag shield protects tip for long life and easy template cutting.
- **Description:** Large laser-etched 30 A tip for easy reading.
- **Description:** Trigger guard protects against inadvertent arc initiation.
- **Description:** 80-degree handle provides natural arm and elbow positioning while cutting.
- **Description:** No-slip grip for easy control and torch dexterity.
- **Description:** Ergonomic design with unique thumb guide and finger grip contours.
- **Description:** Strain relief is durable and corrosion resistant, and exclusive flexible cable has improved bend radius.

### Ordering Information

<table>
<thead>
<tr>
<th>Power Source</th>
<th>Stock No.</th>
<th>Description</th>
<th>Qty.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spectrum® 375 X-TREME™ with X-CASE™</td>
<td>907529</td>
<td>120–240 V, 50/60 Hz, with 12 ft. (3.7 m) XT30 hand-held torch and X-CASE</td>
<td></td>
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<tr>
<td>Replacement Torch and Consumables</td>
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<td></td>
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<tr>
<td>XT30 Hand-Held Torch</td>
<td>249949</td>
<td>12 ft. (3.7 m)</td>
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<td></td>
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<tr>
<td>Consumables</td>
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<td></td>
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<tr>
<td>Accessories</td>
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</tr>
<tr>
<td>X-CASE™ (only)</td>
<td>300184</td>
<td>Carrying case for Spectrum 375 X-TREME</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Full KVA Adapter Cord</td>
<td>300517</td>
<td>Adapts engine drive 120/240 V plug to Spectrum 240 V plug</td>
<td></td>
<td></td>
</tr>
<tr>
<td>XT30 Consumable Kit</td>
<td>253520</td>
<td>Includes 5 electrodes, 5 tips, 1 swirl ring, 1 retaining cup, 1 o-ring and silicone grease</td>
<td></td>
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<tr>
<td>Silicone Grease</td>
<td>252951</td>
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<td>Plasma Standoff Roller Guide</td>
<td>253054</td>
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<td>Plasma Circle-Cutting Guide</td>
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<td>Suction/Magnetic Pivot Base</td>
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<td>In-Line Air Filter Kit</td>
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<td>In-Line Air Filter Replacement Element</td>
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<tr>
<td>Safety Glasses</td>
<td>See page 3</td>
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<tr>
<td>MVP™ Adapter Plugs</td>
<td>See page 3</td>
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</tbody>
</table>

**Date:**

**Total Quoted Price:**

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