

# X-TREME POWER

## NEW! Spectrum® 625 X-TREME™

### NEW Features

**X-TREME versatility** — Auto-Line™ provides state-of-the-art flexibility to the end user. The Auto-Line circuitry automatically connects to 120–240 VAC, single-phase power, 50/60 Hz, without removing the covers to relink the power source. (Output amperage is automatically reduced to 27 A for 120 V input.)

**MVP™ Adapters** — allow connection to 120 or 240 V receptacles without tools — choose the adapter cord with the right plug that fits the receptacle and connect it to the power cord with the L6-30R twist lock.

**XT40 torch** — ergonomic handle helps prevent operator fatigue while the flexible cable makes maneuvering easier.

**Easy-to-understand front panel** — color-coded plug configuration and input voltage ranges.

**Fan-On-Demand™ and Wind Tunnel Technology™**

**X-CASE™** — provides ultimate protection during transport and storage.

**X-TREME portability** — at 21 pounds the shoulder strap or X-CASE allows the end user to easily move from location to location.

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

**Auto-Refire™ technology** — provides ultimate customer convenience by automatically controlling the pilot arc when cutting expanded metal.

**LVC™ line voltage compensation** — provides peak performance power under variable conditions for steady cuts and cleaner ending cuts.

**Miller engine drive compatible** — full cutting power on any Miller engine drive with 6.5 kW or more 240 V generator power.

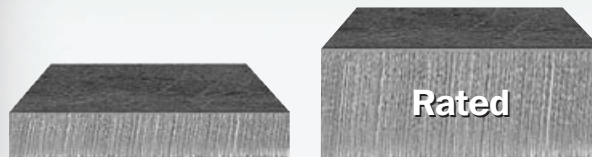


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**Spectrum® 625 X-TREME™ with XT40 torch and X-CASE™**  
 #907 531 12-ft. (3.7 m) torch  
 #907 531-00-1 20-ft. (6.1 m) torch

### Cutting at 40 Amps (240 V, 30 A service with 6-50P MVP™ Adapter)



1/4 in. (6.4 mm) at 64 IPM

5/8 in. (15.9 mm) at 13 IPM

Note: Recommended maximum piercing capacity for hand-held applications is 5/16 inch (7.9 mm). Max sever cut of 7/8 inch (22.2 mm) at approximately 5 IPM.

### Cutting at 27 Amps (120 V, 15 A service with 5-15P MVP™ Adapter)

Output amperage is automatically reduced to 27 A for 120 V input.



1/8 in. (3.2 mm) at 88 IPM

3/8 in. (9.5 mm) at 15 IPM

Note: Recommended maximum piercing capacity for hand-held applications is 1/8 inch (3.2 mm).

### Mild Steel Recommended Cut Speeds at 40 Amps

Thickness	Approximate Travel Speeds*
1/8 in. (3.2 mm)	156 IPM (3963 mm/min)
1/4 in. (6.4 mm)	64 IPM (1626 mm/min)
3/8 in. (9.5 mm)	36 IPM (915 mm/min)
1/2 in. (12.7 mm)	22 IPM (559 mm/min)
5/8 in. (15.9 mm)	13 IPM (330 mm/min)

### Mild Steel Recommended Cut Speeds at 27 Amps

Thickness	Approximate Travel Speeds*
12 ga. (2.8 mm)	115 IPM (2921 mm/min)
1/8 in. (3.2 mm)	88 IPM (2235 mm/min)
3/16 in. (4.8 mm)	50 IPM (1280 mm/min)
1/4 in. (6.4 mm)	28 IPM (711 mm/min)
3/8 in. (9.5 mm)	15 IPM (386 mm/min)
1/2 in. (12.7 mm)	8 IPM (203 mm/min)
5/8 in. (15.9 mm)	5 IPM (126 mm/min)

\*Travel speeds are approximately 80% of maximum.

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



# X-TREME POWER

## NEW! Miller XT40 Torch

**Electrode** — optimized diameter and shape provides concentricity, smooth movement and extraordinary cooling for improved life and cutting performance.

**Increased cutting visibility** — with new retaining cup design.

**Retaining cup** — offers quick turn for easy consumable change.

**Robust tip front end design** — optimizes arc performance and tip life.

**Drag shield** — protects tip for long life and easy template cutting.

By replacing drag shield with **deflector** and holding recommended 1/16-inch standoff, operator experiences good arc visibility when cutting — no additional consumables to change.

**Laser-etched tip** — for easy identification.

**Simple gouging setup** — replace only the tip and drag shield with gouge tip and gouge shield. The rest of the consumables are common.

**No slip grip** — for easy control and torch dexterity.

**Trigger guard** — protects against inadvertent arc initiation.

**Ergonomic design** — with unique thumb guide and finger grip contours, helps prevent operator fatigue.

**80-degree handle** — provides natural arm and elbow positioning while cutting.

**Exclusive flexible cable** — for improved bend radius and flexibility for comfort while cutting. Makes maneuvering easier.

**Strain relief** — durable and corrosion resistant.



*Note: The XT40 can be configured for cutting at either 30 A or 40 A by installing the appropriate cutting tip and drag shield.*