Powerful performance in a lightweight package.

With up to 40 amps of power, the Airforce 40i can clean cut 5/8-inch and sever cut 7/8-inch steel. It runs on 120-volt or 240-volt power using toolless MVP adapters, so it’s excellent for light and heavy industrial users. At 21 pounds, it’s easy to transport from one job to another. Setup is easy too; quickly adjust the amperage on the front of the machine with the single knob design.

Applications
- Maintenance
- Prototyping
- Light construction
- Body shops
- Fabrication

Includes
- 12 ft. (3.7 m) XT40R hand-held torch
- 12 ft. (3.7 m) work cable with clamp
- 12 ft. (3.7 m) power cord with 240 V L6-30P twist lock plug for MVP adapters
- MVP adapters with 240 V, 50A (6-50P) plug and 120 V, 15 A (5-15P) plug
- Easy-to-connect, built-in gas/air filter and regulator for extra protection
- Extra consumables (2 tips, shield deflector, and electrode)
- Cable management included

Features
- Small lightweight design
- MVP adapters
- XT40R torch
- Pilot arc controller
- Wind Tunnel Technology™
- Fan-On-Demand™
- Power factor correction (PFC) circuitry
- LVC™ line voltage compensation
- Internal gas/air filter and regulator
- Starts without high frequency
- Postflow cooling circuit
- Automatic gouging consumable detection
- Compatible with engine-driven welders
- Hobart 5/3/1 industrial warranty

Benefits
- At just 21 pounds (9.5 kg), the shoulder strap allows the end user to easily move from location to location.
- 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.
- Increased comfort with an ergonomic trigger safety, more efficient cooling and economical replacement cutting tips.
- Allows you to cut expanded/perforated metals, as well as painted or coated surfaces, without retriggering the torch.
- Prevents abrasive dust and particles from damaging internal components.
- Cooling system operates only when needed reducing power consumption and contaminants drawn into the machine.
- Draws up to 30% less amperage for the same cutting range as compared to the competition. PFC expands operators work area via extension cord, while minimizing nuisance circuit breaker trips caused by voltage drops.
- Provides peak performance power under variable input voltage conditions (±15%) for steady and cleaner-ending cuts.
- Controls amount of usage and flow of air or gas.
- Protects unit by not interfering with or damaging controls or computers.
- Extends life of consumables and torch by cooling them with postflow air after trigger is released.
- Adjusts gas pressure to optimize performance, eliminating the need for a manual regulator.
- Complete cutting capability when powered by an engine-driven welder/generator with a 240 V receptacle of 8 kW or more.
- Five-year warranty on transformers, stabilizers and main rectifiers; three years on generators, PC boards and drive systems; and one year on guns (MIG, plasma and TIG torches).
**Mild Steel Cutting Capacity** *(Thickness to scale.)*

**Cutting at 40 Amps (240 V)**

Output amperage is automatically reduced to 30 A for 120 V input.

<table>
<thead>
<tr>
<th>Thickness</th>
<th>Approximate Travel Speeds*</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/8 in. (3.2 mm)</td>
<td>88 ipm (2,235 mm/min.)</td>
</tr>
<tr>
<td>3/16 in. (4.8 mm)</td>
<td>50 ipm (1,280 mm/min.)</td>
</tr>
<tr>
<td>3/8 in. (6.4 mm)</td>
<td>28 ipm (711 mm/min.)</td>
</tr>
<tr>
<td>1/2 in. (12.7 mm)</td>
<td>8 ipm (203 mm/min.)</td>
</tr>
<tr>
<td>5/8 in. (15.9 mm)</td>
<td>5 ipm (126 mm/min.)</td>
</tr>
</tbody>
</table>

*Travel speeds are approximately 80% of maximum.

**Cutting at 27 Amps (120 V)**

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

<table>
<thead>
<tr>
<th>Thickness</th>
<th>Approximate Travel Speeds*</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 ga. (2.8 mm)</td>
<td>115 ipm (2,921 mm/min.)</td>
</tr>
<tr>
<td>1/8 in. (3.2 mm)</td>
<td>88 ipm (2,235 mm/min.)</td>
</tr>
<tr>
<td>5/32 in. (4.0 mm)</td>
<td>50 ipm (1,280 mm/min.)</td>
</tr>
<tr>
<td>3/16 in. (4.8 mm)</td>
<td>28 ipm (711 mm/min.)</td>
</tr>
<tr>
<td>3/8 in. (6.4 mm)</td>
<td>15 ipm (386 mm/min.)</td>
</tr>
<tr>
<td>1/2 in. (12.7 mm)</td>
<td>5 ipm (126 mm/min.)</td>
</tr>
<tr>
<td>5/8 in. (15.9 mm)</td>
<td>5 ipm (126 mm/min.)</td>
</tr>
</tbody>
</table>

*Travel speeds are approximately 80% of maximum.

Note: Recommended maximum piercing capacity for hand-held applications is 1/8 inch (3.2 mm). For aluminum and other metals with high thermal conductivity, cutting capabilities will be derated as much as 30%.

**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.**

**Torch Consumables** *(Order from Hobart Service Parts.)*

- **770798** Drag Shield
- **770797** Tip (2)
- **770791** Electrode (2)
- **770793** Swirl Ring
- **770794** O-Ring

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

**XT40R Replacement Torch** 284516
12 ft. (3.7 m)

**Protective Cover** 770966
Weather-resistant nylon resists stains and mildew while protecting the finish of your plasma cutter.

**Shade 5.0 Safety Glasses**
- **770726** Mirrored lens with black frame
- **770727** Black lens with orange frame
Stylish protection that meets ANSI Z87.1 standards.

**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 plasma cutter, 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).

**XT40 Consumable Kit** 253521
- Consumable kit includes 5 electrodes, 5 tips (40 A), 3 tips (30 A), 1 drag shield (40 A), 2 drag shields (30 A), 1 deflector, 1 o-ring, 1 swirl ring, 1 retaining cup, 1 gouge tip (40 A), 1 gouge shield and silicone grease.

**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.

**In-Line Air Filter Kit** 228926
Mounts to the back of the AirForce® 27i and 40i. Includes male and female 1/4-inch NPT quick disconnect fittings and hose for easy on/off connection. The replaceable filter element filters to .85 microns.

**In-Line Air Filter Replacement Element** 228928
Includes one replacement filter for in-line filter kit 228926.

**Full KVA Adapter Cord** 300517

**240-Volt Extension Cord** 770644
20-foot (6.1 m) NEMA 6-50P to NEMA 6-50R heavy-duty extension cord. 8-gauge cord has lighted ends that show power is on and a molded integrated strain relief.

**MVP™ Adapters**
- **254328** For connection to 6-50P receptacle (240 V/50 A). Included with machine.
- **254330** For connection to 5-15P receptacle (120 V/15 A). Included with machine.
- **254331** For connection to 5-20P receptacle (120 V/20 A). Optional.