

# HOBART®

MADE IN THE USA

**5/3/1**  
INDUSTRIAL  
WARRANTY

# AirForce™ 250ci

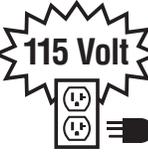
## 115V Portable Air Plasma Cutter



233240  
April 2011



#500534



### Includes:

- 16.5-ft. (5 m) HP-25 hand-held torch
- 16.5-ft. (5 m) work cable with clamp
- Extra consumables (2 electrodes, 2 tips and 1 air fitting)
- 7-ft. (2.1 m) power cord with plug

**N**eed to cut steel? Thinking about an oxy acetylene cutting torch to do the job? Consider a plasma cutter. This simple technology uses an electrical arc and compressed air to cut steel, aluminum and other conductive metals.

The AirForce™ 250ci is powered by standard household voltage (115 VAC) and comes ready to cut right out of the box—just pull the trigger. It excels at cutting sheet metal and 1/8-inch mild steel, and can even sever 1/4-inch mild steel. The built-in air compressor and lightweight inverter power supply make this plasma cutter the most convenient, totally portable cutting system available.

Compared to the complexities of an oxy fuel cutting torch system, plasma cutting is easy:

- Cuts faster than oxy fuel
- More precise cut, thinner kerf, less slag to clean up
- Smaller heat-affected zone for less warping
- No gas pressure settings or flame tuning needed
- No preheating of metal prior to cutting

### Applications

- Sheet Metal
- Auto Body Repair
- Plumbing
- HVAC Duct Work
- Home Hobby

## Features

## Benefits

<b>Inverter design</b>	Powerful cutting ability in a compact, lightweight package—weighs only 27 lbs.
<b>Built-in air compressor</b>	Internal piston-driven air compressor makes the system highly portable. No additional compressor to purchase or transport. Pressure is preset... ready to cut, right out of the box.
<b>HP-25 torch</b>	Designed for increased comfort with an ergonomic trigger safety, more efficient cooling and economical replacement cutting tips.
<b>Powered by 120 V, 20 A circuit</b>	Runs on standard household power. No need for 230 volt hookup by utility company.
<b>Fan-On-Demand™</b>	Cooling system operates only when needed reducing power consumption and contaminants drawn into the machine.
<b>Pilot arc start</b>	Ensures consistent arc starts prior to each cut, minimizes tip burnout.
<b>Diagnostic lights</b>	LED lights indicate system status for power, temperature, and torch readiness—eliminating unnecessary downtime.
<b>Thermal overload protection</b>	Built to withstand tough working environments. Rated for 35% duty cycle at 104° Fahrenheit. Duty cycle will increase as environmental temperature decreases.
<b>Cable management strap</b>	Secures torch, work cable and power cord to make transporting easy and convenient.
<b>Postflow cooling circuit</b>	Extends life of consumables and torch by cooling them with postflow air after trigger is released.
<b>Hobart's 5/3/1 Industrial Warranty</b>	Five-year warranty on transformers, stabilizers and generators; three years on electronics (drive motors, rectifiers); and one year on guns (MIG and plasma torches).

## Specifications (SUBJECT TO CHANGE WITHOUT NOTICE.)

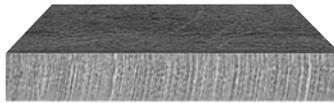


Rated Output	Amps Input at Rated Output, 60 Hz, 1-Phase			Max. Open-Circuit Voltage	Dimensions	Net Weight w/Torch
	120 V	KVA	KW			
12 A with 110 VDC, 35% Duty Cycle	20	2.27	2.0	375 VDC	H: 10 in. (254 mm) W: 8-1/4 in. (210 mm) D: 13 in. (330 mm)	27 lb. (12.3 kg)

## Mild Steel Cutting Capability (THICKNESS TO SCALE.)



**1/8 in. (3.2 mm) at 10 IPM**



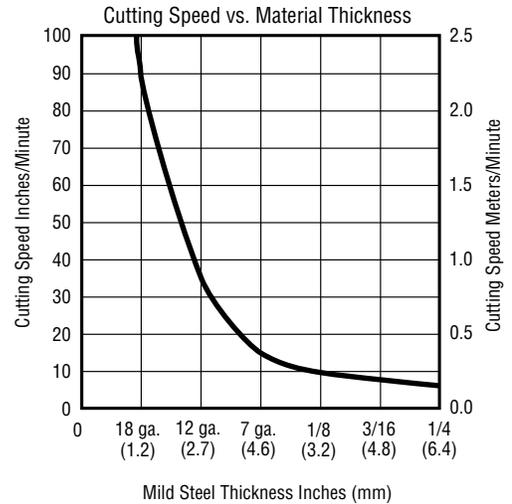
**Max Cut: 1/4 in. (6.4 mm)**

Maximum cutting capacity is 3 inches per minute at ideal conditions.

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

To determine the maximum rated cutting thickness of mild steel, follow the line from the 10 IPM (inches per minute) point on the cutting chart. The point at which this line intersects the cutting curve determines the maximum recommended production cutting thickness of the unit.

Note: The rating is based on 10 IPM because this is the minimum speed at which the operator achieves a smooth, steady cut when using a hand-held torch.

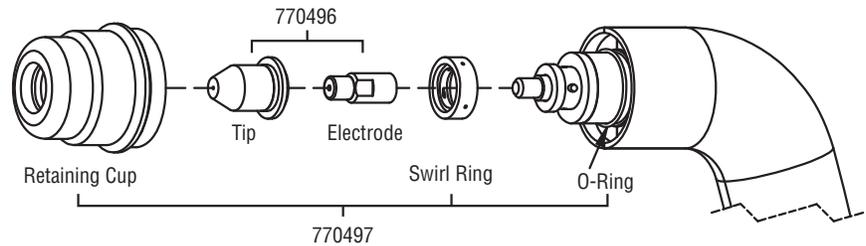


## Accessories



**HP-25 Replacement Torch #232647**  
16.5 ft. (5 m)

## Torch Consumables (ORDER FROM HOBART SERVICE PARTS.)



**Hobart Welders** An Illinois Tool Works Company

Hobart Welding Products Service 800-332-3281 Sales 800-626-9420

Litho in USA

hobartwelders.com

