



PROCESS



Air Plasma Cutting

5/3/1 INDUSTRIAL WARRANTY



Need 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.

Designed to cut up to 1/4 inch mild steel, the AirForce™ 250ci is powered by standard household voltage (115 VAC). A built-in air compressor and lightweight inverter power supply make this plasma cutter the most convenient, totally portable cutting system available. The AirForce™ 250ci excels at cutting sheet metal and 1/8 inch mild steel, and can even sever 1/4 inch steel.

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
- No pressurized gas cylinders to transport
- No worries about running out of gas on the job
- No expense for gas refills... ever

The AirForce™ 250ci comes ready to cut out of the box, with extra replacement tips and a convenient cable management strap for easy transportation. Just pull the trigger and cut.

Comes Complete With:

- HP-25 16.4 ft (5 m) hand-held torch
- Heavy-duty work clamp with 16.4 ft (5 m) cable
- 7 ft (2.1 m) power cord with 115 VAC plug
- Extra consumables (2 tips, 2 electrodes)

Applications

- Sheet metal
- Auto body repair
- Plumbing
- HVAC duct work
- Home hobby

FEATURES

BENEFITS

New inverter design	Powerful cutting ability at half the weight of prior model (AirForce 250A.) Weighs only 27 lbs.
Built-in air compressor	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.
New ergonomic torch	The new HP-25 torch is designed for increased comfort, more efficient cooling and economical replacement cutting tips.
Powered by 120 V, 20 amp circuit	Runs on standard household power. No need for 230 volt hookup by utility company.
Post-flow air cooling	Cools the torch and tip after cutting, extending life of replaceable tip and electrode.
Fan-On-Demand	Runs only when needed reducing dust/debris pulled into unit.
Pilot Arc Start	Ensures consistent arc starts prior to each cut, minimizes tip burnout.
Diagnostic lights	LED lights indicate system status for power, temperature, and torch readiness eliminating unnecessary downtime.
Thermal overload protection	Built to withstand tough working environments. Rated for 35% duty cycle at 104° Fahrenheit. Duty cycle will increase as environmental temperature decreases.
Cable management strap	Secures torch, work cable and power cord to make transporting easy and convenient.
Hobart 5/3/1 Warranty	No other manufacturer offers a better warranty than Hobart. Power source is warranted for three years , parts and labor. Original rectifier parts have a five-year warranty and the HP-25 torches have a one-year parts and labor warranty.

SPECIFICATIONS (SUBJECT TO CHANGE WITHOUT NOTICE.)

DC **1**
Phase

Rated Output	Max. Open-Circuit Voltage	Amps Input at Rated Output, 60 Hz, Single-Phase			Dimensions	Net Weight with torch	Ship Weight
		120 V	KVA	KW			
12 Amps at 110 VDC, 35% Duty Cycle	375 VDC	20	2.27	2.0	H: 10 in (254 mm) W: 8-1/4 in (210 mm) D: 13 in (330 mm)	27 lb (12.3 kg)	30 lb (13.6 kg)

Certified to both the Canadian and U.S. Standards for welding and plasma cutting equipment.



Hobart Welders An Illinois Tool Works Company

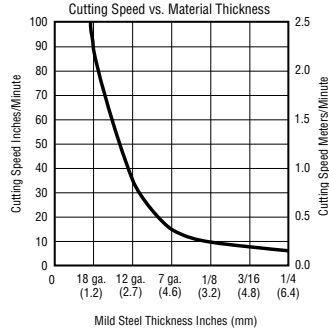
Hobart Retail Sales Phone 800-332-3281 FAX 937-332-4161
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Canadian Sales Phone 888-489-9353 FAX 519-421-0480
International Sales Phone 920-735-4509 FAX 920-735-4125

Web Site HobartWelders.com



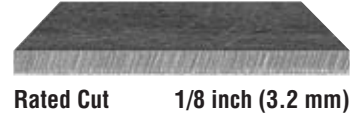
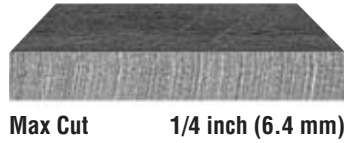
CUTTING PERFORMANCE

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.

MILD STEEL CUTTING CAPACITY (Thickness to scale.)

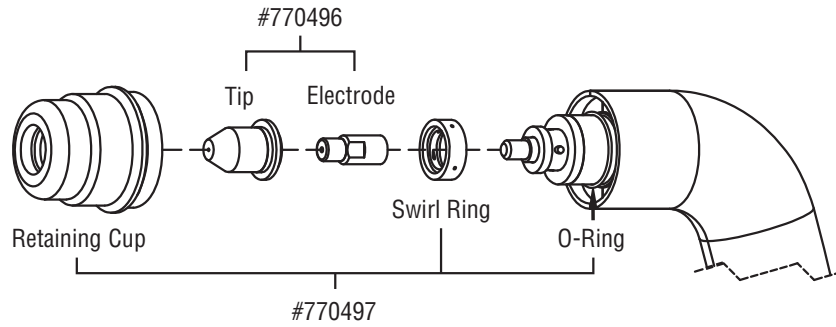


Maximum Cutting Capacity*
3 inches per minute at ideal conditions

Rated Cutting Capacity*
10 inches per minute (minimum speed at which an operator achieves a smooth, steady cut using a hand-held torch).

*Ratings for stainless and aluminum reduced by 30%.

TORCH CONSUMABLE KITS



ORDERING INFORMATION AND SYSTEM CHECKLIST

Power Source	Stock No.	Description	Qty.	Price
AirForce 250ci	#500534	Single-phase, 120 VAC, 60 Hz		
UPC: #715959372183; Shipping Weight: 30 lb (13.6 kg); Carton Dimensions: 18-1/4 x 11-5/8 x 17 in (464 x 295 x 432 mm); Pallet Qty: 12				
Torch Consumable Kits				
Contact Tip and Electrode Kit	#770496			
Cup, Swirl Ring, O-ring Kit	#770497			

Date:

Total Quoted Price:

HOBART

WELDERS

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