AirForce® 12ci

120-Volt Portable Air Plasma Cutter

120 V

500564

Quick Specs

DC | **1 Phase**

5/3/1 INDUSTRIAL WARRANTY

Rated Output
12 A at 110 VDC, 35% duty cycle

Mild Steel Cutting Capacity
Rated: 1/8 in. (3.2 mm)
Max. Cut: 1/4 in. (6.4 mm)

Portable and ready to cut out of the box with built-in air compressor.

The Airforce 12ci has inverter technology, which provides powerful cutting ability in a compact lightweight package — less than 27 pounds. What's more, the Airforce 12ci has a built-in air compressor making it ready to cut out of the box. With preset pressure, the Airforce 12ci is easy to use. You just pull the trigger and begin cutting.

Applications
- Sheet metal
- Auto body repair
- HVAC duct work
- Hobby projects
- Plumbing
- Artwork

Includes
- 12 ft. (3.7 m) XT12R hand-held torch
- 12 ft. (3.7 m) work cable with clamp
- 7 ft. (2.1 m) power cord with plug
- Extra consumables (2 tips, standoff guide, and electrode)

Features	Benefits
Inverter design	Powerful cutting ability in a compact, lightweight package — weighs less than 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.
XT12R torch	Designed for increased comfort with an ergonomic trigger safety, more efficient cooling and economical replacement cutting tips.
Powered by 120 V, 20 A circuit	Runs on standard household power. No need for 240 V hookup by utility company.
Fan-On-Demand™	Cooling system operates only when needed reducing power consumption and contaminants drawn into the machine.
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.
Postflow cooling circuit	Extends life of consumables and torch by cooling them with postflow air after trigger is released.
Hobart 5/3/1 industrial warranty	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).

Specifications (Subject to change without notice.)

DC | **1 Phase**

Rated Output	Amps Input at Rated Output, 60 Hz			Max. Open Circuit Voltage	Dimensions (H x W x D)	Net Weight with Torch
	120 V	KVA	KW			
12 A at 100 VDC, 35% duty cycle	22.3	2.68	1.85	375 VDC	10 x 8.25 x 13 in. (254 x 210 x 330 mm)	25.1 lb. (11.4 kg)

CSP® *Certified by Canadian Standards Association to both the Canadian and U.S. Standards.*
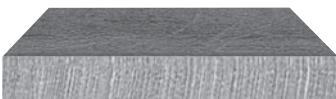
HOBART WELDING PRODUCTS

Mild Steel Cutting Capacity (Thickness to scale.)

Rated

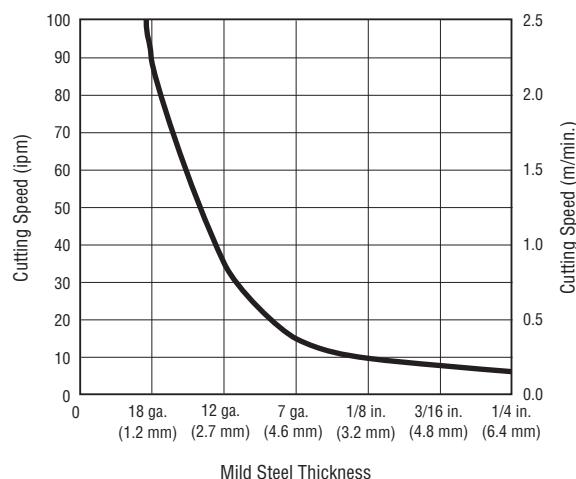**1/8 in. (3.2 mm) at 10 ipm**

Max Cut: 1/4 in. (6.4 mm) at 3 ipm

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.

Cutting Speed vs. Material Thickness

Cutting Speed (ipm) / Cutting Speed (m/min.) vs. Mild Steel Thickness

Mild Steel Thickness	
18 ga. (1.2 mm)	
12 ga. (2.7 mm)	
7 ga. (4.6 mm)	
1/8 in. (3.2 mm)	
3/16 in. (4.8 mm)	
1/4 in. (6.4 mm)	

Accessories

XT12R Replacement Torch   268919
12 ft. (3.7 m)

Protective Cover   770771
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.

Torch Consumables (Order from Hobart Service Parts.)

770840

Standoff Guide

Tip

770791
Electrode (2)

Retaining Cup

Swirl Ring

O-Ring

770794

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