

# ForceCut® 40D



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40AMP 110/220V PILOT ARC PLASMA CUTTER

PROCESS: PAC with HF start/Pilot Arc OCV: 200 V DIMENSIONS: 7.5"Wx14"Lx12.5"H

INPUT: 110/220V 1 Phase, 50/60Hz 40A RATED CUT: 1/2" WEIGHT: 35 lbs., unit only

OUTPUT: 14-40A; 88-100V MAXIMUM CUT: 3/4" BUILT IN WATER SEPARATOR

INVERTER TYPE: MOSFET construction DUTY CYCLE: 60% @40A, A INSULATION GRADE: F

## Introduction

LONGEVITY wanted to create a unit for the on-the-go user, something that was portable yet performed up to the expectations of the customer all while maintaining LONGEVITY's priority on value. The ForceCut® 40D meets all the required criteria and more!

The ForceCut40D is capable of being hooked up to most portable compressors and generators. The ForceCut® 40D is lightweight, powerful and more reliable than other units on the market using out-of-date technology.

The ForceCut 40D only weighs 32 lbs and runs off 110v/220v 1-phase voltage making this unit the most portable plasma cutters on the market for its power. The ForceCut® 40D offers quality cutting of up to 1/2" and severance cuts of up to 3/4".

## A. Pilot Arc

On out-of-date plasma cutters, when the arc is interrupted the trigger must be disengaged to restart the arc. With the ForceCut® 40D plasma cutter, the Pilot Arc system automatically senses loss of voltage, and re-ignites the Pilot Arc allowing for the torch head to maintain an arc when cutting. This is effective allowing you to not worry about the cutting height, cut speed, and it allows you to cut expanded metal. Pilot Arc technology allows for you to always have power to the arc which increases your cutting speed and assists with uneven cutting surfaces.

## B. 14-40 Amp Cutting Range

With the ForceCut® 40D you will never have to hesitate about having the correct cutting equipment to complete the task. Accuracy is essential in cutting, and with the ForceCut® 40D you are able to exactly dial in the amperage needed to perform the job. Whether you are cutting thin gauge materials or exotic metals up to 3/4" severance mild steel. The ForceCut® 40D offers superior cutting power for price!

The Power to Last!

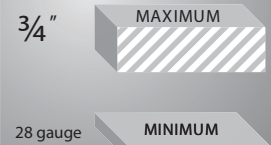
1 YEAR WARRANTY



### SUITABLE FOR:

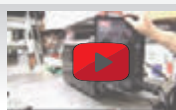
- Factory Maintenance
- Fabrication
- Farm
- Auto Body Repair
- Portable Repair

### RATED CUTTING CAPACITY\*



\*Image not to scale.

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## C. Blowback Arc Start

The ForceCut® 40D starts the arc by creating an internal spark to ignite the plasma arc. By using air pressure to move the electrode against the nozzle, the ForceCut® 40D creates the arc without any need for high frequency.

## D. Durable Plasma Torches

By using the S-45 torches, LONGEVITY makes finding consumables simple and stress free. Aftermarket consumables are readily available in most local tool stores, welding supply stores, and on our website.

## E. Built In Air Filter And Regulator

Built in gas/air filter and regulator provides air filtration of airborne particles to keep the ForceCut 42i cutting clean and efficiently.



## F. Variable Amp Adjustment

LONGEVITY offers variable amps adjustments and not presets on the ForceCut® 40D. This allows users to pinpoint the correct setting while cutting.

## G. Thermal Overload Protection

LONGEVITY has included thermal overload protection which informs the user when the duty cycle has been exceeded shutting down the unit in a safe matter until it has been cooled to adequate temperatures to proceed cutting.

## H. Front Mounted Regulators and Gauge

LONGEVITY offers easy accessibility by using front mounted regulators and Gauge on the ForceCut® 40D. An easy pull and turn to adjust the air pressure and a push to lock it in is all it takes, no fumbling around to the back to adjust settings. You will be able to see the pressure on the unit.

## I. Low Air Pressure Warning

LONGEVITY includes yet another safety feature in the ForceCut 40D, a low air pressure warning sensor which stops cutting momentarily when air pressure drops under safe limits allowing you to save on consumables.

### Whats Included:

14 ft torch S-45

- . Extra length
- . Euro connect



Spare Consumables

- . Complete Kits
- . Individual packs
- . High quality



LONGEVITY Ground Clamp



Built In Water Separator



### Optional Equipment:

Auto-Dark Helmet  
. Power View Elite



25 ft Torch S-45

- . Extra length
- . Euro connect



Spare Consumables

- . Complete kits
- . Individual packs
- . High quality



Cart  
. Heavy duty  
. 3 shelves



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