**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® 42i meets all the required criteria and more!

The ForceCut® 42i is capable of being hooked up to most portable compressors and generators. Powered by IGBT inverter technology, the ForceCut® 42i is lightweight and more reliable than other units on the market using out-of-date technology.

The ForceCut® 42i only weighs 36lbs. and runs off 110/220v 1 phase voltage making this unit the most portable plasma cutters on the market for its power. The ForceCut® 42i offers quality cutting of up to .78” (20mm) and rough cuts of up to .98” (25mm).

**A. Variable Amp Adjustment**

LONGEVITY offers variable amps adjustments and not presets on the ForceCut® 42i. This allows users to pinpoint the correct setting while cutting.

**B. Efficient IGBT Inverter Technology**

IGBT technology has taken the welding industry to new levels. It gives us the ability to offer smaller units that weigh less while increasing efficiency. The ForceCut® 42i with its portable design can be powered by 8500 watt generator. LONGEVITY uses IGBT technology powered by Siemens because of the increase in performance and better reliability than outdated inverter technology. Put the oxy torch away and give our plasma cutters a try. You will never go back!
C. 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On out-of-date plasma cutters, when the arc is interrupted the trigger must be disengaged to restart the arc.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® 42i 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.

D. Blowback Arc Start / CNC Ready
The ForceCut® 42i 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® 42i creates the arc without any need for high frequency. This allows for easier CNC table integration without the worry of interference.

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.

INCLUDED:
- PT-60 Torch 20ft
- 110/220 Power Plug Adapter
- 10 ft Ground/Earth Cable
- Consumables

QUICK CONNECT
The Euro style quick-connect offers efficient and safe interchangeability with aftermarket torches like Trafimet®.

www.longevity-inc.com