



EAC

NXP

IOR

OVERVOLTAGE
PROTECTIONADAPTIVE
COOLING

IGBT

TECHNOLOGY

3 \approx

3x400 50Hz

3 - PHASE
CHAIN

2T/4T

TWO-STROKE /
FOUR-STROKE
MODE

IP23

STANDARD SERIES

PATON StandardCUT-70-400V inverter plasma cutter is designed for manual cutting of metals and alloys up to 25 mm thick with a plasma arc in a stream of compressed air. The plasma cutter is lightweight and easy to set up thanks to its infinitely variable current control, which allows for precise cutting without metal deformation, both in sheet metal and in curved cutting. It is equipped with a pneumatic system with two valves for soft arc ignition with reduced metal spatter, which significantly increases the life of plasma torch consumables. The torch protection system avoids ignition at insufficient air pressure.

Features and benefits:

- Peak overloads protection system.
- Three-phase connection that does not require a neutral.
- Convenient operation due to a good duty cycle at a rated current.
- Increased reliability in dusty environments.
- All heated elements have a thermal protection system.
- Infinitely adjustable current control.
- Double-valve pneumatic system.

**1** year
warranty

STANDARDCUT-70-400V DC CUT

TECHNICAL SPECIFICATIONS

PARAMETERS:	StandardCUT-70-400V
Rated input voltage of mains 50Hz, V	3x400
Rated input current from mains, A	20
Rated cutting current, A	70
Load duration (LD)	50% at 70A / 100% at 40A
Voltage range, V	360 - 420
Cutting current control range, A	20-70
Recommended thickness of metal cut, mm	20
Maximum thickness of metal cut, mm	25
Operating air pressure range, MPa	0,48 - 0,6
Gas flow, lpm	not less than 180
Non-contact ignition unit (oscillator)	+
Pilot arc	+
Plasma ignition voltage, V	270-310
Rated power consumption, kVA	10,5
Maximum power consumption, kVA	12,6
Efficiency, %	90%
Cooling	Forced
Operating temperature range	-25 ... +45°C
Overall dimensions (L x W x H), mm	560 x 233 x 360
Weight without torch, kg	20,3
Protection class	IP23

DELIVERY SET StandardCUT-70-400V:

Fitting for quick-release gas hose

Welding cable with ABICOR
BINZEL «ground» terminal

ABICOR BINZEL
plasmatron

PATON branded
corrugated box



COMPLETE