

StandardCUT-40 StandardCUT-70-400V StandardCUT-100-400V

1 year
warranty

The **PATON StandardCUT-40/70-400V/100-400V** inverter plasma cutters are designed for manual cutting of metals using a plasma arc in a compressed air flow. These machines are characterized by their simplicity in setup and use, reliability, and compact size. The StandardCUT-40 is ideal for private and professional workshops, while the StandardCUT-70-400V and StandardCUT-100-400V are industrial models that combine high power and functionality.



Processes



Input



Output



PARAMETERS

	StandardCUT-40	StandardCUT-70-400V	StandardCUT-100-400V
Rated input voltage of mains 50Hz, V	220±10%	380±10%	
Rated input current from mains, A	27	20	25
Rated cutting current, A	40	70	100
Voltage range, V	190–250	360–420	
Cutting current control range, A	20–40	20–70	35–100
Load duration (LD)	50% / 40A 100% / 33A	50% / 70A 100% / 40A	50% / 100A 100% / 70A
Recommended thickness of metal cut, mm	8	20	25
Maximum thickness of metal cut, mm	12	25	35
Operating air pressure range, MPa	0,4–0,6	0,48–0,6	0,48–0,7
Gas flow, lpm		min. 180	
Non-contact ignition unit (oscillator)		+	
Pilot arc	–		+
Plasma ignition voltage, V		270–310	
Rated power consumption, kVA	4,9	10,5	13,2
Maximum power consumption, kVA	6,3	12,6	16,5
Efficiency, %		90%	
Cooling		forced	
Operating temperature range		–25 ... +45°C	
Insulation class H		H	
Standard		EN IEC 60974-1	
Overall dimensions (L×W×H), mm	465 × 193 × 292	560 × 233 × 360	560 × 233 × 440
Weight without torch, kg	10,3	20,3	25,8
Protection class		IP23	

ADVANTAGES

IGBT
TECHNOLOGY

**PNEUMATIC SYSTEM
WITH TWO
VALVES**

**FORCED
COOLING**

**WORK WITH
WEAK POWER
NETWORKS**

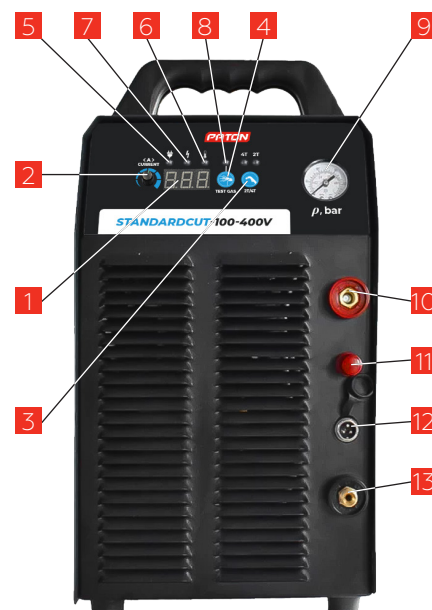
**OVERVOLTAGE
PROTECTION**

IP23

FRONT CONTROLS



- 1 Digital display
- 2 Current controller for infinitely variable cutting current control
- 3 Button mode switch on the plasma torch (2T/4T)
- 4 Air supply check button
- 5 Power supply status indicator
- 6 Device operation indicator
- 7 Indicator LED: Lights up red during the cutting process
- 8 Sufficient air pressure indicator
- 9 Air pressure gauge
- 10 Power socket "+" of the bayonet type for connecting the power cable "earth"
- 11 Pilot arc terminal of the plasma torch
- 12 Button control connector on the plasma torch
- 13 Power current socket "-" type bayonet for connection cap nut of the plasma torch



APPLICATIONS

It is used for manual cutting of metal and alloy products in private and professional workshops, metal warehouses, metal construction companies, shipyards and other manufacturing companies.



COMPLETE SET



- 1 — Plasma torch with sleeve (Except for model with index WA)
- 2 — Welding cable with ABICOR BINZEL "mass" terminal (Except for model with index WA)
- 3 — Quick-release pneumatic connector for compressed air

