

StandardCUT-100-400V



1 year warranty

INVERTER PLASMA CUTTER PATON STANDARDCUT-100-400V is intended for manual cutting of metals and alloys by a plasma arc in an air stream. This device of the Standard series combines high power, ease of use, and small overall dimensions. It is powered by a 380/400V industrial network, equipped with a plasmatron protection system in case of insufficient air pressure, and a pneumatic system with two valves - for soft ignition of the arc with reduced metal spatter, and to prolong the lifespan of plasmatron consumables.



Processes



Input



Output



PARAMETERS

	StandardCUT-100-400V
Rated input voltage of mains 50Hz, V	380/400±10%
Rated input current from mains, A	20
Rated cutting current, A	100
Voltage range, V	360 ... 420
Cutting current control range, A	35 ... 100
Duty cycle, %	50% / at 100A 100% / at 70A
Maximum thickness of metal cut, mm	35
Operating air pressure range, MPa	0,48 ... 0,7
Gas flow, lpm	min. 180
Non-contact ignition unit (oscillator)	+
Pilot arc	+
No-load voltage, V	-
Plasma ignition voltage, V	270 ... 310
Rated power consumption, kVA	13,2
Maximum power consumption, kVA	16,5
Efficiency, %	90%
Cooling	Forced
Operating temperature range	-25 ... +45°C
Overall dimensions (L x W x H), mm	560 x 225 x 440
Weight without plasmatron, kg	25,8
Protection class	IP 23

ADVANTAGES

IGBT
TECHNOLOGY

PNEUMATIC
SYSTEM
WITH 2 VALVES

FORCED
COOLING

WORK WITH
WEAK POWER
NETWORKS

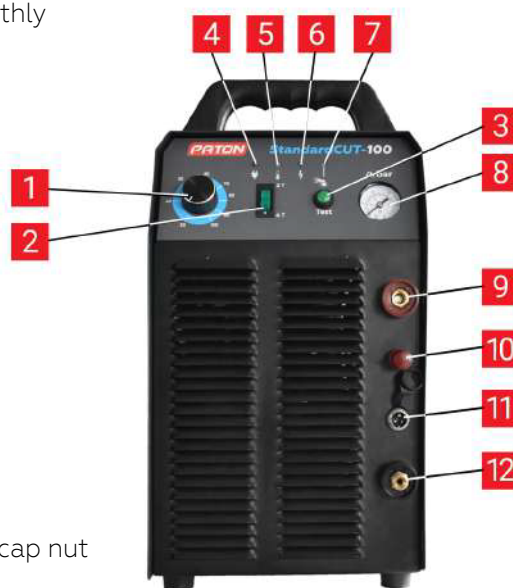
OVERVOLTAGE
PROTECTION

IP23

FRONT CONTROLS



- 1 Current regulator, which allows you to adjust the cutting current smoothly
- 2 Plasmatron button operation mode switch (2T/4T)
- 3 Air supply check button
- 4 Power supply network indicator
- 5 Device operation indicator
- 6 Signal LED: lights up red during cutting
- 7 Sufficient air pressure indicator
- 8 Air pressure gauge
- 9 Bayonet-type "+" power socket for connecting the "earth" power cable
- 10 The plasmatron pilot arc cap connector
- 11 Button control connector on the plasmatron
- 12 Bayonet-type power current "-" socket for connecting the plasmatron cap nut



APPLICATIONS

It is used for the manual cutting of metal and alloy products, up to 35 mm thick at metal depots, metal structures manufacturing companies, shipyards, and other production enterprises.



COMPLETE SET

- 1 — Plasmatron, 6 m
- 2 — 3 m welding cable with ground terminal
- 3 — Herringbone type quick disconnect for compressed air
- 4 — PATON branded corrugated box

