

SMART CUT 1250

Inverter Equipment for Plasma Cutting



Ref.: 223001250C

Code: 223001250C_FT_V0

Date: 31-05-2024

125 A
100%**Description:**

Electric plasma cutting equipment blown with compressed air. Cutting of all types of electrically conductive materials: Steel, stainless steel, aluminum, brass, etc. Inverter system with great portability and high performance.

Use:

Industrial use. Suitable for manual and automatic cutting (CNC, THC).

Cutting thickness

Cutting type	Steel	Aluminium
Separation	60 mm.	35 mm.
Quality	45 mm.	30 mm.
Gouged	Yes	
Grating	Yes	
Fit for CNC	Yes	
Max Pinning	11 mm	—

Basic technical features

Supply voltage	3 Ph. 400 V \pm 15% - 50/60 Hz
Regulation range	20 A ÷ 125 A
Duty cycle	125 A / 100%
Maximum absorbed power	23,6 Kva
Maximum cutting thickness	60 mm.
Minimum air flow needed	175 ÷ 295 L/min.
Recommended compressor	5 ÷ 6 bar
Dimensions (width x height x length)	310 x 535 X 620 mm.
Weight	37,5 Kg.

Includes

UPH-160 6 m. torch - Ref.:1603921CX
Gas hose - Cable with earth clamp

**Optional:**

Accessory kit for UPH-160 torch - Ref.: KIT UPH160
Straight UPH-160 torch - 6 m. - Ref.: 1603931CX

Main Advantages

- Electronic control of plasma arc power, ensuring stability and parameter repeatability.
- Backlit LCD screen indicating status and setpoint and measurement values.
- LED indicators for machine power and overtemperature.
- Easy operation with control panel featuring encoder and push button.
- Cutting power adjusted via rotary encoder.
- Back striking pilot arc ignition, minimizing potential interference with other equipment.
- Equipped with automation connector as standard, including voltage divider for THC (Torch Height Control) configurable in 5 modes and control signals for CNC.
- This equipment features protection against: overheating, lack of pneumatic pressure, overloads in power circuit, contact with hazardous voltages at torch head, contact between workpiece and torch nozzle, and protection against cutting without return ground.