

CUT-60Di



Quick Specs



Industrial Application:

Home workshops
Metal workshops
Light fabrication
Repair and maintenance

For These materials:

Mild Steel
Brass
Stainless Steel
Copper
Aluminum

Processes: Plasma cutting

Input Power: 230V, 1-Phase

Amperage Range: 30-60A

Rated Output at 40°C (104°F):

60A at 110V @60% Duty Cycle

Weight: 19KG

Compact, indestructible and versatile

The **CUT-60Di** manual plasma system is designed based on the full digital control system, provide excellent cutting and beveling performance on material up to 22mm thickness. This inverter based design operates for a single phase supply with 60A powerful output at 60% heavy duty cycle, set a new standard in this class.

The control system incorporates features such as auto-pilot restart, equipped with industry renowned Torch for superior durability and consumable life.

The **CUT-60Di** operates with 1 phase power supply.

Specialist Features

- **Pilot Arc for superior arc performance and easy start.**
- **HF or Non-HF Arc ignition:** reliable plasma arc initiation without high frequency.
- **Continuous Output Control:** focus the arc for different material thickness.
- **Rapid Arc Restrike:** fast cutting through gaps, even expanded metal.
- **Powerful with heavy duty: 60A @60%.**
- Recommended 10mm quality cut capacity (0.5 m/min, with optional torch).
- **2T(STD)/4T(HOLD) control mode**
- **Generator power supply friendly.**



Outstanding Quality:

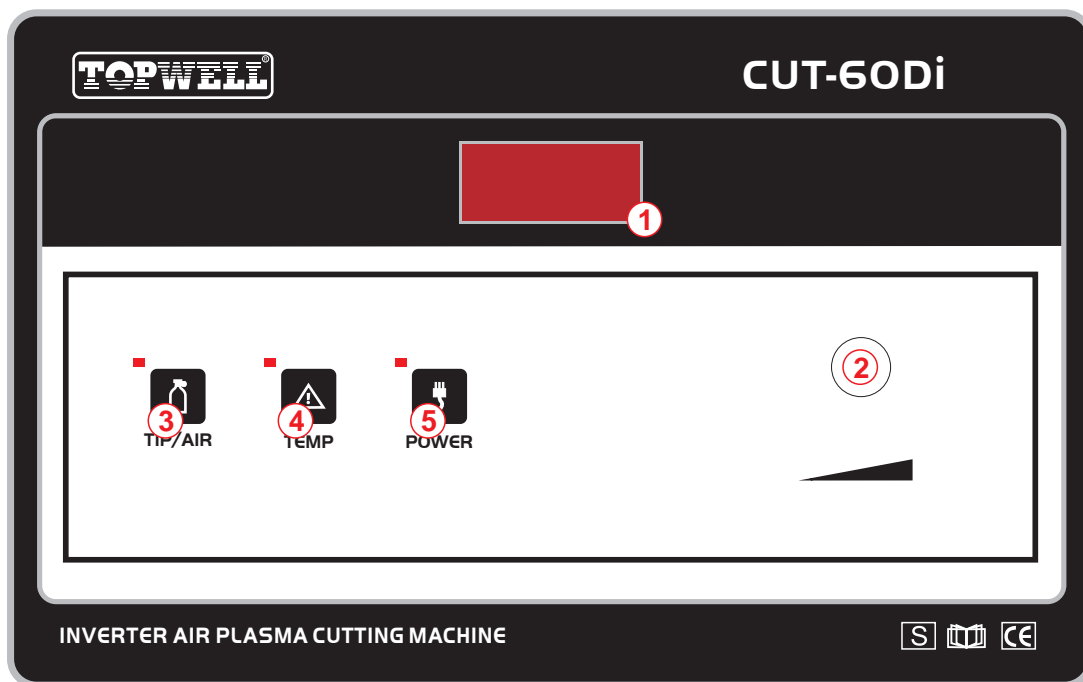
- Newly designed using the latest power electronic technology for improved reliability.
- CE Certified.
- One-Year Warranty on parts.



Technical specifications

Item No	CUT-60Di
Rated Input Voltage	1PH ~ 230V ±15%
Max. Load Power Capacity	9.7KVA
Rated Duty Cycle(40V°C, °F)	60%@60A 100%@40A
Rated Output Current	30-60A
Rated Output Voltage	104V
Rated Open-circuit Voltage	280V
Power Factor	0.8
Efficiency	80%
Required Air Pressure	0.3~0.5MPa
Quality Cutting Capacity (Hand-held)	10mm
Max Cutting Capacity (Hand-held)	20mm
Dimension (LxWxH)	540X240X480mm
Weight (KG)	19KG

General View of Control Panel



Control Panel Parameter Values

- 1. Ammeter/Voltmeter Display
- 2. Encoder Control

- 3. Gas supply problem
- 4. Over heat/Over loading
- 5. Power LED

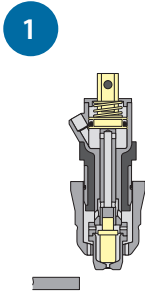
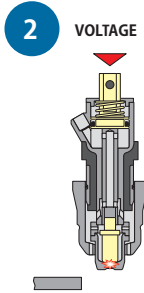
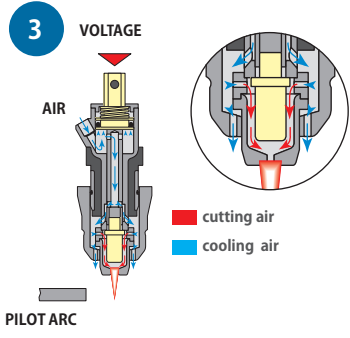
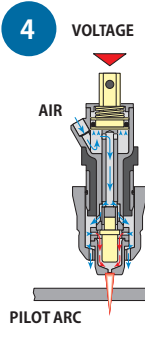
CUTTING CAPACITY

CUT-60Di

Capacity	Thickness
Quality Cutting Capacity (Hand-held)	Cutting 10mm
Max Cutting Capacity (Hand-held)	20mm

Non-HF Arc Ignition system

torches with pilot arc cut in without high frequency.

		 <p>cutting air cooling air</p>	
<p>Torch off.</p>	<p>By pressing the trigger the torch will be fed by the current thus causing a temporary short circuit between electrode and tip.</p>	<p>The air then pushes up the small piston, thus creating, between the electrode and the tip, the distance needed to strike the pilot arc.</p>	<p>By positioning the torch on the part to be cut, the plasma arc will strike.</p>

Less electromagnetic disturbance, with consequent absence of problems for any electronic, radio, television, telephone and computer systems in the vicinity of the cutting positions.

Less electric stress on the torch - and on the respective connecting cables - due to the absence of the high voltage necessary for striking the arc. Greater simplicity in comparison with other torches (without high frequency) on the market, with a consequent decrease of the risks of jamming in the mechanical pneumatic movement for striking the arc. Subject to wear (electrode, tips, nozzles, diffusers etc.), thanks to the better cooling of the torch obtained by reducing the insulating thicknesses (without endangering the safety parameters)



Video: https://www.youtube.com/watch?v=daM5Xo0IQ_4



Accessories

For Standard accessories



PLASMA torch: HT70-CB

Current: 70 Amp
 Duty Cycle: 60%
 Gas: Air
 Gas Pressure: 4.5-5.0 Bar
 Gas Flow: 130 LPM
 Ignition: HF
 Post Flow: 70 sec.recommended
 Standard Length: 6M



Earth clamp

For Optional accessories



PLASMA torch: PT-60

Current : 10-60 Amps
 Duty Cycle: 60 Amps 80%
 Gas: Air/N₂
 Gas Pressure: 65-75 psi (4.4-5.0 bar)
 Gas Flow: 320 scfh (150 lpm)
 Pilot : Electrode to Tip (18-22A)
 Ignition: Without HF