CUT-70H

Quick Specs

CE

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: 400V, 3-Phase
Amperage Range: 30-70A
Rated Output at 40°C (104°F):
70A at 115V @60% Duty Cycle
Weight: 22KG

Compact, indestructible and versatile

The **CUT-70H** 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 70A 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-70H** operates with 3 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: 70A @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:

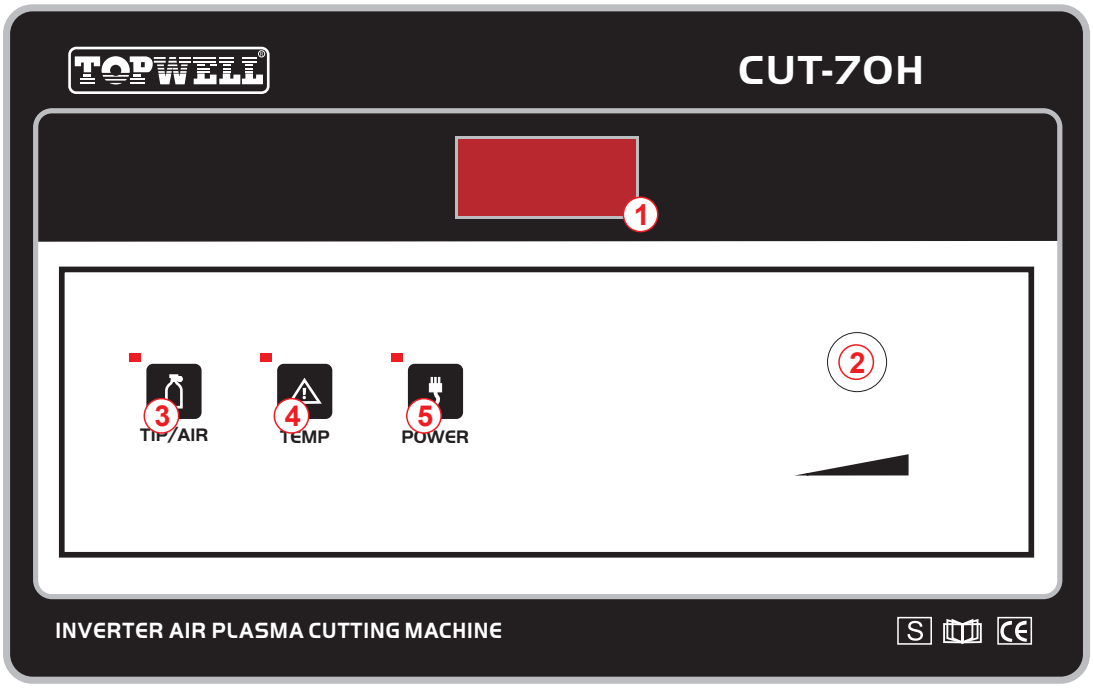
- Newly designed using the latest power electronic technology for improved reliability.
- CE Certified.
- One-Year Warranty on parts.

1 Phase 3 Phase CC

Technical specifications

Item No	CUT-70H
Rated Input Voltage	3PH ~ 400V ±15%
Max. Load Power Capacity	11.14KVA
Rated Output Current	30-70A
Rated Output Voltage	108V
Rated Duty Cycle(40℃,105℉)	60%@ 70A
	100%@ 50A
Power Factor	0.80
Efficiency	85%
Required Air Pressure	0.3~0.5MPa
Quality Cutting Capacity (Hand-held)	12mm
Max Cutting Capacity (Hand-held)	25mm
Dimension (LxWxH)	560X230X480mm
Weight (KG)	22KG

General View of Control Panel



Control Panel Parameter Values

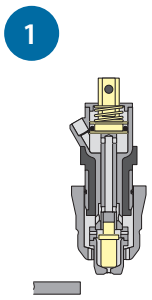
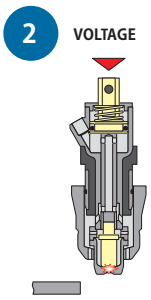
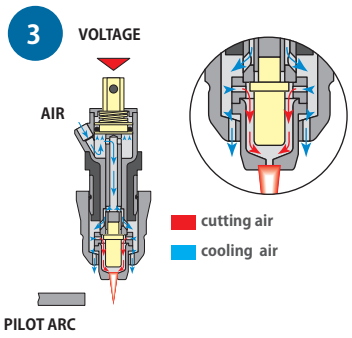
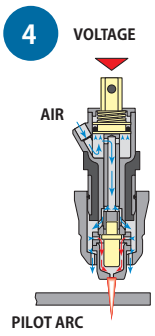
1.Ammeter/Voltmeter Display
2.Encoder Contr **o**l
3.Gas supply problem
4.Over heat/Over loading
5.Power LED

CUT PERFORMANCE

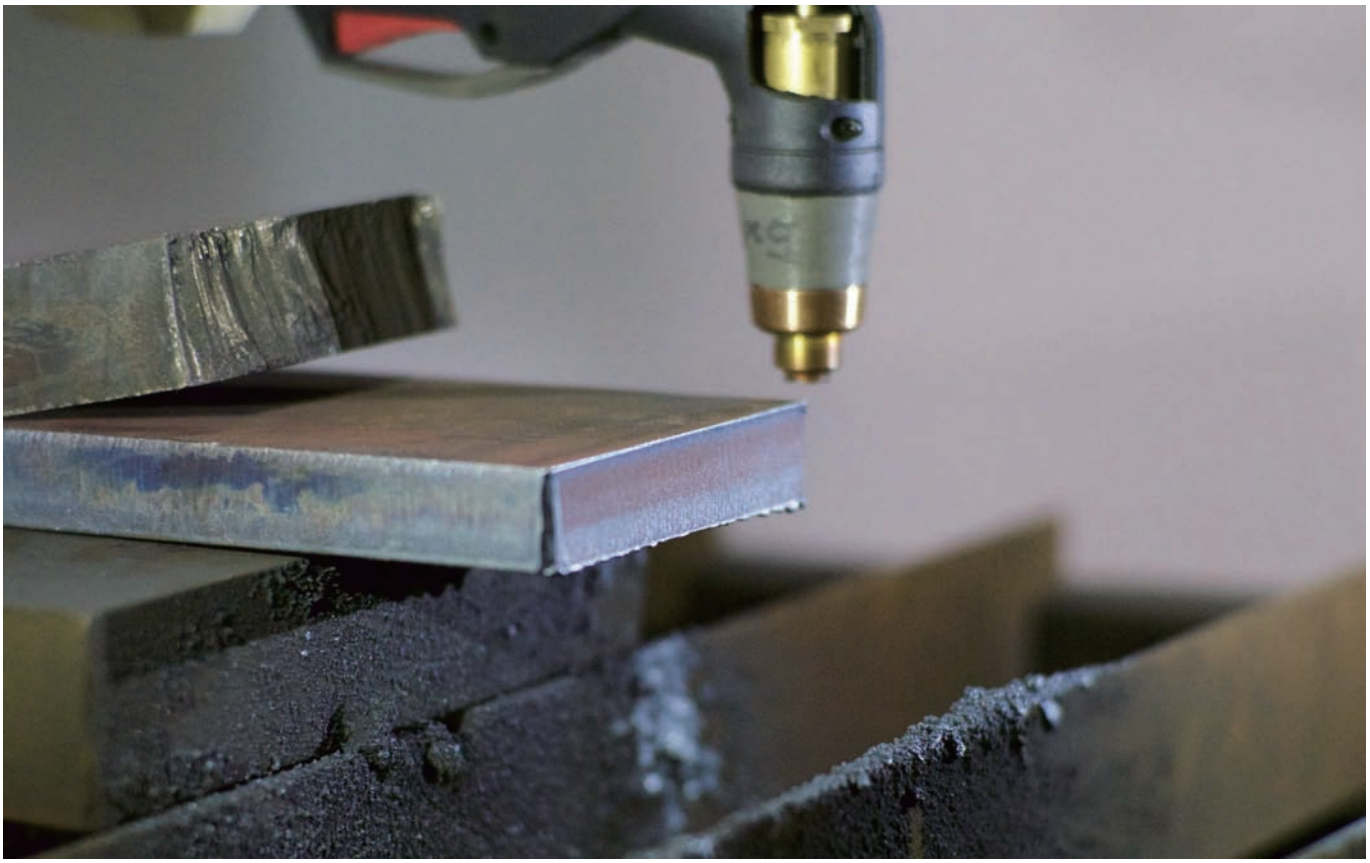
Capacity	Thickness
	Cutting
Quality Cutting Capacity (Hand-held)	12mm
Max Cutting Capacity (Hand-held)	25mm

Non-HF Arc Ignition system

torches with pilot arc cut in without high frequency.

			
Torch off.	By pressing the trigger the torch will be fed by the current thus causing a temporary short circuit betweenelectrode and tip.	The air then pushes up the small piston, thuscreating, between the electrode and the tip, the distance needed to strike the pilot arc.	By positioning the torch on the part to be cut, theplasma arc will strike.

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=daM5Xo0lQ_4

Accessories

For Standard accessories

PLASMA torch: P80
Current: 80 Amp
Duty Cycle: 60%
Gas: AIR
Gas Pressure: 4.5 - 5.0 Bar
Gas Flow: 220 LPM
Ignition: HF
Post Flow: 80 sec.recommended
Standard Length: 6M

PLASMA torch: PT80
Current : 30-80 Amps
Duty Cycle: 80 Amps 60%
Gas: Air/N2
Gas Pressure: 65-75 psi (4.4-5.0 bar)
Gas Flow: 340 scfh (160 lpm)
Pilot : Electrode to Tip (18-22A)
Ignition: Without HF

For Optional accessories

PLASMA torch: LT81
Current: 80 Amp
Duty Cycle: 60%
Gas: Air
Gas Pressure: 4.5 - 5.0 Bar
Gas Flow: 160 LPM
Ignition: HF
Post Flow: 80 sec.recommended
Standard Length: 6M