

The Most Advance

# Bardiche CUT 165I

Focused, Heavy duty, Industrial, Professional Excellent, Reliable



- The advanced IGBT module inverter technology.
- Industrial assistor for cutting middle thickness steel with stable performance.
- Digital display of cutting current on the panel.
- Current and post-gas time adjustable, extend the life of consumable parts.
- Plasma gouging and cutting function selectable.
- 2T/4T function, abundant modes to service various cutting demands.
- Standard signal output socket for CNC on the back panel.
- Gas check; make sure the air flow fluently before working.
- Intelligent protection: over-heating, over-current, over-voltage protection, convoy for the welder to keep power.

## Control panel

Simple and easy to operate, one rotary knob for plasma cutting current pre-set. Customers can easily choose the cutting current, 2T/4T, post gas time and plasma gouging.



## Base Units Include

- 1 PCS Inverter power source with junction Box.
- 1 PCS Earth clamp with cable and plug, 3M.
- 1 PCS Gas hose, 3M.
- 1 PCS Pressure regulator.
- 2 PCS CNC signal connect plug.

## Key Option

- Auto-Darkening Welding Helmet.
- Auto LT141 Plasma Cutting Torch 6M/12M.
- Manual LT141 Plasma Cutting Torch 6M/12M.

## Technical Data

ITEM	MODLE	CUT 165I
Input voltage (V)		3 Phase AC380V±15%
Frequency (Hz)		50/60
Rated input current (A)		49
Rated input power (KVA)		32.3
No load voltage (V)		370
Duty cycle (40°C)		60%
Output current (A)		40-160
Output voltage (V)		144
Post flow time (S)		10~25
Efficiency		89%
Power factor		0.93
EMC class		A
Insulation class		H
Housing protection grade		IP21
Arcing Way		HF(Untouched)
Pressure of air compressor (Kgf/cm <sup>2</sup> )		4-5.5
Limited cutting thickness (mm)		50
Recommended cutting thickness (mm)		1-40
Weight (kg)		45
Dimensions L*W*H (mm)		670×320×640

## Application specification

Recommended for 1-40mm thickness metal, limited for 50mm thickness metal,  
Suitable for Steel erection, Pipe, Fabrication, Shipbuilding, Foundries, Mild  
steel, Stainless steel, alloyed steel, etc

## Cutting current refers

Current	40A	60A	80A	100A	125A	160A
Recommended cutting thickness (mm)	1-12	1-18	1-25	1-30	1-35	1-40
Extreme cutting thickness (mm)	16	30	40	45	45	50