

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 ²)		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