

# Beta Cut 100

Three phase Air Plasma Cutting System

## Applications

- Fabrication Industry
- Maintenance
- Process Pipe work
- Sheet Metal Industry
- Service Engineers
- Fencing & Security
- Commercial Vehicle Repairs

## Processes

- Air Plasma Cutting

**Input Power:** 380v 3ph. 50/60Hz

**Cutting Capacity:** 32mm

**Output Power :**20—100 amps

**Weight:** 32Kg

**Dimensions:** 565 x 283 x 495 mm

## Beta Cut 100

Uses the latest Inverter technology to produce a Plasma Cutting machine with an industrial duty cycle. 100 amps @80% duty cycle

Ideal for the heavy Structural industry for plasma cutting and gouging

This rugged unit is capable of cutting 32mm in most metals

The infinitely variable output and digital display allows the user to accurately set the power to match the material thicknesses

Can be powered by a generator for on site situations where there is no mains power available

Comes complete with a cutting torch & cable. Air filter/regulator included in the package

Built in thermal overload protection



- **32mm Capacity**
- **High Quality**
- **Inverter Technology**
- **Industrial Duty cycle**
- **Portable**
- **Lightweight**
- **Infinitely variable**
- **Thermal overload protection**
- **Rugged Metal Construction**
- **Three Phase input**
- **CE marked & certified**

*Beta Century*

*“A new name in welding & Plasma Cutting machines backed by 70 years of experience to give you better value and reliability “*

# Beta Century

Beta Century (UK) Ltd.  
Leading Suppliers of High Technology  
Welding & Plasma Cutting Machines

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## Specifications (Subject to alteration without notice)

### Technical Information

Input power voltage (V)	AC 380V +- 15% 3ph.
Frequency (Hz)	50/60
Input Rating (KVA)	17
Open Circuit Voltage (OCV)	260
Output Current range (A)	20-100 amps
Rated Output Voltage	120
Duty Cycle (%)	100 Amps @ 80%
Arc-Starting	HF
Efficiency (%)	85
Power factor (COS $\phi$ )	0.93
Insulation Class	B
Protection Class	IP21
Weight (kg)	32
Overall dimensions (mm)	565 x 283 x 495
Max. Cutting Thickness (mm)	32
Required Air Pressure (Bar)	5.0—6.0
Compressed Air Volume	0.36 m <sup>3</sup> /min (12.72 CuFt/min)
Air Quality	Dry Compressed Air

### Warranty

This equipment is warranted against failure occurring due to faulty workmanship or materials and comes with a 2 year return to base warranty from date of purchase.

#### Package includes: -

- **Power Source**
- **Primary Cable**
- **Cutting Torch/Cable**
- **Earth return/Work Cable with clamp**
- **Air Regulator/Filter unit**
- **Starter Spares pack**

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