

# Beta Arc 160C

Arc Stick MMA Welding  
Power Source

## Applications

- Fabrication Industry
- Maintenance
- Process Pipework
- Sheet Metal Industry
- Service Engineers
- Fencing & Security
- Agriculture/Horticulture

## Processes

- Stick (MMA) Welding

**Input Power:** 240v 1ph. 50/60Hz

**Output Power Range:** 30—160amps D.C.

**Weight:** 8 Kg

**Dimensions:** 371 x 155 x 295 mm

## Beta Arc 160C

Uses the latest Inverter technology to produce a small portable, extremely lightweight welding machine with an industrial duty cycle.

Ideal for many applications where portability and space/weight requirements are restricted.

This 40% duty cycle machine is capable of MMA (Stick) welding utilising electrodes from 1.6mm to 3.2mm in most metals from mild steel, particularly for E6010 Cellulosic electrodes, through stainless steels, nickel alloys, cast irons, bronzes & aluminiums

The smooth D.C. output gives a stable arc characteristic resulting in high integrity, low spatter welds requiring minimum post weld clean up.

The infinitely variable output and digital display allows the user to accurately match the requirement of various electrodes, joint configurations and material thicknesses

Built in thermal overload protection



- **High Quality**
- **Inverter Technology**
- **Industrial Duty cycle**
- **Portable**
- **Lightweight**
- **Infinitely variable**
- **Thermal overload protection**
- **Robust High Impact Plastic Case**
- **Single Phase input**
- **CE marked & certified**

## Beta Century

*“A new name in welding 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

Beta Century (UK) Ltd. 59, Main Street, Thornor, Leeds, LS14 3BU.  
Tel: +44 (0) 113 2893118 Fax: +44 (0) 113 2893118 Mobile: +44 (0) 7917 300020  
Email: [sales@betacentury.co.uk](mailto:sales@betacentury.co.uk)  
Registered office: 3, Bull Lane, St.Ives, Cambs PE27 5AX. Company Reg. N° 5383454

## Specifications (Subject to alteration without notice)

<b>Technical Information</b>	
Input power voltage (V)	AC 230V +- 10% 1ph.
Frequency (Hz)	50/60
Input Rating (KVA)	5.3
Open Circuit Voltage (OCV)	90
Output Current range (A)	30—160
Rated Output Voltage	27
Duty Cycle (%)	160 Amps @ 40%
No-Load power (W)	40
Efficiency (%)	85
Power factor (COS $\phi$ )	0.93
Insulation Class	IP21
Weight (kg)	8
Overall dimensions (mm)	371 x 155 x 295
Diameter of electrodes	1.6mm, 2.0mm, 2.5mm, 3.2mm

### **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**
- **Welding Leads with Electrode holder, earth clamp and European standard connecting plugs**
- **Welding shield**
- **Wire Brush/Chipping hammer**

# **Beta Century**

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

Beta Century (UK) Ltd. 59, Main Street, Thornley, Leeds, LS14 3BU.  
Tel: +44 (0) 113 2893118 Fax: +44 (0) 113 2893118 Mobile: +44 (0) 7917 300020  
Email: [sales@betacentury.co.uk](mailto:sales@betacentury.co.uk)  
Registered office: 3, Bull Lane, St. Ives, Cambs PE27 5AX. Company Reg. N<sup>o</sup>: 5383454