

# RAZORWELD ARC 180

## MMA/TIG - 180 Amp DC Inverter Welder

Welds: Steels, Stainless, Cast Iron, Bronze, Copper

**Unimig**  
*RazorWeld*

## FEATURES



**MMA Stick mode - 10 ~ 180 Amps**  
**Duty Cycle 20% @ 180Amps**  
**Arc Force & Hot Start**



**Fitted with a 15AMP Plug**



**DC Lift Arc TIG mode**  
**Duty Cycle 20% @ 180Amps**



**Selectable VRD ON/OFF**  
**Voltage Reduction Device**



**Manufactured in compliance to AS/NZ60974.1**

- Latest IGBT inverter technology
- Ultra smooth DC TIG welding current
- Tolerant to variable power supplies



MMA / TIG Toggle Switch



### Technical Data

|                              |                 |
|------------------------------|-----------------|
| Power Supply / Phases (V-Ph) | 240V - 1 ±15%   |
| Rated Input Power (KVA)      | 7.2             |
| I <sub>eff</sub>             | 14A MMA         |
| Rated Output                 | 180A/25.2V MMA  |
|                              | 180A/17.2V TIG  |
| Welding Current Range        | 10~180A         |
| No-Load Voltage (V)          | 9               |
| Duty Cycle @ 40°C MMA        | 20%@180Amps     |
|                              | 100%@80.5Amps   |
| Duty Cycle @ 40°C TIG        | 20%@180Amps     |
|                              | 100%@80.5Amps   |
| Power Factor                 | 0.7             |
| Protection Class             | IP21S           |
| Insulation Class             | F               |
| Size (mm)                    | 313 x 250 x 130 |
| Weight (kg)                  | 4.7             |

ARC180CA Standard option

### Overview

The ARC180 is an inverter-based welding machine produced using the latest in IGBT technology. This machine is reliable, robust and stacked with features that you can expect from a quality welder. The DC MMA welding capability delivers a smooth and incredibly stable arc allowing easy welding with electrodes producing high quality welds including cast Iron, stainless and low hydrogen. The ARC180 is equipped with DC Lift Arc TIG function, connection of the 17V TIG torch allows quality DC TIG welding of steel, stainless steel, bronze and copper. The Lift Arc function is superb and delivers perfect arc ignition every time without any sticking of the tungsten electrode to the work piece, a remarkably smooth stable arc produces high quality TIG welds. The ARC180 is an exceptional machine that is suitable for a wide range of industrial applications including, site welding, farming, along with repair and maintenance applications. The ARC180 is packaged in a tough PVC carry case with your choice of MMA option accessories or MMA/TIG option accessories. Giving you the best of both worlds great portability, with the power to get the job done. Built to our specification and manufactured in compliance to AS/NZ60974-1

### Product Code: KUMJRRW180CA

MMA option includes: ARC180 Machine, Earth Lead & Arc Lead 16mm x 4m, PVC Carry Case

### Product Code: KUMJRRW180CT

TIG option includes: ARC180 Machine, Earth Lead & Arc Lead 16mm x 4m, 17V x 4m TIG Torch, UNI-FLAME Argon Flowmeter Regulator and PVC Carry Case



**WARRANTY**

(Power Source)

# RAZORWELD ARC 180

## MMA/TIG - 180 Amp DC Inverter Welder

Torch Spare Parts - Machine Options & Accessories

**Unimig**  
*RazorWeld*

### EARTH & ARC LEAD SETS

| Part-No      | Description                                     | Amperage |
|--------------|---|----------|
| LS16-35/50-1 | Lead Set 16mm <sup>2</sup> x 4m 35-50 Male Plug | <160     |
| LS25-35/50-1 | Lead Set 25mm <sup>2</sup> x 4m 35-50 Male Plug | <250     |



### Machine Options



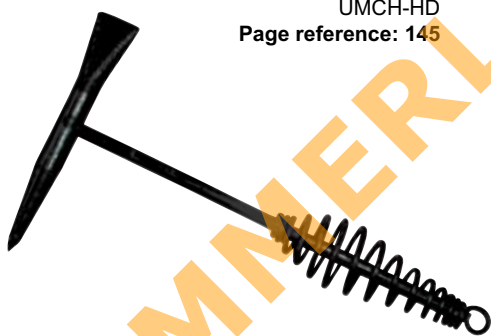
### TIG Package Option

- KUMJRRW180CT  
TIG Package Option
- Razor ARC180 Machine
  - Earth Lead & Arc Lead 16mm x 4m
  - 17V x 4m TIG Torch,
  - Argon Regulator
  - PVC Carry Case



### Chipping Hammer

UMCH-HD  
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### General Purpose Electrodes

GP E6013  
Electrodes  
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### Wire Brush

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### Automatic Welding Helmet

UMRWWH  
Razorweld Helmet  
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