

## Product Brochure For W1645

# STICK WELDER - RAZOR™ ARC 180

#KUMJRRW180CA

10-180 Amps Welding Current Range



|                                                   |                 |
|---------------------------------------------------|-----------------|
| ORDER CODE:                                       | W1645           |
| Type:                                             | STICK WELDER    |
| MODEL:                                            | RAZOR™ ARC 180  |
| Part Number:                                      | #KUMJRRW180CA   |
| Voltage / Amperage (V / amp):                     | 240 / 15        |
| Recommended Plug (amp):                           | 15              |
| Input Frequency (Hz) (Hz):                        | ~               |
| Input Current (amp):                              | ~               |
| I <sub>max</sub> (A) (amp):                       | ~               |
| I <sub>eff</sub> Current (amp):                   | 15.3            |
| Power Rating (kVA):                               | ~               |
| Rated Output Current (amp / V):                   | 180 / 27.2      |
| Range of Output Current (amp):                    | 10 - 180        |
| Arc Force (amp):                                  | ~               |
| No Load Voltage (V):                              | 9               |
| Pre-Flow (S) (sec):                               | ~               |
| Clean Width (%) (Hz):                             | ~               |
| Slope-Down Time (S) (sec):                        | ~               |
| Post-Flow Time (sec):                             | ~               |
| Base Current (%):                                 | ~               |
| Pulse Frequency (Hz):                             | ~               |
| Pulse Duty Cycle (%):                             | ~               |
| TIG Welding Thickness Range (mm):                 | ~               |
| MMA Welding Thickness Range (mm):                 | ~               |
| MMA Electrode Range (mm):                         | ~               |
| Duty Cycle 40 Deg C - TIG (% @ amp):              | 20 @ 180        |
| Duty Cycle 40 Deg C - MMA (% @ amp):              | 20 @ 180        |
| Duty Cycle 40 Deg C - Plasma (% @ amp):           | ~               |
| Plasma Severance Cut Capacity Carbon Steel (mm):  | ~               |
| Plasma Production Cut Capacity Carbon Steel (mm): | ~               |
| Plasma Production Cut Capacity Aluminium (mm):    | ~               |
| Dinse Connector:                                  | ~               |
| Protection Class:                                 | IP21S           |
| Insulation Class:                                 | F               |
| Standard:                                         | ~               |
| Remote Control (Yes / ~):                         | ~               |
| Recommended Generator (kVA):                      | ~               |
| Efficiency (%):                                   | ~               |
| Power Factor:                                     | 0.7             |
| Dimensions (mm):                                  | 320 x 120 x 310 |
| Nett Weight (kg):                                 | 4.7             |

## Description

The Razorweld 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 Razorweld ARC180 is equipped with DC TIGLift Arc 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 Razorweld ARC180 is an exceptional machine that is suitable for a wide range of applications including light industrial use, site welding, farming, along with repair and maintenance applications. The Razorweld Arc180 is packaged in a tough Military Style PVC carry case with

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your choice of MMA option accessories or MMA/TIG option accessories. The-ARC180 gives 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

### Features

- Latest IGBT inverter technology
- MMA (stick electrode)
- Hot start (improves electrode starting)
- VRD (Voltage Reduction Device)
- Arc Force:(boosts current to prevent electrode extinguishing)
- Excellent arc stability with all electrodes
- DC TIG
- Lift Arc ignition:(prevents tungsten sticking during arc ignition)
- Ultra smooth DC TIG welding current
- Thermal overload protection
- Generator compatible:(recommend 9.0 KVA minimum)
- Tolerant to variable power supplies

- 3 years warranty on power source

### Includes

- ARC180 Machine
- Earth Lead & Arc Lead 16mm x 4m
- PVC Carry Case

### Specific Features



W1645



Front View



Right View

### Recommended Accessories

#### W241

Universal Welder Trolley



#### W2415

TRI-CART Multi-Machine  
Welding Trolley



#### W10361

Magnetic TIG Torch Rest



#### W170

Air Cooled TIG Welding Torch



## Product Brochure For W1645

**W119**

Anti-Spatter Spray



**O0184**

Ar/O<sub>2</sub> - Argon 98% & Oxygen 2% Disposable Cylinder



**O0185**

CO<sub>2</sub>/Ar - 86% Argon & 14% Carbon Dioxide Disposable Cylinder



**O300**

Gas Refillable Cylinder



**O304**

Gas Refillable Cylinder



**O3045**

Gas Refillable Cylinder



**O302**

Gas Refillable Cylinder



**O306**

Gas Refillable Cylinder



**O3065**

Gas Refillable Cylinder



**O0171**

Argon Gas Regulator



**W161**

Argon Gas Regulator-Bobbin Flowmeter



**W160A**

Argon Gas Regulator-Twin Gauge



Product Brochure For W1645

**W590**

1.6mm Tig Tungsten Electrode - Zirconiated White



**W596**

2.4mm Tig Tungsten Electrode - Zirconiated White



**W597**

1.6mm Tig Tungsten Electrode - Ceriated Grey



**W598**

2.4mm Tig Tungsten Electrode - Ceriated Grey



**W002**

Auto Darken Welding Helmet - 9~13 Shade



**W1000A**

Promax HV5 Welding Jacket



**W1001A**

Promax Blue FR Welding Jacket



**W1002A**

Professional Promax BL7 Welding Jacket



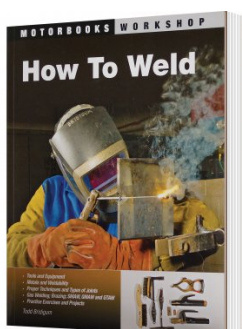
**W100**

ROGUE™ Heavy Duty Welding Gloves - 400mm



**L3456**

How to Weld Book



**W225**

Welding Curtain



**W125**

Ø1.6mm TIG Filler Rod - Mild Steel



## Product Brochure For W1645

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### W126

Ø2.4mm TIG Filler Rod - Mild Steel



### W127

Ø1.6mm TIG Filler Rod - Stainless Steel



### W128

Ø2.4mm TIG Filler Rod - Stainless Steel

