

Product Brochure For W166

DC TIG & MMA (ARC) Inverter Welder - Razorweld 180

#KUMJRRW1801

0-180 Amps Welding Current Range



ORDER CODE:	W166
Type:	DC Inverter Welder
MODEL:	Razorweld 180
Part Number:	KUMJRRW180
Voltage / Amperage (V / amp):	240 / 15
Recommended Plug (amp):	15
Input Frequency (Hz) (Hz):	~
Input Current (amp):	~
I _{max} (A) (amp):	~
I _{eff} Current (amp):	15.3 amp
Power Rating (kVA):	~
Rated Output Current (amp / V):	180 / 27.2 - MMA
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):	50 @ 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):	7
Efficiency (%):	~
Power Factor:	0.7
Dimensions (mm):	313 x 130 x 250
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 TIG Lift 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 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

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Features

- Single PCB construction
- MMA
- VRD (Voltage Reduction Device)
- - Hot start (improves electrode starting)
- - 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
- IP21S rating for environmental/safety protection
- Generator compatible (recommend 9.0 KVA minimum)
- Auto-compensation for voltage fluctuation
- Minimal harmonic feedback to power grid

Includes

- Arc 180DC machine
- Earth Lead & Arc Lead 16mm x 4M
- Carry Case

Optional Accessories

- REG - Twin Gauge Argon Regulator
- 17V TIG Welding Torch - 17V 4 & 8 Metre Air Cooled TIG Welding Torch
- 4 Metre 16mm Lead Set 35/50 Connector



Specific Features



Front View



Shown with Leads



Carry Bag

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Recommended Accessories

W241

Universal Welder Trolley



W2415

TRI-CART Multi-Machine
Welding Trolley



W170

Air Cooled TIG Welding Torch



W119

Anti-Spatter Spray



O0184

Ar/O₂ - Argon 98% & Oxygen
2% Disposable Cylinder



O0185

CO₂/Ar - 86% Argon & 14%
Carbon Dioxide Disposable
Cylinder



O300

Gas Refillable Cylinder



O304

Gas Refillable Cylinder



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O3045

Gas Refillable Cylinder



O302

Gas Refillable Cylinder



O306

Gas Refillable Cylinder



O3065

Gas Refillable Cylinder



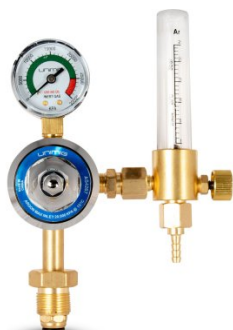
O0171

Argon Gas Regulator



W161

Argon Gas Regulator-Bobbin Flowmeter



W160A

Argon Gas Regulator-Twin Gauge



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



W100

ROGUE™ Heavy Duty Welding Gloves - 400mm



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W001

Auto Darken Welding Helmet -
9-13 Shade



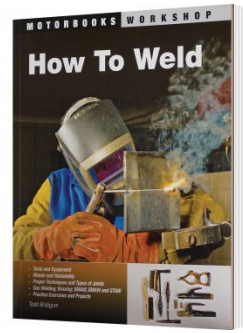
W002

Auto Darken Welding Helmet -
9-13 Shade



L3456

How to Weld Book



W225

Welding Curtain



W125

Ø1.6mm TIG Filler Rod - Mild
Steel



W126

Ø2.4mm TIG Filler Rod - Mild
Steel



W127

Ø1.6mm TIG Filler Rod -
Stainless Steel



W128

Ø2.4mm TIG Filler Rod -
Stainless Steel

