Sydney: (02) 9890 9111
Brisbane: (07) 3715 2200
Melbourne: (03) 9212 4422
Perth: (08) 9373 9999
Adelaide: (08) 9373 9969
sales@machineryhouse.com.au
www.machineryhouse.com.au

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):	~
Imax (A) (amp):	~
Ieff 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 (%) (%):	~
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
Efficency (%):	~
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 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 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

Sydney: (02) 9890 9111
Brisbane: (07) 3715 2200
Melbourne: (03) 9212 4422
Perth: (08) 9373 9999
Adelaide: (08) 9373 9969
sales@machineryhouse.com.au
www.machineryhouse.com.au

Product Brochure For W166

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

Sydney: (02) 9890 9111
Brisbane: (07) 3715 2200
Melbourne: (03) 9212 4422
Perth: (08) 9373 9999
Adelaide: (08) 9373 9969
sales@machineryhouse.com.au
www.machineryhouse.com.au

Recommended Accessories

W241
Universal Welder Trolley



W2415
TRI-CART Multi-Machine Welding Trolley



W170
Air Cooled TIG Welding Torch



W119
Anti-Spatter Spray



O0185
CO2/Ar - 86% Argon & 14% Carbon Dioxide Disposable Cylinder



O300
Gas Refillable Cylinder



O304
Gas Refillable Cylinder



O3045
Gas Refillable Cylinder



Sydney: (02) 9890 9111
Brisbane: (07) 3715 2200
Melbourne: (03) 9212 4422
Perth: (08) 9373 9999
Adelaide: (08) 9373 9969
sales@machineryhouse.com.au
www.machineryhouse.com.au

Product Brochure For W166

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



W001
Auto Darken Welding Helmet - 9~13 Shade



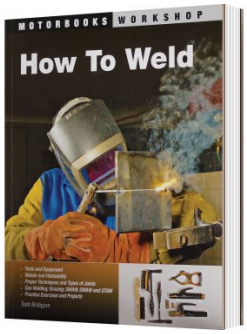
Sydney: (02) 9890 9111
Brisbane: (07) 3715 2200
Melbourne: (03) 9212 4422
Perth: (08) 9373 9999
Adelaide: (08) 9373 9969
sales@machineryhouse.com.au
www.machineryhouse.com.au

Product Brochure For W166

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

