

Product Brochure For W172

AC/DC Inverter TIG/MMA (ARC) Welder - RAZOR DIGITAL PULSE AC/DC 200

#KUMJRRWZ200AC/DC

10-200 Amps Welding Current Range



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|---|---------------------------------|
| ORDER CODE: | W172 |
| Type: | AC/DC Inverter Welder |
| MODEL: | RAZOR Digital 200 AC/DC |
| Part Number: | #KUMJRRWZ200AC/DC |
| Voltage / Amperage (V / amp): | 240 / 15 |
| Recommended Plug (amp): | 15 |
| Input Frequency (Hz) (Hz): | 50 |
| Input Current (amp): | ~ |
| Imax (A) (amp): | ~ |
| Ieff Current (amp): | 15 |
| Power Rating (kVA): | 6.0 |
| Rated Output Current (amp / V): | ~ |
| Range of Output Current (amp): | 10 - 200 - TIG & 10 - 160 - MMA |
| Arc Force (amp): | 0 - 40 |
| No Load Voltage (V): | 68 |
| Pre-Flow (S) (sec): | 0 - 3 |
| Clean Width (%) (%): | ~ |
| Slope-Down Time (S) (sec): | 0 - 15 |
| Post-Flow Time (sec): | 0.5 - 15 |
| Base Current (%): | ~ |
| Pulse Frequency (Hz): | 0.2 - 200 |
| Pulse Duty Cycle (%): | 10 - 90 |
| TIG Welding Thickness Range (mm): | ~ |
| MMA Welding Thickness Range (mm): | ~ |
| MMA Electrode Range (mm): | ~ |
| Duty Cycle 40 Deg C - TIG (% @ amp): | 25 @ 200 |
| Duty Cycle 40 Deg C - MMA (% @ amp): | 30 @ 160 |
| 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: | B |
| Standard: | ~ |
| Remote Control (Yes / ~): | ~ |
| Recommended Generator (kVA): | 9 |
| Efficiency (%): | 85 |
| Power Factor: | 0.70 |
| Dimensions (mm): | 426 x 162 x 326 |
| Nett Weight (kg): | 10 |

Description

RAZOR DIGITAL 200 AC/DC TIG/MMA - Digital Inverter Welder

Welds: Aluminium, Magnesium, Zinc Alloys, Steels, Stainless, Cast Iron, Bronze, Copper

The RAZOR200ACDC is a Digital Controlled Square Wave AC/DC TIG inverter welder. Intelligent digital control of the main functions are realised by software providing ease of operation and high accuracy, software upgrade is possible by simple download function. Full TIG functionality, offering simple step by step digital control of functions and parameters providing complete professional control. HF arc ignition provides pre-gas with instant arc ignition leaving no tungsten inclusion or contamination of the tungsten electrode. Digital set of Pre Gas Time, Start Current, Up Slope and Down Slope Time, Finish Current Level and Post Gas Time with the choice of 2T or 4T trigger function allows control of the welding process at a professional level from start to finish. Digital Pulse Control gives full parameter setting of Peak & Base Current, Pulse Frequency & Pulse Width providing control of heat input, penetration & distortion. AC Square Wave Balance gives control of the electron flow at the tungsten, the AC Tig arc can be adjusted from maximum oxide-layer cleaning on aluminium through to a deeper

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penetrating weld.

Remote Control Interface provides optional remote amperage control at the torch or foot-pedal control. DC MMA welding delivers a smooth and stable arc for easy welding of electrodes producing high quality welds including cast Iron, stainless and low hydrogen. Arc Ignition and Arc Force control allows you to set the ideal arc condition no matter what electrode you choose. Optimised auto protection of the power input provides auto shut down of the machine when large scale fluctuations occur. Unique air channel design increases the heat dissipation of the power device, control circuits, minimises dust absorption, thereby greatly improving longevity and reliability.

RAZOR200ACDC is the new standard for 240V AC/DC welders making it the ideal choice for experienced or novice welders of Aluminium, Stainless and Steel materials. Built to our specification and manufactured in compliance to AS/NZ60974.1

Features

- Latest 43KHz Inverter Technology
- AC/DC HF TIG/MMA Function
- Arc Ignition HF Oscillation
- AC Square Wave 20 - 250Hz
- AC Balance Control Adjustable
- Pulse Frequency 0.2 - 200Hz
- Pulse Width 10 - 90%
- Base Current 5 - 200A
- Up Slope 0 -10 sec
- Down Slope 0 -15 sec
- Pre Gas 0 - 3 sec
- Post Gas 0.5 -15 sec
- Trigger Function 2/4T-Spot

- MMA
- Arc Ignition Current Automatic
- Arc Ignition Time Automatic
- Arc Force Current 0 - 40A
- Remote Amperage Foot & Hand Control

Includes

- Razor 200 AC/DC Machine
- SR26-4M TIG Torch
- Argon Regulator
- Arc & Earth Lead



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Recommended Accessories

W241
 Universal Welder Trolley



W2415
 TRI-CART Multi-Machine
 Welding Trolley



W10361
 Magnetic TIG Torch Rest



W171
 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



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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



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



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W001
 Auto Darken Welding Helmet -
 9-13 Shade



W002
 Auto Darken Welding Helmet -
 9-13 Shade



W1000A
 Promax HV5 Welding Jacket



W1001A
 Promax Blue FR Welding Jacket



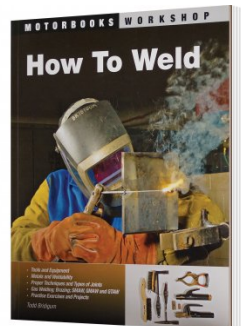
W1002A
 Professional Promax BL7
 Welding Jacket



W100
 ROGUE™ Heavy Duty Welding
 Gloves - 400mm



L3456
 How to Weld Book



W225
 Welding Curtain



W125
 Ø1.6mm TIG Filler Rod - Mild
 Steel



W126
 Ø2.4mm TIG Filler Rod - Mild
 Steel



W127
 Ø1.6mm TIG Filler Rod -
 Stainless Steel



W128
 Ø2.4mm TIG Filler Rod -
 Stainless Steel

