

Product Brochure For W1721

- RAZOR 200 AC/DC TIG WELDER High Frequency

#KUM-M-RTIG200ACDC

10-200 Amps Welding Current Range



ORDER CODE:	W1721
Type:	TIG WELDER
MODEL:	RAZOR™ 200 AC/DC
Part Number:	#KUM-M-RTIG200ACDC
Voltage / Amperage (V / amp):	240 / 15
Recommended Plug (amp):	15
Input Frequency (Hz) (Hz):	50
Input Current (amp):	~
I _{max} (A) (amp):	~
I _{eff} 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 (%):	5 - 200
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
- T2 TIG Torch with Flex-Neck - 4M
- Argon Regulator
- Arc & Earth Lead

Specific Features



Side View

Front View

Right View

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Recommended Accessories

W241
 Universal Welder Trolley



W2415
 TRI-CART Multi-Machine
 Welding Trolley



W501A
 M350 MIG Torch Consumables
 Starter Kit



W504A
 T2 Tig Torch Consumable Pack



W10361
 Magnetic TIG Torch Rest



W119
 Anti-Spatter Spray



O0184
 Ar/O₂ - Argon 98% & Oxygen
 2% Disposable Cylinder



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



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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



W5991
 Ø10mm Ceramic Nozzle



W5993
 1.6mm Collet Body



W5994
 2.4mm Collet Body



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W5996
 Head Gasket



W5997
 Heat Isolator



W5998
 Long Black Cap



W5999
 Short Back Cap



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



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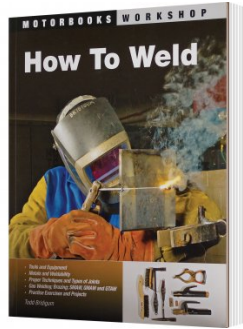
W100

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

