

RAZORWELD TIG200CRZ AC/DC

TIG/MMA 200 Amp 230V AC/DC Inverter Welder

Intelligent Digital Control, 43KHz Inverter



Features

- Latest 43KHz inverter frequency technology
- AC/DC TIG
 - HF Arc Ignition
 - Adjustable AC Square Wave frequency 20~250Hz
 - Adjustable AC Balance control +/- 10
 - Adjustable Pulse Frequency control 0.2~200Hz
 - Adjustable Pulse % 1~99%
 - Adjustable Start Current 5~160A
 - Adjustable Base Current 20~200A
 - Adjustable Up Slope 0~10 sec
 - Adjustable Down Slope 0~15 seconds
 - Adjustable Pre Gas 0.1~3 seconds
 - Adjustable Post Gas 0.5~15 seconds
 - Trigger control 2/4T-Spot
 - Remote Amperage Control - Optional
- MMA (stick electrode)
 - Adjustable Arc Force (adjusts arc energy to suit electrode application)
 - Excellent arc stability with all electrodes
- Tolerant to variable power supply



XA-TIG200CRZ ACDC
Standard Package



Optional machine accessories available - refer page 24

Technical Data

Power Supply	240V 1-Phase ±15%
Rated Input Power	6.0 kVA
I_{eff} as per AS/NZ60974-1	15.0 Amps
Rated Output	10~160A/26.4V MMA 5~200A/18.0V TIG
No Load Voltage	62V
Duty Cycle @ 40°C as per AS/NZ60974-1	30% @ 160 Amps MMA 25% @ 200 Amps TIG
Duty Cycle @ 25°C (approximate)	60% @ 160 Amps MMA 55% @ 200 Amps TIG
Efficiency	85%
Power Factor	0.70
Protection Class	IP21S
Insulation Class	B
Dimensions (LxWxH)	410 x 162 x 326mm
Weight	10.5 Kg
Certification Approval	AS/NZ60974-1

Overview

The Razorweld TIG200CRZ ACDC from Xcel-Arc is a new generation AC/DC-TIG inverter welding machine with HF Arc Ignition, full Pulse capability and MMA (stick electrode) welding function. Built using the latest 43KHz IGBT inverter technology, this machine offers outstanding arc characteristics and an incredibly smooth Square Wave AC-TIG welding current with adjustable AC Balance control. The Digital Weld Program Sequence Control provides a complete range of TIG functionality using intelligent MCU software, providing a high degree of accuracy whilst being simple to use. Adjustable pre-sets include Pre-Gas time, Start Current, Up and Down Slope times as well as Finish Current level and Post-Gas time. 2/4T Trigger function gives you flexibility over controlling the start and finish of the weld process. Adjustable TIG-AC Frequency allows for adjustment of the arc condition and penetration profile to suit any job, making this machine an ideal choice for TIG welding of aluminium alloys. Digital Pulse parameter pre-sets include Peak & Base welding current; Pulse Frequency & Pulse Width, providing better heat control into the work to help minimize distortion. The Remote Control Interface provides for connection of remote amperage control via either optional Torch Remote or Foot Pedal. MMA welding function delivers a smooth, stable arc with high quality welds, an adjustable Arc Force allows you to set the ideal arc condition no matter what type of electrode. Weighing only 10.5kg, the machine is highly portable and perfect for the workshop and site welding situations. The TIG200CRZ ACDC sets a new benchmark for 230V AC/DC TIG welders and is ideal for high-end aluminium and stainless steel fabrication, marine and industrial engineering. Designed and built to our specification and manufactured in compliance to AS/NZ60974-1.

Product Code: XA-TIG200CRZ ACDC-T3

Standard Package includes: XA-TIG200CRZ ACDC Machine, ARC T3FX Flexi-Neck Tig Torch x 4m, Earth Lead & Arc Lead 25mm x 4m, Argon Regulator