



VIPER TIG180ACDC

TIG/MMA - 180 Amp AC/DC Inverter Welder

Welds: Steels, Stainless, Cast Iron, Bronze, Copper



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TIG/MMA 180 Amp 230V AC/DC Inverter Welder
HF Start, 2T/4T, Pulse, Up/Downslope, Post Gas
Approved Domestic 10 Amp Plug Power Supply



Features

- Latest 43KHz inverter frequency technology
- AC/DC TIG
 - HF Arc Ignition
 - Adjustable AC Square Wave frequency 20~250Hz
 - Adjustable AC Balance control -10-0-10+
 - Adjustable Pulse Frequency control 0.2~200Hz
 - Adjustable Pulse Width % 1~99%
 - Adjustable Start Current 5~180A
 - Adjustable Base Current 5~180A
 - Adjustable Up Slope 0~10 sec
 - Adjustable Down Slope 0~15 seconds
 - Adjustable Pre Gas 0.1~10 seconds
 - Adjustable Post Gas 0.5~15 seconds
 - Trigger control 2/4T-Spot
 - Remote Amperage Control - Optional
- MMA (stick electrode)
 - Adjustable Arc Force
 - Excellent arc stability with all electrodes
- Tolerant to variable power supply



10 AMP



XA-TIG180V ACDC
Standard Package



Optional machine accessories available - refer page 24

Technical Data

Power Supply	240V 1-Phase ±15%
Rated Input Power	5.7 kVA
I _{eff} as per AS/NZ60974-1	8.0 Amps
Rated Output	130 Amps / 25.2V MMA 180 Amps / 17.2V TIG
Welding Current Range	10 ~ 130 Amps MMA 05 ~ 180 Amps TIG
No Load Voltage (OCV)	70V
Duty Cycle @ 40°C as per AS/NZ60974-1	15% @ 130 Amps MMA 15% @ 180 Amps TIG
Duty Cycle @ 25°C (approximate)	40% @ 130 Amps MMA 40% @ 180 Amps TIG
Protection Class	IP21S
Insulation Class	B
Dimensions (LxWxH)	502 x 218 x 382mm
Weight	12.8 Kg
Certification Approval	AS/NZ60974-1

Overview

The Viper TIG180V ACDC from Xcel-Arc is a 180 Amp inverter welding machine with a primary function of AC/DC-TIG with HF Arc Ignition, Pulse capability and the added convenience of MMA (stick electrode) welding function. This machine has superb arc characteristics, true Square Wave AC-TIG welding current with adjustable AC Balance control. A full range of TIG functionality is realised via a simple to use Digital Control panel. Adjustable pre-sets include Pre-Gas time, Start Current, Up Slope and Down Slope time as well as Finish Current and Post-Gas time also 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 control of heat input into the work and minimize distortion. The Remote Control Interface provides for connection of remote amperage control via either optional Torch Remote or Foot Pedal. The MMA welding function delivers a smooth and stable arc allowing high quality welds and adjustable Arc Force allows you to set the ideal arc condition no matter what type of electrode you choose. The Viper TIG180V ACDC sets a new benchmark of affordability while maintaining quality and is ideal for aluminium and stainless steel fabrication. Designed and built to our specification and manufactured in compliance to AS/NZ60974-1.

Product Code: XA-TIG180V ACDC-T2

Standard Package includes: XA-TIG180ACDC Machine, ARC T2FX Flexi-Neck Tig Torch x 4m, Earth Lead & Arc Lead 25mm x 4m, Argon Regulator