

VIPER ARC160

Entry Level Inverter Welder

230V Single Phase 160 Amp DC Welder MMA/TIG

Small, Lightweight and Portable

Features

- Modern IGBT inverter technology
- MMA (stick electrode)
 - Hot start (improves electrode starting)
 - Arc Force (boosts current to prevent electrode extinguishing)
 - Excellent arc stability with all electrodes
- DC-TIG
 - Basic DC-TIG with Scratch Start
- Thermal overload protection
- IP21S rating for environmental/safety protection
- Generator compatible (recommend 8.0 kVA minimum)
- Tolerant to variable power supply



XA-VA160
Standard Package



Optional machine accessories available - refer page 16

Technical Data

Power Supply	240V 1-Phase ±15%
Rated Input Power	8.0 kVA
I_{eff} as per AS/NZ60974-1	12.5 Amps
Rated Input Current	27.4 Amps
Rated Output	160 Amps / 26.4V
Welding Current Range	20~160 Amps
No-Load Voltage (OCV)	62.9V
Duty Cycle @ 40°C as per AS/NZ60974-1	15% @ 160 Amps
@ 25°C (approximate)	40% @ 160 Amps
Efficiency	85%
Power Factor	0.63
Protection Class	IP21S
Insulation Class	F
Dimensions (LxWxH)	295 x 135 x 270mm
Weight	4.0 Kg
Warranty	12 Months (machine only)
Certification Approval	AS/NZ60974-1

Overview

The VIPER ARC160 from Xcel-Arc is a new generation, low cost welding machine produced using modern IGBT inverter technology. Designed to meet the needs of the price conscious non-commercial user without compromising on quality, this machine is as reliable and robust as you would expect a machine bearing the Xcel-Arc name to be. The DC MMA welding function delivers a smooth and incredibly stable arc allowing easy welding with electrodes producing high quality welds including cast Iron, stainless steel and low hydrogen. Connection of the optional XA17V Tig torch allows basic scratch-start DC-TIG welding of steel, stainless steel, bronze and copper. The unique electronic design structure and air channel design in this machine speeds up heat dissipation, improving the duty cycle of the machine and reducing dust ingestion by the fan, thereby improving the reliability of the machine. The VIPER ARC160 is an exceptional machine for the price and is suitable for a wide range of applications including light fabrication, farming and whatever else a Kiwi bloke might be working on in his shed. The VIPER ARC160 offers great portability with enough power to get the job done at a great price. Designed and built to our specification and manufactured in compliance to AS/NZ60974-1.

Product Code: XA-VA160

Standard Package includes: VIPER ARC160 Machine, Earth Lead & Arc Lead 16mm x 2.5m