

# VIPER ARC140

Entry Level Inverter Welder  
230V Single Phase 140 Amp DC Welder MMA/TIG  
Approved Domestic 10 Amp Plug Power Supply

## 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 6.5 kVA minimum)
- Tolerant to variable power supply
- Fitted with and approved to use domestic 10 amp plug



XA-VA140  
Standard Package



Optional machine accessories available - refer page16

## Technical Data

Power Supply	240V 1-Phase $\pm 15\%$
Rated Input Power	6.5 kVA
$I_{eff}$ as per AS/NZ60974-1	10.0 Amps
Rated Input Current	27.4 Amps
Rated Output	140 Amps / 25.6V
Welding Current Range	20~140 Amps
No-Load Voltage (OCV)	68V
Duty Cycle @ 40°C as per AS/NZ60974-1	15% @ 140 Amps
@ 25°C (approximate)	40% @ 140 Amps
Efficiency	85%
Power Factor	0.65
Protection Class	IP21S
Insulation Class	F
Dimensions (LxWxH)	295 x 135 x 270mm
Weight	3.8 Kg
Warranty	12 Months (machine only)
Certification Approval	AS/NZ60974-1

## Overview

The VIPER ARC140 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 ARC140 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 ARC140 offers great portability with the power to get the job done and with the convenience of being fitted with a 10 amp domestic plug. Designed and built to our specification and manufactured in compliance to AS/NZ60974-1.

## Product Code: XA-VA140

Standard Package includes: VIPER ARC140 Machine, Earth Lead & Arc Lead 16mm x 2.5m