

# KUMJRVA160

**1** YEAR Warranty  
(Power Source)



160AMP DC INVERTER ARC WELDER

Approved Domestic Power Supply 10 Amp 240V Single Phase 160 Amp DC Welder Small, Lightweight and Portable

## Features

- Latest 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 Scratch TIG - Scratch Arc Ignition, basic DC TIG application
- Thermal overload protection
- IP21S rating for environmental/safety protection
- Generator compatible (recommend 6.5 KVA minimum)
- Tolerant to variable power supplies
- Fitted with and approved to use domestic 10 amp plug



## Technical Data

Supply / Phases (V-Ph)	240V - 1 ±15%
Rated Input Power (KVA)	6.49
ieff (Amps)	10.0A
Rated Input Current (A)	27.4
Rated Output	140A/25.6V
Welding Current Range	20~160A
No-Load Voltage (V)	68
Duty Cycle @ 40°C as per AS/NZ60974	15%@160Amps MMA
Efficiency (%)	85
Power Factor	0.65
Protection Class	IP21S
Insulation Class	F
Size (mm) with handle	(LxWxH) 295 x 135 x 270
Weight (kg)	3.8
Warranty	12 months machine only
Certification Approval	AS/NZ60974-1



## Overview

The VIPER 160 is a new generation, low cost welding machine produced using the latest in 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 UNIMIG 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. The VIPER 160 is also equipped with DC Scratch Start TIG capability and connection of the 17V TIG torch allows DC TIG welding of steel, stainless steel, bronze and copper. The unique electronic design structure and air channel design in this machine speeds up the heat disipation of the power device improving the duty cycle of the machine. The unique air channel design also effectively reduces dust ingestion by the fan, dust build up and absorbtion by the electronic circuits and power device is minmised thereby improving the reliability of the machine. The VIPER 160 is an exceptional machine for the price and is suitable for a wide range of applications including light fabrication and farming. The VIPER 160 offers great portability with the power to get the job done and with the convenience of being fitted with a 10 amp domestic plug. Manufactured in compliance to AS/NZ60974.1.

## Product Code: KUMJRVA160

Standard Package includes: VIPER 160 Machine, Earth Lead & Arc Lead 16mm x 2.5m