

VIPER MIG165 FEATURES

MIG/TIG/STICK - 165 Amp DC Inverter Welder

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



VIPER SYNERGIC MIG165 Easy Set Synergic MIG Welder 230V - 165 Amp DC Welder MIG/TIG/MMA



Features

- Modern IGBT inverter technology
- Synergic MIG Programs
 - Simple selection of wire size & type
 - Turn amperage up or down to suit the job
- Standard MIG with Gas and Gasless capability
 - Stepless voltage and wire feed control
 - Excellent welding with CO₂ gas
 - Euro style Mig Torch connection
- DC-TIG
 - Lift Arc ignition (prevents tungsten sticking during arc ignition)
 - Ultra smooth DC-TIG welding current
- MMA (stick electrode)
 - Excellent arc stability with all electrodes
- Thermal overload protection
- IP21S rating for environmental/safety protection
- Tolerant to variable power supply



10 AMP



XA-MIG165V
Standard Package



Optional machine accessories, Tig Torch Kits
available - refer www.xcelarc.nz

Technical Data

Power Supply	230V 1-Phase ±15%
Rated Input Power	5.9 kVA
I _{ieff}	as per AS/NZ60974-1
I _{Max}	9.8 Amps
Output Current Range MIG	31.8 Amps
TIG	30A/15.5V - 165A/22.3V
MMA	20A/10.8V - 160A/16.4V
Duty Cycle @ 40°C as per AS/NZ60974-1	20A/20.8V - 140A/25.6V
Duty Cycle @ 25°C (approximate)	10% @ 165 Amps MIG
	10% @ 160 Amps TIG
	10% @ 140 Amps MMA
	25% @ 165Amps MIG
	25% @ 160Amps TIG
	25% @ 140Amps MMA
Power factor	0.72
Protection Class	IP21S
Insulation Class	H
Wire Spool Capacity	5 kg (Ø 200mm)
Wire Diameter Range (mm)	0.6, 0.8, 0.9, 1.0
Dimensions (LxWxH)	500 x 210 x 385mm
Weight	10.0 kg
Certification Approval	AS/NZ60974-1

Overview

The VIPER 165 is a fantastic three in one machine that lets you perform MIG, TIG and STICK welding all with one machine. The clever Synergic MIG control takes the guesswork out of your MIG settings, just select your wire size and wire type then simply turn the heat up or down to suit. The Synergic program works with mild steel, stainless steel, flux-cored and aluminium wires. The standard MIG function provides step-less adjustment of voltage and wire feed or easy setting of welding parameters giving excellent welding results. This machine supports both gas-shielded and gasless MIG wire. The Euro torch connection allows for easy connection of the MIG torch. Connection of a 17V TIG torch provides quality DC TIG with Lift Arc start for welding of steel, stainless steel and copper. MMA welding capability delivers easy stick electrode welding with high quality results, including cast iron and stainless. Supplied with 10 amp power plug gives great versatility making it a machine that can be used almost anywhere, it's perfect for the DIY home workshop welder or the professional welder.

Product Code: XA-MIG165V-K

Standard Package includes: VIPER MIG165 Welding Machine, XA15 Mig Torch x 3m, Earth Lead & Arc Lead x 3m, Argon Regulator