

VIPER TIG 180 AC/DC FEATURES



FEATURES

- 10 AMP Plug
- AC/DC H/F TIG & PULSE TIG
 - Pre Gas 0.1 - 3.0 sec
 - Start Amperage 5 - 160A
 - Up Slope 0 - 10 sec
 - Peak Amp 5 - 180A
 - AC Square Wave 20 - 250Hz
 - AC Balance Control ± 10
 - Down Slope 0 - 15 sec
 - Adjustable Finish Amperage 5 - 180A
 - Post Gas 0.5 - 15.0 sec
- STICK (MMA) with ARC FORCE
- Thermal overload protection
- IP21S rating for environmental/safety protection
- Generator compatible (recommend KVA minimum)
- VRD (Voltage Reduction Device)
- Foot Control Ready

OVERVIEW

The VIPER TIG 180 AC/DC is the perfect AC/DC TIG & STICK Welder for the DIY Enthusiast wanting both AC and DC TIG welding capabilities at an affordable price. Fitted with a 10 AMP Plug, this machine excels in the home workshop.

The VIPER TIG 180 AC/DC allows for full control over the TIG welding process to ensure you can maximise your results from start to finish. Controllable parameters include Pre Gas Time, Start Current, Up Slope and Down Slope Time, Finish Current Level and Post Gas Time, among many others.

The all-new ARC TORCHOLOGY T2 TIG Torch comes standard with the VIPER TIG 180 AC/DC, offering up to 30% more power and longer consumable life-cycles. A Remote Foot Control (UTJRFC-4) can also be plugged into the machine for even more versatility.

With all of these features packed into an affordable package, the VIPER TIG 180 AC/DC is a must-have for any DIY TIG enthusiast.

MACHINE PACKAGE: KUM-M-VTIG180ACDC

- VIPER TIG 180 AC/DC Power Source
- 4m High Performance T2 TIG Torch (including consumables)
- 4m Twist Lock Electrode Holder
- 300 Amp Earth Clamp & Lead
- Argon Flowmeter Regulator
- 2m Gas Hose Complete with fittings
- Operating Manual

VIPER TIG 180 AC/DC TECHNICAL DATA



TECHNICAL DATA	
MACHINE	VIPER TIG 180 AC/DC
SKU	KUM-M-VTIG180ACDC
PRIMARY INPUT VOLTAGE	240V Single Phase
SUPPLY PLUG	10 AMP
RATED INPUT POWER (kVA)	5.76
I _{eff} (A)	8.0
I _{max} (A)	24.0
RATED OUTPUT	5-180A
NO LOAD VOLTAGE (V)	70
PROTECTION CLASS	IP21S
INSULATION CLASS	F
MINIMUM GENERATOR (kVA)	9 kVA
DINSE CONNECTOR	35/50
STANDARD	AS/NZ60974-1
WELDS	Aluminium, Magnesium, Zinc Alloys, Steels, Stainless, Cast Iron, Bronze, Copper
WARRANTY (Years)	2

TIG SPECIFICATIONS	
TIG FUNCTION TYPE	AC/DC H/F TIG & AC/DC PULSE
TIG WELDING CURRENT RANGE	5-180A
TIG DUTY CYCLE @ 40°C	10% @ 180A
TIG WELDING THICKNESS RANGE	1mm - 6mm

AC/DC TIG PARAMETERS	
PRE GAS	0.1-3.0s
START AMP	5-160A
UP SLOPE	0-10s
PEAK AMP	5-180A
AC SQUARE WAVE	20-250Hz
AC BALANCE CONTROL	±10
DOWN SLOPE	0-15s
FINISH AMP	5-180A
POST GAS	0.5-15.0s
PULSE FREQUENCY	0.2-200Hz
PULSE WIDTH	10-90%
SPOT	0.5-10s

STICK SPECIFICATIONS	
STICK WELDING CURRENT RANGE	10-130A
STICK DUTY CYCLE @ 40°C	10% @ 130A
ARC FORCE	0-40
STICK ELECTRODE RANGE	2.5-4.0mm
STICK WELDING THICKNESS RANGE	2mm - 12mm

SIZE & WEIGHT	
DIMENSIONS (mm)	502x218x382mm
WEIGHT (kg)	12.8kg

MACHINE FEATURES	
VRD	Yes
FOOT CONTROL READY	Yes (UTJCFC-4)
THERMAL OVERLOAD PROTECTION	Yes