

## RAZOR TIG 220 DC

### FEATURES



### HD Backlit Interface

This next generation interface panel is bright and easy to read in any environment.

### Power Factor Correction (PFC)

PFC gives you maximum electrical efficiency. It automatically compensates for any voltage fluctuation, and PFC is also designed to be generator friendly.

### 10A Plug

A 10 AMP power plug can be used on any domestic outlet. It's perfect for the DIY home handyman or the professional welder looking for a machine that can be used almost anywhere.

### High Frequency TIG

Maximise your results from start to finish. A high-frequency torch can start an arc without contacting the workpiece, reducing the risk of contaminating the tungsten or the weld. It also means you get access to the entire TIG weld cycle, including pre- and post-gas and up and down slope parameters.

### Foot Control Ready

The perfect accessory, easily adjust your amperage to suit every weld as you go without disrupting your torch movement.

### Pulse TIG

Minimise the heat input without compromising on any of the penetration. Alternating between a peak and base current reduces the amount of heat input and focuses the arc, perfect for sheet metals and out-of-position welding.

### Smart Fan

Smart Fan diminishes noise, saves power, helps reduce energy costs, and minimises the number of contaminants being pulled through the machine.

### Advanced MMA Features

The RAZOR TIG 220 DC features adjustable Arc Force and Hot Start functionality. These features are designed for improving weld quality and ease of use.

### Optional Remote Control

Upgrade your machine with a handy remote control. Both a wired and wireless controller are available.

## RAZOR TIG 220 DC

### SPECIFICATIONS

#### Technical Data

Parameter	Values
SKU	U12003K
Primary Input Voltage	240V Single Phase
Supply Plug	10 AMP
I <sub>eff</sub> (A)	9.8
Rated Output	5A/10.2V - 220A/18.8V
No Load Voltage (V)	68v
Protection Class	IP23S
Insulation Class	H
Minimum Generator (kVA)	9.0
Dinse Connectors	35/50
Standard	AS/NZ60974-1
TIG Weld Material type	Mild Steel, Stainless Steel, Copper, Silicon Bronze, Titanium
MMA Weld Material type	Mild Steel, Stainless Steel, Cast Iron
Warranty (Years)	5

#### TIG Specifications

Parameter	Values
TIG Arc Ignition Type	High Frequency, Lift Arc
TIG Process Type	Standard DC, and Pulsed DC
DC TIG Welding Current Range	5-220A
TIG Duty Cycle @ 40°C	20% @ 220A 60% @ 127A 100% @ 98A
TIG Welding Thickness Range	1-8mm

#### STICK Specifications

Parameter	Values
STICK Welding Current Range	20-160A
STICK Duty Cycle @ 40°C	20% @ 160A 60% @ 92A 100% @ 72A
STICK Electrode Range	2.5-4.0mm
STICK Welding Thickness Range	2-10mm

#### Size & Weight

Parameter	Values
Dimensions (mm)	310×150×460 mm
Weight (kg)	8.9kg