

## 2. Machine Features

### RAZORWELD ARC 140



#### HD Backlit Interface

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

#### Advanced MMA Features

The RAZOR ARC 140 features Anti-Stick technology, as well as adjustable Arc Force and Hot Start functionality. These features are designed for improving weld quality and ease of use.

#### 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.

#### DC Lift Arc TIG

Lift Arc ignition allows the arc to be started easily in DC TIG by simply touching the tungsten to the workpiece and lifting it up to start the arc. This stops the tungsten tip sticking to the workpiece and breaking the tip from the tungsten electrode.

#### Smart Fan

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

#### Lightweight & Portable

Weighing just 5.5kg, the RAZOR ARC 140 is ready to go anywhere you need it.

## RAZORWELD ARC 180



### HD Backlit Interface

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

### DC Lift Arc TIG

Lift Arc ignition allows the arc to be started easily in DC TIG by simply touching the tungsten to the workpiece and lifting it up to start the arc. This stops the tungsten tip sticking to the workpiece and breaking the tip from the tungsten electrode.

### 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 ARC 180 features Anti-Stick technology, as well as adjustable Arc Force and Hot Start functionality. These features are designed for improving weld quality and ease of use.

### Lightweight & Portable

Weighing just 5.8kg, the RAZOR ARC 180 is ready to go anywhere you need it.

## 3. Machine Specifications

### 3.1 RAZORWELD ARC 140

#### Technical Data

Parameter	Values
SKU	XA-RZARC140
Primary Input Voltage	240V Single Phase
Supply Plug	10 AMP
Ieff (A)	9.7
Rated Output	20A/20.8V - 140A/25.6V
No Load Voltage (V)	78
Protection Class	IP23S
Insulation Class	H
Minimum Generator (kVA)	8.0
Dinse Connector	35/50
Standard	AS/NZ60974-1
MMA Weld Material type	Mild Steel, Stainless Steel, Cast Iron
TIG Weld Material type	Mild Steel, Stainless Steel, Copper, Silicon Bronze
Warranty (Years)	5

#### STICK Specifications

Parameter	Values
STICK Welding Current Range	20-140A
STICK Duty Cycle @ 40°C	15% @ 140A 60% @ 70A 100% @ 54A
STICK Electrode Range	2.5-3.2mm
STICK Welding Thickness Range	2-8mm

#### TIG Specifications

Parameter	Values
TIG Function Type	DC Lift Arc
TIG Welding Current Range	10-140A
TIG Duty Cycle @ 40°C	20% @ 140A 60% @ 80.8A 100% @ 62.6A
TIG Welding Thickness Range	1-5mm

#### Size & Weight

Parameter	Values
Dimensions	370×125×255 mm
Weight	5.5kg

### 3.2 RAZORWELD ARC 180

#### Technical Data

Parameter	Values
SKU	XA-RZARC180
Primary Input Voltage	240V Single Phase
Supply Plug	15 AMP
Ieff (A)	14.7
Rated Output	20A/20.8V - 180A/27.2V
No Load Voltage (V)	78
Protection Class	IP23S
Insulation Class	H
Minimum Generator (kVA)	10
Dinse Connector	35/50
Standard	AS/NZ60974-1
MMA Weld Material type	Mild Steel, Stainless Steel, Cast Iron
TIG Weld Material type	Mild Steel, Stainless Steel, Copper, Silicon Bronze
Warranty (Years)	5

#### STICK Specifications

Parameter	Values
STICK Welding Current Range	20-180A
STICK Duty Cycle @ 40°C	20% @ 180A 60% @ 104A 100% @ 81A
STICK Electrode Range	2.5-4.0mm
STICK Welding Thickness Range	2-10mm

#### TIG Specifications

Parameter	Values
TIG Function Type	DC Lift Arc
TIG Welding Current Range	10-180A
TIG Duty Cycle @ 40°C	25% @ 180A 60% @ 116A 100% @ 90A
TIG Welding Thickness Range	1-6mm

#### Size & Weight

Parameter	Values
Dimensions	370×125×255 mm
Weight	5.8kg