

Machine Features

RAZOR 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.

Machine Specifications

Technical Data

Parameter	Values
SKU	U13005
Primary Input Voltage	240V Single Phase
Supply Plug	15 AMP
I _{eff} (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