



RAZOR CUT80

80Amp 415V Inverter Plasma Cutter

Industrial Rated with CNC Compatibility

30mm Cut on Mild Steel

Features

- Latest IGBT Inverter Technology
- Heavy Industrial application
- CNC-Ready
- Outstanding performance from three-phase
- HF Arc Ignition (non-contact)
- Stand-off cutting with drag cut capability
- Maximum sever cutting thickness (steel) 35mm
- High quality Surecut SC80 Plasma Torch 6mtr
- Euro Style torch connection, low-cost consumables
- Auto protection for over Voltage & over current
- Auto protection for low air & thermal overload
- Integral pre-set air regulator, self-drain type
- Suitable to cut all electrically conductive materials
- Lightweight & compact design
- Strong metal housing with plastic front & rear panels
- Tolerant to variable power supply

XA-CUT80RZ

Standard Package



Optional machine accessories available - refer page 47



Technical Data

Power Supply / Phases (V-Ph)	415V - 3 +/- 10%
Rated Input Power	15.0 kVA
I _{eff} as per AS/NZ60974-1	12.6 Amps
I _{Max}	20.0 Amps
Plasma Cut Current Range	20-80Amps
Duty Cycle @ 40°C as per AS/NZ60974-1	40% @ 80Amps
Duty Cycle @ 25°C (approximate)	80% @ 80Amps
No Load Voltage	310V
Plasma Arc Start	Pilot Arc
Air Flow Draw Off	6.7 cfm
Air Pressure	75 psi
Steel Cut Thickness	30mm
Steel Sever Thickness	35mm
Aluminium Cut Thickness	16mm
Aluminium Sever Thickness	20mm
Stainless Cut Thickness	16mm
Stainless Sever Thickness	20mm
Insulation Class	F
Protection Class	IP21S
Dimensions (LxWxH)	560x220x415mm
Weight Power Source	16.0Kg
Certification Approval	AS/NZ60974-1

Overview

The RAZOR CUT80 is a high quality industrial-rated three phase inverter Plasma Cutting machine produced using the latest in IGBT inverter technology and incorporating advanced MCU intelligent software technology. The machine automatically monitors and controls all critical functions and compensates for possible inconsistencies caused by wear in torch components, environmental temperature or humidity. The resulting cutting performance is greatly improved compared to traditional plasma cutting machines. The RAZOR CUT80 is reliable, robust and stacked with features that you can expect from a high quality plasma cutter including full CNC connection. The RAZOR CUT80 is equipped with a high quality Suregrip SC80 Plasma Torch with Euro Style connection and 6mtr cable. The SC80 Plasma Torch provides effortless starting of the cut with powerful, fast and accurate stand-off cutting with drag cutting capability. The SC80 Plasma Torch uses low-cost wear consumables with the additional benefit of longer life cycle of both Electrodes and Cutting Tips. The RAZOR CUT80 is an exceptional machine that is well suited to a wide range of applications including industrial and general engineering, forestry and agriculture, site work, heavy transport and marine repair, general demolition and maintenance work. The RAZOR CUT80 provides great portability, with stacks of cutting power to get the job done with outstanding speed and a great finish.

Built to our specification and manufactured in compliance to AS/NZ60974-1

Product Code: XA-CUT80RZ-K

Standard Package includes: RAZOR CUT80 Machine, SC80 Plasma Torch 6m, Earth Lead & Spares Kit