



WELDING TECHNOLOGY

RAZOR CUT45 PLASMA

45 Amp Inverter Plasma Cutter

Cuts: Steels, Stainless, Cast Iron, Brass, Copper, Aluminium

RazorCut



RAZOR CUT45

45Amp 230V Inverter Plasma Cutter

16mm Cut on Mild Steel, Lightweight & Portable

Industrial Rated with Power Factor Correction



Features

- Proven IGBT inverter technology
- Light Industrial application
- Outstanding performance from single-phase
- Pilot Arc Ignition (non-contact)
- Stand-off cutting with drag cut capability
- Maximum sever cutting thickness (steel) 20mm
- High quality Surecut SC80 Plasma Torch 6mtr
- Euro Style torch connection, low-cost consumables
- 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
- Generator compatible (recommend 6KVA minimum)
- Tolerant to variable power supply

XA-CUT45RZ
Standard Package



Optional machine accessories available - refer page 47

Technical Data

Power Supply / Phases (V-Ph)	230V - 1 +/- 10%
Rated Input Power	5.50 kVA
I _{ieff} as per AS/NZ60974-1	15.0 Amps
I Max	29.2 Amps
Plasma Cut Current Range	20-45 Amps
Duty Cycle @ 40°C as per AS/NZ60974-1	25% @ 45Amps
Duty Cycle @ 25°C (approximate)	55% @ 45Amps
No Load Voltage	98V
Plasma Arc Start	Pilot Arc
Air Flow Draw Off	6.7 cfm
Air Pressure	75 psi
Steel Cut Thickness	16mm
Steel Sever Thickness	20mm
Aluminium Cut Thickness	8mm
Aluminium Sever Thickness	10mm
Stainless Cut Thickness	8mm
Stainless Sever Thickness	10mm
Insulation Class	F
Protection Class	IP21S
Dimensions (LxWxH)	410x165x330mm
Weight Power Source	9.8Kg
Certification Approval	AS/NZ60974-1

Overview

The RAZOR CUT45 is a high quality industrial-rated 230V single phase inverter Plasma Cutting machine produced using the latest in IGBT inverter technology. Designed for maximum cutting capacity and performance from single-phase power, this machine is reliable, robust and stacked with features. The RAZOR CUT45 produces a high temperature plasma stream providing effortless cutting of all electrically conductive materials including steel, cast Iron, stainless steel, copper, aluminium, brass, etc. The machine is supplied with a high quality Suregrip SC80 6mtr Plasma Torch with Euro Style connection, developed specifically to enhance and improve the cut quality of the RAZOR CUT45 machine. 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 CUT45 is an exceptional machine that is well suited to a wide range of applications including light industrial and general engineering, forestry and agriculture, sheet metal fabrication, site work, transport and marine repair, general demolition and maintenance work. The RAZOR CUT45 provides great portability, with plenty 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-CUT45RZ-K

Standard Package includes: RAZOR CUT45 Machine, SC80 Plasma Torch 6m, Earth Lead & Spares Kit