

CIGWELD

AN ESAB BRAND



100+
YEARS OF
WELDING
INNOVATION

BLUE VENOM

PCX35 PCX45

PLASMA CUTTERS



PORTABLE PRECISION PLASMA CUTTING MACHINES

LESS COMPLEXITY. MORE PRODUCTIVITY!

The BlueVenom PCX35 & PCX45 plasma cutters deliver serious cutting power in a compact and portable package. Both models can be used as portable handheld plasma cutters or integrated into CNC cutting systems for automated precision. These machines pack advanced inverter technology with high efficiency and power factor correction for reliable performance.

With cutting capacities of up to 12mm (PCX35) and 16mm (PCX45), they're built for speed, precision, and productivity. Both units feature a lightweight design under 10kg, making them easy to carry on-site or around the workshop without compromising power.

Powered by Hover Start technology for smooth arc striking, and compatible with standard compressed air, the PCX series is engineered for quick setup and accurate results. Whether it's fabrication, maintenance, automotive, or construction, these machines are built to cut through the tough jobs.

CIGWELD Info Sheet BlueVenom PCX35/45 V1-2026
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cigweld.com.au

VERSATILITY THAT DELIVERS

The BlueVenom PCX35 & PCX45 give you the flexibility to cut a wide range of materials and thicknesses with confidence. From thin sheet metal to heavy plate, whether you're working on-site with handheld cutting or automating production on a CNC table, these machines deliver reliability and precision.

POWERED BY:



CIGWELD
AN ESAB BRAND



FEATURE PACKED!

- Clean cut thickness: up to 12mm (35A)/ 16mm (45A)
Severance thickness: up to 16mm(35A)/25mm (45A)
- Lightweight & portable – up to 9.5Kg
- Hover Start arc striking for reliable ignition
- Power Factor Correction
- CNC Ready
- Simple torch connection with ergonomic handle
- Protected to IP21S

WARRANTY PERIOD

We stand behind the quality of our products, which is why the **BlueVenom PCX Plasmas** comes with **5-Year Warranty**.



WHAT'S IN THE BOX:

- BlueVenom PCX35 or PCX45 Power Source
- BlueVenom 60A Plasma Torch 6m
- Work Cable and Clamp 3m
- ¼" Nitto Air Line Connector
- Operating Manual

TECHNICAL SPECIFICATIONS

	BlueVenom PCX35	BlueVenom PCX45
Mild Steel Clean Cut	12mm	16mm
Mild Steel Severance	16mm	25mm
Stainless Clean Cut	10mm	12mm
Aluminium Clean Cut	10mm	12mm
Power Supply (Voltage):	Single Phase 10A Plug 230V +/- 15%	Single Phase 15A Plug 230V +/- 15%
Australian Standard:	AS 60974.1:2020	AS 60974.1:2020
Nominal Supply Frequency:	50/60Hz	50/60Hz
Supply Lead & Plug:	10 Amp	15 Amp
Amperage Range:	20A – 35A	20A – 45A
Duty Cycle @ 40°	35A @ 35%, 94.0V	45A @ 35%, 98.0V
Input Air Required	0.38 – 0.75 MPa (5.5 – 7.5 bar)	0.38 – 0.75 MPa (5.5 – 7.5 bar)
Minimum Generator Required:	6kVA (0.8 Power Factor at Max Amps)	7kVA (0.8 Power Factor at Max Amps)
Weight (Power Source):	8.8kg	9.1kg
Weight (Package):	15kg	15kg
Dimensions (Power Source):	483(L) x 147(W) x 292(H) mm	483(L) x 147(W) x 292(H) mm
Dimensions (Package):	560(L) x 255(W) x 345(H) mm	560(L) x 255(W) x 345(H) mm

ORDERING INFORMATION

Description	Part Number
BlueVenom PCX35 Plant	661600
BlueVenom PCX45 Plant	661602
BlueVenom 60A Plasma Torch 6m	661612
BlueVenom 60A Plasma Straight Torch 6m	661613
BlueVenom Plasma Cutting Tip 35A 0.8mm	CSP337001
BlueVenom Plasma Cutting Tip 45A 0.9mm	CSP337002
BlueVenom 60A Plasma Torch Electrode	CSP337003
BlueVenom 60A Plasma Torch Standoff Guide	CSP337004
BlueVenom 60A Plasma Torch Shield Cup	CSP337005
BlueVenom 60A Plasma Torch O-Ring	CSP337006
BlueVenom 60A Plasma Torch Gas Diffuser	CSP337007
BlueVenom Plasma Torch Gouging Tip 1.1mm	CSP337096
BlueVenom Plasma Inline Filter	CSP337039
BlueVenom Plasma Circle Cutting Guide	CSP337041