

INVERTEC PC100



When you need a high performance, heavy duty plasma cutter, the Invertec PC100 is the machine for you. With large cutting capacity, portability and versatility this machine completes the Lincoln plasma family in quality and ease of use.

The Invertec PC100 is an air plasma cutting system for mild steel, stainless steel, aluminium and most other metals. Based on the latest inverter technology the Invertec PC100 incorporates many sophisticated features that enable the production of high quality cuts over a wide range of thicknesses up to 35mm. Operating from a 415V three phase supply, the output is protected against input voltage fluctuations within a range of $\pm 10\%$.

Stepless output current control from 20 to 100A is by means of a potentiometer. Several indicator lamps show power-on, output voltage enabled, air supply pressure too low, overload conditions and cutting in progress.

All circuits have been designed with a modular concept for improved performance and easy maintenance.

A quick disconnect torch assembly, protected against accidental contacts with live parts allows easy switching between hand and machine torches.

With an optional remote control, it is possible to operate the Invertec PC100 from a remote position thus enabling the use of a mechanised carriage or profile cutting machine.

The Invertec PC100 is supplied ready to cut with all the necessary accessories including a first supply of consumables.

- Primary input lead
- **Note:** A plug is required to suit outlet

ADVANTAGE LINCOLN

- The most advanced inverter technology for outstanding performances and reliability
- Pilot Arc control to maintain an uninterrupted arc when cutting expanded metal or grates
- Stepless current control
- Output compensated for mains fluctuations
- CE certified for safety and EMC requirements
- Ample choice of consumables for a wide range of applications including gouging, inside corners, pipe saddle cutting and others
- Low weight and small size for portability and access
- Optional hand operated remote control
- Overload protection and warning light
- 12 months warranty

Package Includes

- Invertec PC100 power source
- T100 plasma torch 6m
- Work return lead
- Compressed air filter/regulator

TECHNICAL SPECIFICATIONS



Part Number	Description	Input Voltage	Rated input AS1966.1	Duty Cycle	Output Range	Cutting Capacity	Weight	Dimensions H x W x D
WF200322	Invertec PC100	415/3/50/60	15A	100A@35%	20-100A	0.5-35mm	26kg	235 x 330 x 615mm

Your local Lincoln distributor is:

*In line with company policy of continuing improvement, specifications are subject to change without notice.



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In Australia, Lincoln Technical Sales Representatives are located in Mackay, Brisbane, Newcastle, Sydney, Wollongong, Melbourne, Adelaide and Perth. To contact your local Lincoln Technical Sales representative, call 1300 728 720 (for the cost of a local call). Lincoln products are sold primarily through its distributors.

Our Regional Office locations are:

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THE LINCOLN ELECTRIC COMPANY

Cleveland, Ohio, U.S.A. - Subsidiary companies established in Australasia, Asia, Canada, Europe, North and South America.

PLASMA FAMILY



Plasma Cutting Systems

ADVANTAGE LINCOLN

- 240 volts 16 amps input
- 25 amps of power for competitive performance up to 10mm
- Only a 13.4kg package (without cables)
- 60% duty cycle at maximum output assures generous high end capacity
- Patent pending PCT 20 torch and VORTECH technology consumables for unmatched cutting speed and precision
- The arc retracts and restrikes faster without high frequency
- The longest consumable life in the industry
- Back-lit LED system for status indicators. Eliminates confusion yet conveys all the information necessary to monitor power source readiness
- Unit comes ready to use with torch, work lead and spare consumables
- Standard air pressure regulator with gauge
- Parts in place safety indicator and lockout circuit to protect both the operator and the system
- CE certified for safety and EMC requirements
- Thermostatically protected
- Line voltage compensation
- Overload protection and warning light
- 2 years warranty on parts and labor



VORTECH TECHNOLOGY

The new Pro-Cut 25 is one of the best examples of how portable and easy to use plasma cutters can be. The Pro-Cut 25 operates on 240V, single phase with enough power to cut up to 10mm. Ideal for tradesmen, sheetmetal work, maintenance/repair, car body repair, rural and home handyman.

The patent pending PCT 20 plasma torch operates without high frequency, virtually eliminating any delay when the trigger is depressed or the arc is re-ignited after the torch leaves the plate. In fact, this technology allows the arc to be re-ignited within 50 milliseconds. No other torch without high frequency can match this capability. This means no waiting, ever and better performance on expanded metal.

The patent pending VORTECH™ technology consumables generate the tightest cutting arc in the industry which yields excellent cutting speeds and low dross levels. HVAC and autobody companies will

find the Pro-Cut 25 especially easy to use with its back lit LED status lights. 4.5m plasma torch and integral air controls.

Package Includes

- Pro-Cut 25 power source
- PCT 20 torch 4.5m
- Work return lead
- Compressed air filler/regulator
- Primary input lead and 240V 15A plug



TECHNICAL SPECIFICATIONS



Part Number	Description	Input Voltage	Rated input AS1966.1	Duty Cycle	Output Range	Cutting Capacity	Weight	Dimensions H x W x D
WF200116	Pro-Cut 25	240/1/50/60	16A	25A@60% 20A@100%	12-25	0.5-10mm	13kg	260 x 160 x 410mm

INVERTEC PC60



The Invertec PC60 is an air plasma cutting system for mild steel, stainless steel, aluminium and most other metals. Based on the latest inverter technology the Invertec PC60 incorporates many sophisticated features that enable the production of high quality cuts over a wide range of thicknesses up to 20mm. Operating from a 415V three phase supply, the output is protected against input voltage fluctuations within a range of $\pm 10\%$. Advanced inverter design provides for a constant current output regardless of variations in line voltage or torch to work distance.

All circuits have been designed with a modular concept for improved performance and easy maintenance.

A quick disconnect torch assembly protected against accidental contacts with live parts allows easy switching between hand and machine torches.

Stepless output current control from 20 to 60A is by means of a potentiometer. Several indicator lamps show power-on, output

voltage enable, air supply pressure too low, overload conditions and cutting in progress.

The Invertec PC60 is supplied ready to cut with all the necessary accessories including a first supply of consumables.

Package Includes

- Invertec PC60 power source
- T70 plasma torch 6m
- Work return lead
- Compressed air filter/regulator
- Primary input lead 3m
- **Note:** A plug is required to suit outlet.

ADVANTAGE LINCOLN

- The most advanced inverter technology for outstanding performances and reliability
- Pilot Arc control to maintain an uninterrupted arc when cutting expanded metal or grates
- 20-60A output range
- Stepless current control
- 0.8 to 20mm cutting capacity
- Output compensated for mains fluctuations
- CE certified for safety and EMC requirements
- Ample choice of consumables for a wide range of applications including gouging, inside corners, pipe saddle cutting and others
- Low weight and small size for portability and access
- Overload protection and warning light
- 12months warranty

TECHNICAL SPECIFICATIONS



Part Number	Description	Input Voltage	Rated input AS1966.1	Duty Cycle	Output Range	Cutting Capacity	Weight	Dimensions H x W x D
WF200272	Invertec PC60	415/3/50/60	10A	45A@60%	20-60	0.5-20mm	16kg	195 x 280 x 515mm