

## Selection Guide

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## Plasma

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## Technology Overview

SPL Technology Page 5  
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	Mode		Polarity	Range	OUTPUT			PROCESS			INPUT	
					Cutting Thickness	Cut	Gouge	Pierce	Phase	Hertz	Page	Literature
<b>PLASMA</b>												
Invertec® PC210	CC	DC	12-25A	10mm max	■		▲	1	50/60	2	J10.120	
Invertec® PC620	CC	DC	20-60A	25mm max	■	■	■	3	50/60	3	J10.110	
Invertec® PC1030	CC	DC	20-100A	35mm max	■	■	■	3	50/60	4	J10.110	
					■	▲	●					
					Excellent	Good/Fair	Optional					

## Inverterc® PC210 Ready-to-cut Package



Forget the grinder or cumbersome, inaccurate oxy-cutting. The Inverterc® PC210 makes short work of your cutting requirements using ordinary 240V power - simply take the torch and cut in seconds.

With a weight of only 18.5kg combined with its small size, this versatile machine can be used anywhere, anytime - ideal for onsite use.

The Inverterc® PC210 inverter-based machine is equipped with an integrated air compressor, combined with the ability to take in external air for even greater cutting power and higher travel speeds.

Using the internal compressor, it can quickly and easily cut up to 8mm steel. With the additional external air supply, it can cut up to 10mm steel.

The Inverterc® PC210 is built tough to ensure reliability throughout its lifetime. The compressor incorporates two air filters and a moisture filter to clean the incoming air. The most flexible plasma cutting machines you could envisage, the units arrive ready to go, able to cut fast and precisely.

### Advantage Lincoln

- Flexible - only 240V input required
- Convenience of an internal compressor (ability to cut up to 8mm mild steel using internal compressor)
- External air input capabilities to maximise cutting power and travel speeds (up to 10mm mild steel)
- High performance torch design protects the tip during ignition
- Enhanced airflow through the torch during operation delivers a more concentrated arc - less heat means less distortion
- Robust- long life compressor
- Portable - only 18.5, small & compact

- Variety of materials - steel, stainless, aluminium and more
- Ideal for onsite maintenance, small construction sites, service tasks and general installations, air conditioning installation, demolition or as a rental unit
- 2 Years full Parts and Labour Warranty

### Processes

Air Plasma Cutting

### Ordering Information

K12038-2 Inverterc® PC210 240/1/50/60

### Literature

J10.120

### Specifications

Current Range (Amps)	10-25A
Rated Output (40°C)	25A / 90V @ 35%
	20A / 88V @ 60%
	15A / 86V @ 100%
Primary/ Input Voltage	240 V 1ph (± 10%) 50/60Hz
Fuse/Rated Input	16A (slow) / 2kW @ 35%
Cutting Capacity	6 mm recommended
	10 mm maximum
	12 mm severance
Required Flow Rate	80 ± 20% l/min @ 5.0 bar
Required Inlet Pressure	6.0 bar - 7.5 bar
Compliance	EN 60974-1 / EN 50199 CE
Protection/Insulation Class	IP23S/H
Dimensions (mm) H x W x D	385 x 215 x 480
Net Weight (kg)	18.5

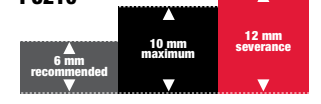
### Packages include:

- 1) PC210 Power source
- 2) LC25, 3 metre plasma torch
- 3) Earth lead
- 4) Starter kit including electrodes, swirl ring, cutting nozzle and retaining cup

### Optional/Replacement Equipment

LC25, Handheld Torch	PTH-C25A-SL-3MR
Electrodes (Small)	W03X0893-75A
Swirl Ring	W03X0893-5R
Cutting Nozzle (0.65mm)	W03X0893-76A
Retaining Cap	W03X0893-77A
Spacer	W03X0893-78R
Circle kit	K1625-1

### PC210



# Invertec<sup>®</sup> PC620 Ready-to-cut Package

**NEW!**



A new standard in plasma cutting, the three phase Invertec<sup>®</sup> PC620 focuses on three critical elements, termed SPL, to deliver a longer lifespan and more cutting power – up to 20mm plate. With 25-60% increases in speed compared to previous models, combined with an innovative, multi-functional torch, the PC620, delivers superior cutting capabilities in a lightweight, portable package.

### Advantage Lincoln

SPL Technology (see page 5 for further details)

- Starting: When starting the torch, air pressure pushes the electrode back with ignition occurring on the “shoulder” preventing tip damage to extend its life.
- Performance: Enhanced circular airflow through the torch during operation, delivers a more concentrated arc for increased cutting speeds and less heat distortion.
- Lifetime: The torch internally cools the electrode and tip to at least double the lifespan.
- Multiple torch configurations—stand-off, contact & gouging (see page 5 for further details)
- Faster - Higher travel speeds and plate thickness
- Lightweight and portable - 18.5kg
- Different materials - Mild steel, Stainless steel Aluminium & many more
- Concentrated Plasma stream - Less heat input, less distortion
- Built the Lincoln Way - Robust and reliable
- 2 Years full Parts and Labour Warranty
- Ready to cut package including PC620 Power source, LC60 Torch, Earth lead

and a set of electrodes and nozzles to get started

### Processes

Plasma Cutting  
 Gouging (with optional gouging attachment)

### Ordering Information

K12029-2 Invertec<sup>®</sup> PC620  
 380-415/3/50/60

**Literature** J10.110

### Specifications

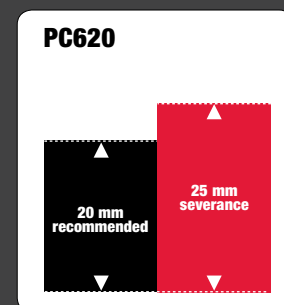
Current Range (Amps)	20 - 60A
Rated Output (40°C)	60A / 104V @ 35% 50A / 100V @ 60% 40A / 96V @ 100%
Primary/ Input Voltage	415 V 3ph (± 15%) 50/60Hz
Fuse/Rated Input	25A (slow) 9kW @ 35%
Cutting Capacity	20 mm recommended 25 mm severance
Required Flow Rate	130 ± 20% l/min @ 5.0 bar
Required Inlet Pressure	6.0 bar - 7.5 bar
Compliance	EN 60974-1 / EN 50199 CE
Protection/Insulation Class	IP23S
Dimensions (mm) H x W x D	385 x 215 x 561
Net Weight (kg)	18.5

### Packages include:

- 1) PC620 Power source
- 2) LC60, 7.5 Metre Handheld Plasma Torch
- 3) Earth lead
- 4) Starter kit including electrodes, swirl ring, cutting nozzle and retaining cup

### Optional/Replacement Equipment

LC60, 7.5 M Hand Torch	PTH-060A-CX-7M5A
LC60, 15 M Hand Torch	PTH-060A-CX-15MA
LC60M, 7.5 M Machine Torch	PTM-060A-CX-7M5A
LC60M, 15 M Machine Torch	PTM-060A-CX-15MA
Electrode (Medium)	W03X0893-1A
Swirl Ring	W03X0893-5R
Cutting Tip (0.9mm, 40A)	W03X0893-2A
Cutting Tip (1.0mm, 50A)	W03X0893-3A
Cutting Tip (1.1mm, 60A)	W03X0893-15A
Cutting Tip (25A Dir. Contact)	W03X0893-18A
Cutting Tip (40A Dir. Contact)	W03X0893-8A
Cutting Tip (1.0mm, 50A Contact)	W03X0893-6A
Cutting Tip (1.1mm, 60A Contact)	W03X0893-17A
Cutting Tip (Gouging)	W03X0893-9A
Retaining Cap	W03X0893-10A
Retaining Cap (Dir Contact & Gouging)	W03X0893-11A
Spacer	W03X0893-14R
Shield Cup	W03X0893-7A
Shield Cup (Gouging)	W03X0893-13A



## Invertec® PC1030 Ready-to-cut Package

**NEW!**

50/60 Hz

3 PHASE

2 YEAR WARRANTY

CE

IP23S



With the power to cut 30mm plate while delivering 25-60% higher travel speeds compared to previous models, the new Invertec®1030 is the power-pack of portable plasma cutters.

The innovative, multi-functional torch, enables standard cutting, and with optional attachments, contact cutting (suitable for thinner materials) and gouging.

SPL Torch Technology also ensures and longer lifespan and concentrates the plasma stream for increased cutting power and greater precision.

### Advantage Lincoln

SPL Technology (see page 5 for further details)

- Starting: When starting the torch, air pressure pushes the electrode back with ignition occurring on the “shoulder” preventing tip damage to extend its life.
- Performance: Enhanced circular airflow through the torch during operation, delivers a more concentrated arc for increased cutting speeds and less heat distortion.
- Lifetime: The torch internally cools the electrode and tip to at least double the lifespan.
- Multiple torch configurations—stand-off, contact & gouging (see page 5 for further details)
- Faster - Higher travel speeds and plate thickness
- Different materials - Mild steel, Stainless steel Aluminium & many more
- Concentrated Plasma stream - Less heat input, less distortion

- Built the Lincoln Way - Robust and reliable
- 2 Years full Parts and Labour Warranty

### Processes

Compressed air plasma cutting, gouging

### Ordering Information

K12030-2 Invertec® PC1030  
380-415/3/50/60

### Literature

J10.110

### Specifications

Current Range (Amps)	20 - 100A
Rated Output (40°C)	100A / 120V @ 35% 80A / 112V @ 60% 60A / 104V @ 100%
Primary/ Input Voltage	415 V 3ph (± 15%) 50/60Hz
Fuse/Rated Input	32A (slow) 15kW @ 35%
Cutting Capacity	30mm recommended 35mm severance
Required Flow Rate	180 ± 20% l/min @ 5.0 bar
Required Inlet Pressure	6.0 bar - 7.5 bar
Compliance	EN 60974-1 / EN 50199 CE
Protection/Insulation Class	IP23S
Dimensions (mm) H x W x D	500 x 275 x 696
Net Weight (kg)	31.5

### Packages include:

- 1) PC1030 Power Source
- 2) LC100, 7.5 metre Handheld Plasma Torch
- 3) Earth lead
- 4) Starter kit including electrodes, swirl ring, cutting nozzle and retaining cup

### Optional/Replacement Equipment

LC100, 7.5 M Hand Torch	PTH-100A-CX-7M5A
LC100, 15 M Hand Torch	PTH-100A-CX-15MA
LC100M, 7.5 M Machine Torch	PTM-100A-CX-7M5A
LC100M, 15 M Machine Torch	PTM-100A-CX-15MA
Electrode (Large)	W03X0893-25A
Swirl Ring (less than 70A)	W03X0893-50R
Swirl Ring (greater than 70A)	W03X0893-51R
Cutting Tip (0.9mm, 40A)	W03X0893-27A
Cutting Tip (1.0mm, 50A)	W03X0893-28A
Cutting Tip (1.1mm, 60A)	W03X0893-29A
Cutting Tip (1.2mm, 70A)	W03X0893-30A
Cutting Tip (1.4mm, 80A)	W03X0893-31A
Cutting Tip (1.5mm, 100A)	W03X0893-32A
Cutting Tip (0.9mm, 25A Dir Contact)	W03X0893-26A
Cutting Tip (1.0mm, 50A Contact)	W03X0893-33A
Cutting Tip (1.1mm, 60A Contact)	W03X0893-34A
Cutting Tip (1.2mm, 70A Contact)	W03X0893-35A
Cutting Tip (1.4mm, 80A Contact)	W03X0893-36A
Cutting Tip (1.5mm, 100A Contact)	W03X0893-37A
Cutting Tip (Gouging)	W03X0893-38A
Retaining Cap	W03X0893-41A
Retaining Cap	W03X0893-42A
Retaining Cap	W03X0893-43A
Spacer	W03X0893-14R
Shield Cup (Gouging)	W03X0893-48A
Shield Cup	W03X0893-44A
Shield Cup	W03X0893-45A

