



ADVANTAGES

New innovative concept focussing on three elements

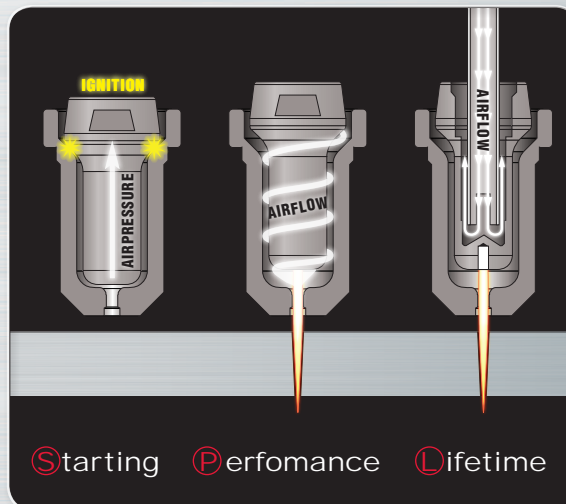
- ✓ **Starting**
Innovative advanced arc starting without HF
- ✓ **Performance**
Innovative advanced electrode and nozzle design
- ✓ **Lifetime**
Innovative advanced design increases lifetime of consumables
- ✓ **Faster**
Higher travel speeds and plate thickness
- ✓ **Flexible**
Multiple torch configurations
- ✓ **Lightweight and portable**
18.5kg (PC620)
- ✓ **Different materials**
Mild steel, Stainless steel Aluminium and many more
- ✓ **Concentrated Plasma Stream**
Less heat input, less distortion
- ✓ **Built the Lincoln Way**
Robust and reliable
- ✓ **2 Years Full Parts and Labour Warranty**

HIGH PERFORMANCE PLASMA CUTTING

TORCH HEAD DESIGN

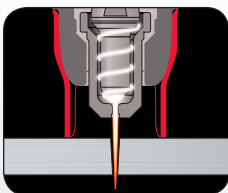
The new Lincoln concept for Plasma cutting is focussing on three elements:

- Ⓢ An innovative and patented striking system saves the electrode tip and extends its lifetime.
- Ⓟ Circular enhancements with increased radius airflows and innovative electrode/nozzle design concentrate the plasma stream.
- Ⓛ The internal cooled electrode and torch head and electrode/nozzle design considerably increase their lifetime.



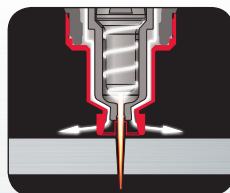
TORCH CONFIGURATIONS

Stand-off



Delivered as standard with the machine, maximum flexibility and visibility of the plasma stream. Recommended at higher current levels and plate thickness.

Contact



Convenient for the operator, simply drag the nozzle on the plate. Well-protected nozzle. Use the special drag nozzle at low amperes (~40A) for thin plate thickness.

Gouge



Allowing you to gouge different materials, The amount of material removed depends on current level, torch angle and travel speed.

PC620

- ✓ Recommended up to 20mm mild steel (severance 25)



PC1030

- ✓ Recommended up to 30mm mild steel (severance 35)



LINCOLN® ELECTRIC

CUTTING CAPACITY

		Max plate thickness (mm)	
		PC620	PC1030
Mild steel	Recommended	20	30
	Severance	25	35
Stainless steel	Recommended	15	20
	Severance	20	25
Aluminium	Recommended	20	30
	Severance	25	35



TECHNICAL SPECIFICATIONS PC620 / PC1030

Product	Item Number	Primary Voltage	Fuse Size	Weight (kg)	Dimensions HxWxD (mm)	Protection Class	Insulation Class	Compliance
PC620	K12029-1	400 V 3ph (± 15%) 50/60Hz	25A (slow)	18,5	385 x 215 x 561	IP23S	H	EN 60974-1 / EN 50199 CE
PC1030	K12030-1		32A (slow)	31,5	500 x 275 x 696			

Product	Current Range	Input Voltage	Rated Input	Frequency	Rated Output (40°C)	Required Flow Rate	Required Inlet Pressure
PC620	20 - 60A	400 V ± 15% Three Phase	9kW @ 35% - 5kW @ 100%	50/60Hz	60A / 104V @ 35% 50A / 100V @ 60% 40A / 96V @ 100%	130 ± 20% l/min @ 5,0 bar	6,0 bar - 7,5 bar
PC1030	20 - 100A		15kW @ 35% - 8kW @ 100%		100A / 120V @ 35% 80A / 112V @ 60% 60A / 104V @ 100%		

TORCHES

Torch	Item	Type	Length	
PC620	LC60	PTH-060A-CX-7M5A	Hand	7.5 m
		PTH-060A-CX-15MA	Hand	15 m
	LC60M	PTM-060A-CX-7M5A	Machine	7.5 m
		PTM-060A-CX-15MA	Machine	15 m
PC1030	LC100	PTH-100A-CX-7M5A	Hand	7.5 m
		PTH-100A-CX-15MA	Hand	15 m
	LC100M	PTM-100A-CX-7M5A	Machine	7.5 m
		PTM-100A-CX-15MA	Machine	15 m

ACCESSORIES

Item Number	Description
W0200021	Hand remote control RC2000
W0100111	Connection cable for RC2000, 10 m
W0100112	Connection cable for RC2000, 25 m
W0200002	Two-wheel undercarriage PC620
K2694-1	Undercarriage PC1030
W0300699A	Circle kit LC60&100

United Kingdom: Lincoln Electric (UK) Ltd.
Tel: +44 114 287 2401 Fax: +44 114 287 2582

Belgium: Lincoln Smitweld Belgium
Tel: +32 2 377 00 71 Fax: +32 2 378 18 77

France: Lincoln Electric France SAS
Tel: +33 232 11 40 40 Fax: +33 232 11 40 11

Germany: Lincoln Electric Germany
Tel: +49 2102 713960 Fax: +49 2102 7139631

Italy: Lincoln Electric Italia, SRL
Tel: +39 010 754 111 Fax: +39 010 754 1150

The Netherlands: Lincoln Smitweld B.V.
Tel: +31 24 352 29 11 Fax: +31 24 352 22 02

Denmark: Lincoln Electric Nordic
Tel: +45 86 26 51 00 Fax: +45 86 26 51 50

Spain: Lincoln KD, Sa
Tel: +34 93 685 9600 Fax: +34 93 685 9610

Turkey: A.S. Kaynak
Tel: +90 216 377 30 90 Fax: +90 216 377 00 00

Poland: Lincoln Electric Bester S.A.
Tel: +48 746 46 1100 Fax: +48 746 46 1082

Other countries: Lincoln Electric Europe B.V.
Tel: +31 24 352 29 27 Fax: +31 24 352 29 29

LINCOLN[®]
ELECTRIC

Your Lincoln Electric Distributor:

www.lincolnelectric.eu

E0050.05/08