



THE NEW GENERATION OF PLASMA CUTTING SYSTEMS

The Invertec® PC65 and 105 are air plasma cutting systems suitable for cutting of mild steel, stainless steel, aluminium and most other metals. Designed and manufactured using inverter technology, both the Invertec® PC65 and 105 incorporate many sophisticated features that enable the production of high quality cuts over a wide range of thicknesses up to 35 mm.

Operating from a 400V three phase supply the output is protected against input voltage fluctuations within a range of +/-15%. Advanced inverter design provides for a constant current output regardless of variations in line voltage or torch to work distance.

Infinitely variable output current control allows easy and precise setting of the cutting current. Indicator lamps show power-on, output voltage, 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 connect torch assembly protected against accidental contact with live parts allows easy switching between hand and machine torches.

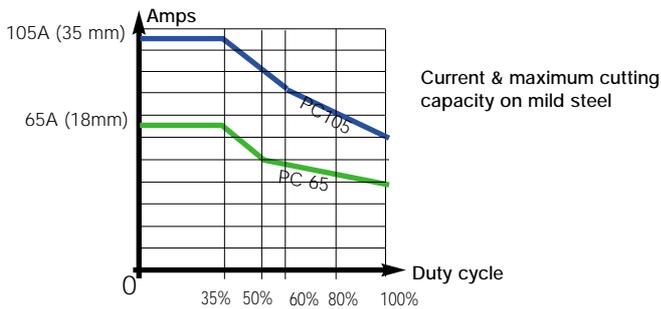
An optional remote control is available that facilitates the use of the PC105 with cutting machines.

The Invertec® PC65 & PC105 are supplied ready to cut with all the necessary accessories including a start up pack of consumables.

ADVANTAGES

- ✓ Design and manufactured using inverter technology for outstanding performance and reliability
- ✓ Pilot Arc control to maintain an uninterrupted arc when cutting expanded metal or grates
- ✓ Infinitely variable current control
- ✓ Output compensated for mains fluctuations
- ✓ Wide range of consumables suitable for gouging, inside corners, pipe saddle cutting and others
- ✓ Rugged case design for portability and impact resistance
- ✓ Recessed controls and connections designed to eliminate damage
- ✓ Optional hand operated remote control for PC105
- ✓ Overload protection and warning light
- ✓ Designed to meet EN60974-1 and CE standards for safety and reliability
- ✓ Built the Lincoln way 'RUGGED & RELIABLE'
- ✓ Two Year warranty on parts and labour

CUTTING CAPACITY DATA



TECHNICAL SPECIFICATIONS

| Product Name | Item Number | Primary Voltage | Fuse Size | Weight (kg) | Dimensions H x W x D (mm) | Protection Class | Insulation Class | Compliance |
|-----------------|-------------|------------------|------------|-------------|---------------------------|------------------|------------------|--------------------------|
| Invertec® PC65 | K12012-1 | 400V 3ph | 25A (slow) | 19 | 385x215x586 | IP23S | H | EN 60974-1 / EN 50199 CE |
| Invertec® PC105 | K12013-1 | (+/-15%) 50/60Hz | 32A (slow) | 32 | 500X275X711 | | | |

WELDING OUTPUT

| Current Range | Cutting capacity | Rated Output (40°C) | Rated Input | O.C.V. |
|---------------|------------------|---------------------|-------------|--------|
| 20 - 65A | 18mm | 65A/106V@35% | 9kW @35% | 540Vdc |
| | | 50A/100V/50% | - | |
| | | 40A/96V@100% | 5kW @100% | |
| 20 - 105A | 35mm | 105A/122V@35% | 15kW @35% | 540Vdc |
| | | 80A/112V/60% | - | |
| | | 60A/104V@100% | 8kW @100% | |

ACCESSORIES

| Item Number | Description |
|-------------|---|
| W0400047A | Straight handle hand torch, 6m - T70 (PC65) |
| W0400048A | Straight handle hand torch, 6m - T100 (PC105) |
| W0200021 | Hand remote control RC2000 |
| W0100111 | Connection cable for RC2000, 10m |
| W0100112 | Connection cable for RC2000, 25m |
| W0200002 | Two-wheel undercarriage (PC65) |
| W0200003 | Four-wheel undercarriage (PC105) |
| W0300199A | Circle cutting kit (PC65) |
| W0300194A | Circle cutting kit (PC105) |



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 Smitweld G.m.b.H
Tel: +49 201 896 280 Fax: +49 201 896 2831

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

Your Lincoln Electric Distributor:

LINCOLN[®]
ELECTRIC

www.lincolnelectriceurope.com