

Kjellberg[®]
FINSTERWALDE

the
FINE FOCUS[™]
company

NEW!

Plasma Hand Cutting Inverters

Ideal for fabrication, construction sites,
hand craft and repair shops

CUTi 35C

CUTi 40

CUTi 70

CUTi 90

CUTi 120



New mobility

More than 50 years experience in plasma cutting

Kjellberg known as pioneer in plasma cutting has invented over the last decades many technologies and products like *FineFocus* and *HiFocus*, soft switch inverter power sources and so on. These experiences helped to develop the new CUTi series and hand torches, a complete range for any manual cutting job.

CUTi - inverters convince

Powerful and reliable

- Efficient cut quality at all electrical conductive materials due to up to date inverter technology, step less current setting, high cutting capacity and advanced plasma torch technology.
- Reliable field proved hand plasma torches with protection cap and safety circuit

Economic and productive

- Low energy consumption due to innovative inverter technology
- Light weight plasma power sources, strong cutting performance
- More flexibility and mobility
- Cost saving air plasma technology
- Efficient air cooled plasma torches
- Supplied with consumable starter kit and torch tools



Flexible handling

- Easy handling and versatile use of all accessories, like cap for template cutting, contact cap, bevelling cap, circle attachment, special consumables for corner cutting (up to 70 A), and so on
- Comfortable handling during transportation and operation because of low weight
- Central torch connector¹⁾ with safety circuit ensures safe and fast torch change and easy transportation
- CUTi 40 with main adapter applicable for connection to a single phase socket (16 A) with reduced cutting current (max. 30 A)
- All CUTi are suitable for use in environments with increased hazard of electric shock
- Integrated air filter and regulator keeps the plasma gas clean and the cutting process stable

New concept = New independence

- CUTi 35C with integrated compressor
- Plasma cutting up to 25 A (6 mm) without any external gas supply
- Extra power thrust up to 35 A (10 mm) due to the possibility to connect external gas supply
- Automatic switch from 25 A to 35 A when external air supply is connected
- Weight just 12.5 kg with inbuilt compressor
- Ideal for difficult accessible building sites and places = simply more mobility



1) CUTi 35C has no central torch connector

Assorted tools for manifold applications

Air cooled plasma torches - light-weighted and comfortable



Plasma torch PHT 31 for CUTi 40/ CUTi 70 (left) and PHT 51 for CUTi 90/ CUTi 120, both with a distance spring for keeping a constant distance to the workpiece and for observing the plasma arc

Circles and straight lines



Guide wheels with circle attachment for circle cutting as well as for straight line cutting along markings

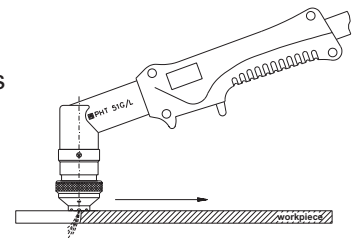
Corners and profiles



Extended consumables for cutting at inaccessible parts of workpiece

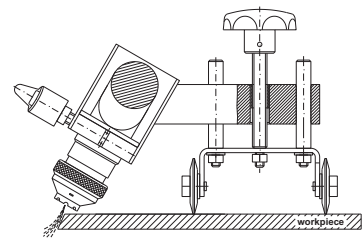
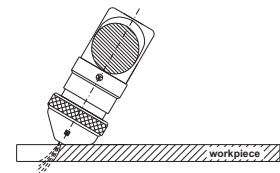
Template cutting

with contact cap makes torch handling easy as with distance spring or guide wheels



Bevel cutting

with bevelling cap for 30° and 45° or bevelling attachment with stepless inclination adjustment for plate cutting or welding seam preparation



Optional accessories

Circle and bevel caps consumables and tips for non distance cutting

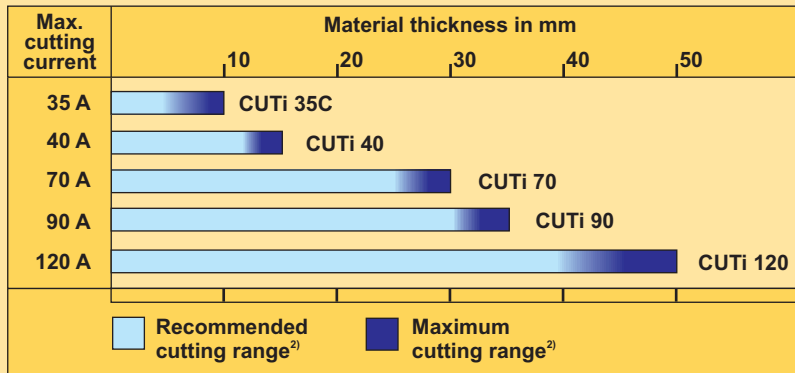
Technical data of plasma inverters

Powerful reliable lightweights for flexible and mobile applications in shops and on erection sites

Power source	CUTi 35C	CUTi 40	CUTi 70	CUTi 90	CUTi 120
Mains voltage	1x 230 V	1x 230 V	3x 400 V	3x 400 V	3x 400 V
Connected load	3.3 kVA/ 4.8 kVA ¹⁾	6.5 kVA	11.1 kVA	15 kVA	16.7 kVA
Fuse, slow	16 A	16 A (single ph.)/ 32 (CEE)	16 A	32 A	32 A
Open circuit voltage	270 V	270 V	250 V	320 V	450 V
Cutting current at duty cycle	35 A (25 % d. c.) 20 A (100 % d. c.)	40 A (40 % d. c.) 25 A (100 % d. c.)	70 A (35 % d. c.) 50 A (100 % d. c.)	90 A (40 % d. c.) 55 A (100 % d. c.)	120 A (35 % d. c.) 80 A (100 % d. c.)
Protection class	IP 23	IP 21	IP 21	IP 21	IP 23
Dimensions (L x W x H)	550 x 150 x 245 mm	460 x 180 x 220 mm	470 x 180 x 250 mm	470 x 180 x 270 mm	610 x 230 x 410 mm
Air consumption	115 l/min	130 l/min	140 l/min	195 l/min	195 l/min
Plasma and cooling gas	Air	Air	Air	Air	Air
Cutting pressure	4.0 bar (0,4 MPa) ¹⁾	5.0 bar (0.5 MPa)	5.0 bar (0.5 MPa)	5.0 bar (0.5 MPa)	5.0 bar (0.5 MPa)
Weight	12.5 kg	11.5 kg	16.4 kg	17 kg	28.5 kg
Plasma torch	PHT 25	PHT 31	PHT 31	PHT 51	PHT 51
Accessories	Consumable kit Filter regulator	Consumable kit Filter regulator	Consumable kit Filter regulator	Consumable kit Filter regulator	Consumable kit Filter regulator

1) external air supply


Range of application



2) These data are depending on the materials to be cut and their compositions.

The plasma cutting units are CE conform and comply with the valid instructions and regulations of the European Union. They are developed and manufactured on basis of the standards EN 60974 (VDE 0544). All the Kjellberg plasma cutting units are holding the S-mark, and are therefore applicable in environments with increased hazard of electric shock. The fabrication follows DIN EN 9001.

Our products are representing a high level of quality and reliability. We reserve the right to change design and/or specifications without notice. Claims of any kind can not be derived from this prospectus.

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