

# cutting up to 50 mm **CUTi, CUTLINE**

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The small power packages of the CUTi series are easy to handle and thus especially suitable for mobile use. From among the models of the series, the user may choose the unit which meets his individual requirements best.

With the plasma gas air mild steel, stainless steel, aluminium, brass, copper and other electrically conductive materials can be cut.

All CUTi inverters operate with gas-cooled plasma torches and external compressed air supply. The CUTi 35C is additionally equipped with an integrated compressor. Due to the sinusoidal power consumption with PFC (power factor correction), the inverter CUTi 35 draws its maximum power from the single-phase 230 V mains.

### **Advantages of CUTi**

- ✓ Light, portable, easy to handle
- ✓ Productive due to high cutting speed
- ✓ Energy saving due to modern inverter technique
- ✓ High cut quality
- ✓ Versatile use due to a large variety of accessories
- ✓ Safe working due to safety shut-down, also at workplaces with increased electrical endangerment
- ✓ Maintenance unit for trouble-free cutting

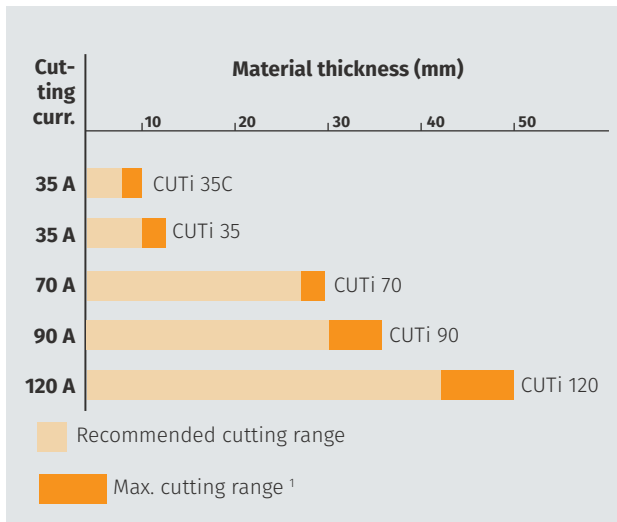
### **Advantages of CUTLINE**

- ✓ Low operating costs with liquid-cooled plasma torches
- ✓ Low material loss and reduced toxic emissions due to narrow kerfs
- ✓ Cut surfaces usable on both sides
- ✓ Plasma gouging without after-treatment
- ✓ Cutting start from the outside with burning pilot arc

## Technical data

	CUTi 35C	CUTi 35	CUTi 70	CUTi 90	CUTi 120
Mains voltage <sup>1</sup>	1 x 230 V			3 x 400 V	
Fuse, slow	16 A	16 A	16 A	25 A	25 A
Connected load max.	3,3 (4,8 <sup>1</sup> ) kVA	3,7 kVA	11,1 kVA	15 kVA	16,7 kVA
Protection class	IP 23	IP 21	IP 21	IP 21	IP 23
Cutting current	12 - 25 (35 <sup>1</sup> ) A	5 - 35 A	27 - 70 A	26 - 90 A	25 - 120 A
Duty cycle	25% - 35 A 30% - 25 A 100% - 20 A	40% - 35 A 60% - 28 A 100% - 22 A	35% - 70 A 60% 128 A 100% - 50 A	40% - 90 A 60% - 74 A 100% - 50 A	35% - 120 A 60% 95 A 100% - 80 A
Cutting range	6 (10 <sup>1</sup> ) mm	12 mm	30 mm	35 mm	50 mm
Ignition	Drawn arc	Drawn arc	Hight voltage	Hight voltage	Hight voltage
Plasma gas	Air				
Pressure	0,4 Mpa <sup>1</sup>	0,4 Mpa	0,5 Mpa	0,5 Mpa	0,5 Mpa
Air consumption	115 l / min	70 l / min	140 l / min	195 l / min	195 l / min
Dimnesion (L x W x H)	500 x 150 x 245 mm	480 x 150 x 225 mm	470 x 180 x 250 mm	470 x 180 x 250 mm	610 x 230 x 410 mm
Weight	12,5 kg	10 kg	16,4 kg	17 kg	28,5 kg

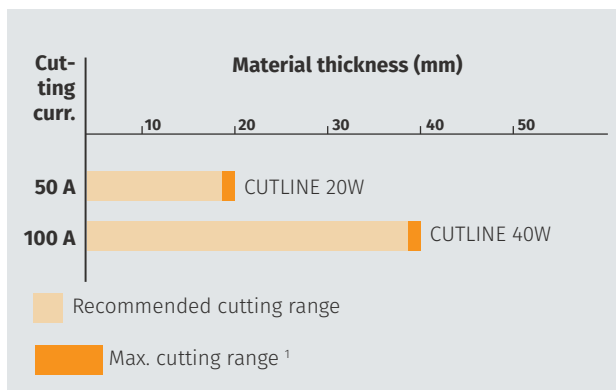
<sup>1</sup> With extended compressed air supply



<sup>1</sup> These data are depending on the materials to be cut and their compositions. <sup>3</sup> Observe piercing capability!

	CUTLINE 20W	CUTLINE 40W
Mains voltage <sup>1</sup>	3 X 230 V / 400 V	3 X 400 V
Fuse, slow	32/25 A	32 A
Connected load max.	16 kVA	24 kVA
Protection class	IP 22	IP 22
Cutting current	25 - 50 A	50 - 100 A
Duty cycle	60 %	
Cutting range	20 mm	40 mm
Ignition	High voltage	
Cooling	Kjellforst	
Plasma gas	Air	
Pressure	0,5 Mpa	0,5 Mpa
Air consumption	25 l / min	
Dimnesion (H x Sz x Ma)	670 x 490 x 880 mm	820 x 490 x 880 mm
Weight	84 kg	132 kg

<sup>1</sup> With extended compressed air supply



<sup>1</sup> These data are depending on the materials to be cut and their compositions.