

powerful plasma cutting inverters at low investment costs

CutFire 65i, 100i



For cutting electrically conductive materials with thicknesses from 1 to 20 mm Kjellberg offers the air-cooled plasma cutting inverters of the CutFire series. These plasma cutting units are particularly suited for simple and economic cutting tasks.

The CutFire 100i achieves a cutting current of 100 A at 100 % duty cycle and is thus suited for continuous operation. The CutFire 65i is characterised by its compact design and low weight. The powerful and cost-efficient inverters can be used flexibly especially in heating, ventilation and pipeline engineering. Therefore the CutFire 65i and CutFire 100i can easily be adapted to CNC guided and mechanical guiding systems.

Advantages

- Easy to use plasma cutting equipment
- Low consumable costs
- Use of air as plasma gas
- Easy pressure adjustment and monitoring
- Stepless setting of cutting current for optimal performance
- Straight and contour cutting

Application Areas

- Heating, ventilation and air condition engineering
- Pipeline engineering
- Steel and mechanical engineering
- Craft businesses, production and industrial plants

Technical data

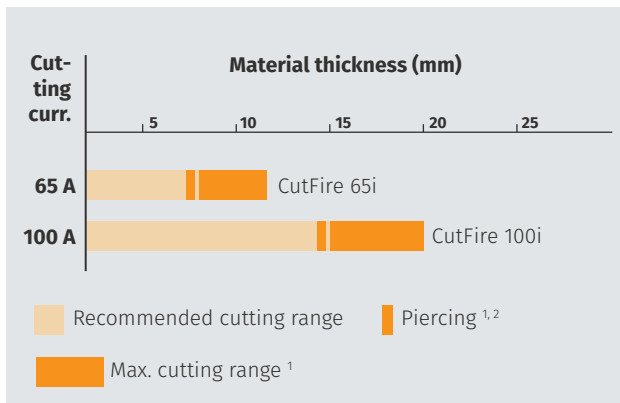
Power source	CutFire 65i	CutFire 100i
Plasma torch	KjelCut 70 Flash 100 G/L	Flash 100 G/L
Mains voltage ¹	3x400 V, 50 Hz	
Fuse, slow	25 A	
Connected load max.	9,8 kVA	166 kVA
Cutting current	65 A (100% d.c.) 50 A (100% d.c.)	100 A (100% d.c.)
Dimension (L x W x H)	470 x 180 x 270 mm	710 x 280 x 590 mm
Weight	17 kg	50 kg

¹ Other voltage and frequencies on request.

Plasma torch	KjelCut 70	KjelCut 100
Cutting range	1 to 12 mm	1 to 20 mm
Plasma gas	Air	
Torch cooling	Air	
Air consumption	140 l/min	140 l/min, 265 l/min
Pressure	5 bar	5 bar 6,5 bar
Torch shaft diameter	-	36 mm

CutFire 100i	Mild steel		Stainless steel		Aluminium	
	Material thickness (mm)	Cutting current (A)	Cutting speed (mm/min)	Cutting current (A)	Cutting speed (mm/min)	Cutting current (A)
1	35	10200	35	6500	35	5500
3	70	7000	70	5000	70	5000
6	100	4300	70	2700	70	3000
8	100	3200	100	3000	100	3000
10	100	2000	100	1900	100	2200
12	100	1800	100	1300	100	1700
15	100	1200	100	700	100	1400
20	100	400	100	320	100	800

The listed cutting speeds depend on material characteristics, gas parameters, the guiding system as well as the consumables. According to the quality parameters of the respective cutting task, the user can change the cutting speed.



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

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