

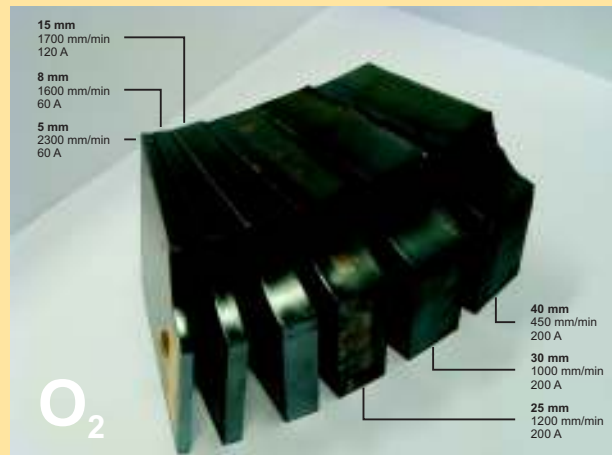
FineFocus 600

The FineFocus 600 was developed in order to meet customers' demands for a good value high-performance plasma system. The all-rounder closes a gap between Kjellberg Finsterwalde's highly valued other FineFocus systems.

The microprocessor-controlled system allows infinitely adjustable current from 40 A to 200 A (100 % duty cycle) and thus, all electrically conductive materials with a thickness from 3 mm to 60 mm can be cut. For cutting mild steel, air or oxygen is used as plasma gas, whereas stainless steel and aluminium are cut with the gas mixture argon/hydrogen.

The innovative and robust 12-pulse thyristor power source particularly stands out due to the excellent price-performance ratio. Furthermore, it is very easy to maintain due to the interface and integrated diagnosis system.

The FineFocus 600 is very well suitable for all metal working industries, like the steel industry, shipyards or steel service centres.



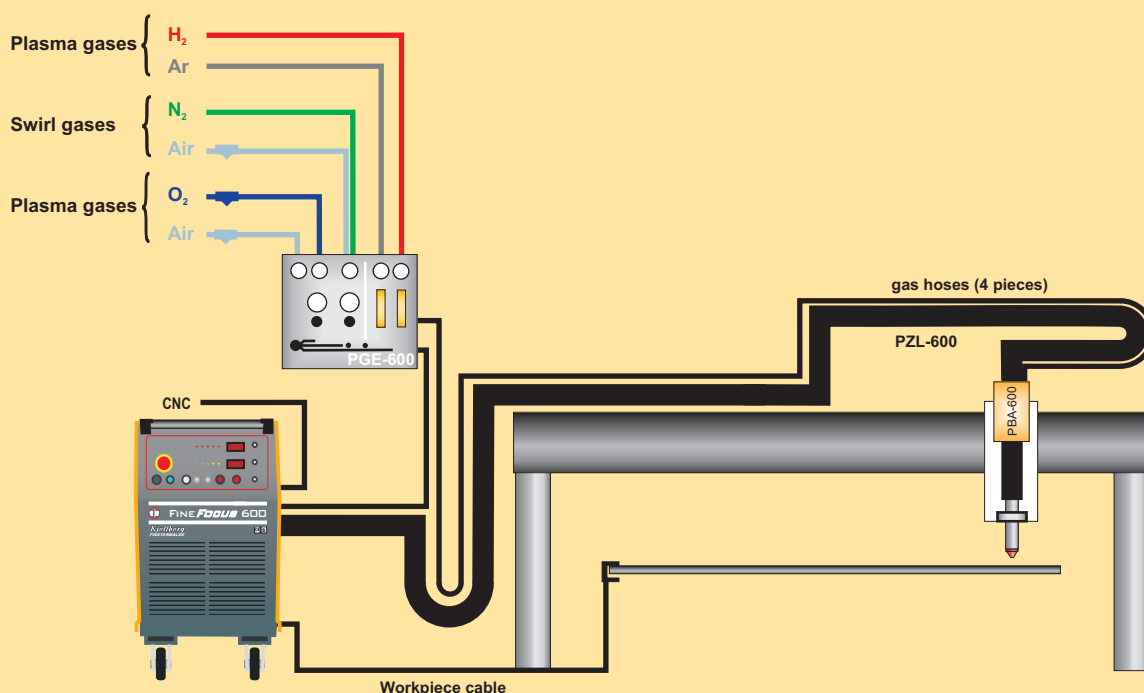
Operating data (extract)¹⁾

Material thickness (mm)	Mild steel - O ₂		Mild steel - Air	
	Cutting current (A)	Cutting speed (mm/min)	Cutting current (A)	Cutting speed (mm/min)
3	60	6000	60	6000
6	120	6500	120	4500
8	200	5000	200	4400
10	200	4500	200	3200
12	200	4000	200	3000
15	200	3500	200	2600
20	200	2300	200	1800
25	200	1700	200	1200
30	200	1000	200	750
40	200	650	200	400
50	200	300	200	120
60	200	250	200	80

¹⁾ Listed cutting speeds are depending on material characteristics, gas parameter, guiding system as well as proper consumables. According to quality requirements cutting speeds may differ.



FineFocus 600 - configuration with PGE-600



Technical Data

Power source	FineFocus 600
Mains voltage ¹⁾	400 V; 3 Ph; 50 Hz
Connected load, max.	62 kVA
Fuse, slow	100 A
Open circuit voltage	400 V
Cutting current	40 A up to 200 A, stepless 200 A / 100 % d.c.
Protection class	IP 22
Isolation class	F
Dimensions (L x W x H)	1040 x 645 x 1330 mm
Weight	370 kg
Plasma torch	PB-S60W

1) other voltages and frequencies on request

Plasma torch	PB-S60W
Max. cutting current	200 A
Duty cycle (d.c.)	100 %
Cutting range ²⁾	Dry
recommended	3 up to 40 mm
Max. thickness	up to 60 mm
Piercing	up to 30 mm
Plasma gases	Air, O ₂ , Ar, H ₂
Swirl gases	Air, N ₂
Torch cooling	Coolant „Kjellfrost“

2) material depending

Kjellberg plasma cutting systems are CE-conform and correspond with the valid guidelines and instructions of the European Union. They are developed and fabricated on basis of following standards and instructions: EN 60974 (VDE 0544). The plasma cutting systems are labelled with the S-sign and therefore applicable to environments with increased hazard of electric shock. The fabrication takes place according to DIN EN ISO 9001. The factory-owned quality assurance comprises piece and cutting performance tests, documented by test certificate.

Our products represent a high level of quality and reliability. We reserve the rights to change design and/or technical specification during the series fabrication. Claims of any kind can not be derived from this prospectus.

10-03-08

Kjellberg[®]
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