

PS 81SV *DUAL VOLTAGE / BUILT IN AIR PUMP*

**MMA/Plasma
Power Source**

Quick Specs

Industrial Applications
Maintenance
Light Construction
Prototyping
Body Shops
Fabrication
HVAC Ductwork

Power Voltage
1 Phase AC240V ±15%
3 Phase AC415V ±15%
Input Current
8.5kVA

Output Current
15-55A
15-65A
Output Voltage
96V

Duty Cycle
60%
Weight
31KG

Dimensions
D560×H510×W350MM
Cutting Capability
Rated: 25MM
Air Pressure Required
4-5.5 Bar

Portable. Professional. Rugged. Affordable.

PS 81SV plasma cutting system offers much more than you would expect from a welder this size. Weighing in at just under 31kg the Inverter PS 81SV is no lightweight contender. It packs the full punch of a heavyweight professional that you can take to the most demanding job sites. It can operate from a portable generator.

FEATURES

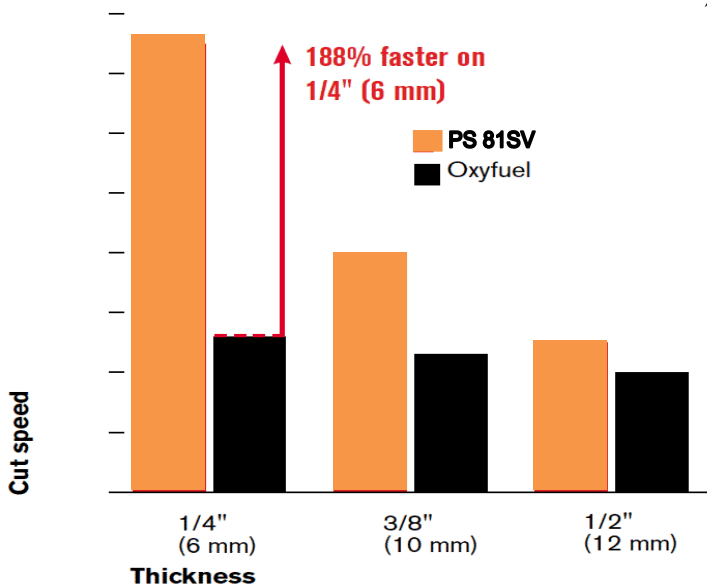
- **Pilot arc System** – Reliable plasma arc initiation with high frequency.
- **Postflow cooling circuit** extends the life of the consumables and torch by cooling them with postflow air after the trigger is released (15~20s).
- **Long Consumable Life** New heavy duty electrode and nozzle design save you money in the long run.
- **Thermal overload protection with indicator light** helps prevent machine damage if the duty cycle is exceeded or airflow is blocked.



PROCESSES

Air Plasma Cutting
Stick

Relative cut performance on mild steel.



INCLUDED

PS 81SV Machine Only Includes:

- PS 81SV
- 5M P80 PLASMA TORCH.
- 2.5M work cable and clamp.

INPUT



OUTPUT



Operating data

Capacity	Thickness	Cut speed
Handheld cut		
Recommended	1/2" (12 mm)	20 ipm (500 mm/min)
	3/4" (19 mm)	10 ipm (250 mm/min)
Severance	1" (25 mm)	5 ipm (125 mm/min.)



Welding Technology