

CUT80 SC(L2S62) | CUT100 SC (L2S72)

Power Source

Professional Cutting

- 3-phase **CUT/MMA** powerhouses excel in diverse job settings
- **High-performance cutting:** CUT80 SC (20mm quality/35mm severance), CUT100 SC (25mm quality/40mm severance)
- **SurePlasma** Technology automatically adjusts parameters in accordance with plasma torch lengths, achieving a high arc ignition success rate

Mesh cutting function

Flexible Air Supply

- (Power source) Compatible with matching air compressor module and trolley
- (Power source) Compatible with third-party air compressor
- (Air compressor) Capable of functioning as standalone air supply

Additional Features

- Optional CNC Interface for automated cutting system integration
- HF (high-frequency) and non-HF ignition versions available
- USB Type-C port



CUT80 SC/CUT100 SC

Standard Accessories

- 6M IPT80 plasma cutting torch(80A) for CUT80 SC
- 6M IPT100 plasma cutting torch (100A) for CUT100 SC
- 1 pc electrode
- 1 pc nozzle
- 300A earth clamp (3M, 25mm²)

Specifications

Plasma Cutters		CUT80 SC(L2S62)	CUT100 SC(L2S72)
Input Power Source		3ph, AC400V±15%, 50Hz	3ph, AC400V±15%, 50Hz
CUT	Rated Input Current	19 A	25 A
	Power Capacity	12.5 kVA	16.5 kVA
	Output Current Range	20~80 A	20~100 A
	Open Circuit Voltage	325 V	325 V
	Duty Cycle	40%	40%
	Good Cutting (Carbon Steel)	20mm@400mm/min	25mm@400mm/min
	Severance (Carbon Steel)	35mm	40mm
MMA	Rated Input Current	18 A	18 A
	Power Capacity	12 kVA	12 kVA
	Output Current Range	50~280 A	50~280 A
	Arc Force Range	0~60 A	0~60 A
	Hot Start Current	40 A	40 A
	Open Circuit Voltage	77 V	77 V
	Duty Cycle	25%	30%
Power Factor		≥0.9	≥0.9
Efficiency (at max current)		≥85%	≥85%
Idle Power Consumption		11 W	11 W
Insulation Class		H	H
Protection Class		IP23S	IP23S
Dimensions (L×W×H)		626×230×416 mm	626×230×416 mm
Net Weight		22 kg	23 kg



Air Compressor	AP-140 (A0S2)	AP-150 (A0S1)
Input Power Source	3ph, AC400V±15%, 50 Hz	3ph AC400V±15%, 50 Hz
Rated Input Current	2.7 A	3 A
Power Capacity	1400 kVA	1500 kVA
Air Flow Rate	145 L/min	150 L/min
Air Pressure	0.4 MPa	0.4 MPa
Insulation Class	H	H
Protection Class	IP23S	IP23S
Dimensions (L×W×H)	547×230×318 mm	547×230×318 mm
Net Weight	20 kg	21 kg

AP-140 air compressor is recommended for CUT80 SC.

AP-150 air compressor is recommended for CUT100 SC.

