

CUT-105AL

Low frequency 100% duty cycle
220v/380v 105amp plasma cutter



Industry-leading cutting quality

- Real-time communication with the CNC system, and more precise control of the cutting quality through the data base.
- Increase the current at the moment of piercing and enhance the piercing ability.
- Intelligently control the corner cutting current to improve the quality of corner cutting and avoid over-burning.

We provide a five-year warranty!

- We provide every Misson customer with a five-year warranty for the core components of the power supply. The confidence in quality comes from the dual-module IGBT and excellent heat dissipation system.
- Tower air duct and soft switch technology minimize the power consumption of each cutting.
- The electrical components used in the production process are all from large factories, and the coils are made by hand.

Advanced process control and delivery

- The selection console manages the selection and mixing the plasma gases according to the thickness and material of the cutting plate, and enhance the cutting ability of carbon steel, stainless steel and aluminum. And cutting with oxygen or nitrogen will be better than cutting with air.

Non-HF torch

- Non-High Frequency Arc Ignition Technology, Matched With Low
- Frequency Cutting Torch, Perfectly Forms The Anti-Power Interference, The Arc Starting Is More Concentrated.

Current range	105 amps
Mild Steel Cutting Performance	
Recommended cutting capacity	16mm
Torch-Model	MS-105AL(LF)
Torch cooling method	air-cooled
Piercing capacity	16mm
Input voltage	380V 3 phase
weight	44KG

Carbon steel cutting ability	105A	105AL
Recommended	0.3-16mm	0.3-16mm
Pierce	0.3-16mm	16mm
Severance	18mm	18mm
Stainless steel cutting ability		
Recommended	0.3-12mm	0.3-16mm
Pierce	0.3-16mm	16mm
Severance	18mm	18mm
Aluminum cutting ability		
Recommended	0.3-12mm	12.7mm
Pierce	0.3-12mm	12.7mm
Severance	18mm	19mm

Specifications

Standards of power supply	300~380v/3 phase 220V /50Hz±10%
input power	18.4KVA
Rated output current	105A
Rated output voltage	123V
Rated load duration	100%
No-load voltage	300VDC
Current adjustment range	30~105A
Enter the cross-sectional area of copper core wire (mm ²)	≥6 square national standard
Fuse (A)	105
Switching capacity	105
Quality perforation thickness (steel)	0.3~16mm
Maximum perforation thickness (steel)	16mm
Use plasma gas	The compressed air
Working plasma gas pressure	0.4~0.6MPa
Torch cooling method	Air-cooled
Arc ignition method	Non-contact ignition (high-frequency arc ignition)
Insulation class	Class F
Enclosure rating	IP21S
Dimensions mm length*width*height	680*340*585