



CUT SERIES

AIR PLASMA CUTTING

CUT100



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LGK=CUT



Parameter



Parameter\Model	CUT40	CUT60	CUT80	CUT100	CUT160
Input Voltage(V)	AC220±15%	AC380±15%	AC380±15%	AC380±15%	AC380±15%
Frequency(HZ)	50/60	50/60	50/60	50/60	50/60
Rated Input Current(A)	30	12	18	23.1	44.3
No-load Voltage(V)	230	295	268	268	320
Output Current Range(A)	20-40	20-60	20-80	20-100	20-160
Rated Output Voltage(V)	96	104	112	120	144
Duty Cycle(%)	60	60	60	60	60
No-load Loss(W)	40	60	60	80	100
Efficiency(%)	80	85	85	85	85
Power Factor	0.73	0.93	0.93	0.93	0.93
Insulation Grade	F	F	F	F	F
Housing Protection Grade	IP21	IP21	IP21	IP21	IP21
Arcing Way	Contact	Contact	Transfer	Transfer	Transfer
Recommended Air Pressure	4-5	4-5	4.5-5.5	4.5-5.5	4.5-5.5
Cutting Thickness(mm)	1-16	1-25	1-25	1-40	1-16
Net Weight(kg)	9	19	25	39	60
Dimension(mm)	371x153x232	480x204x303	515x263x372	560x370x350	670x337x617

Product Purchase Guide:

Base Material	Plate Thickness(mm)	Arcing Way	Current Range(A)	Applicable Model
Carbon steel, Stainless steel, Low-alloy steel	0.3-16.0	Contact	20-40	CUT40
	1.0-20.0	Contact	20-60	CUT60
	1.0-25.0	Transfer	20-80	CUT80
	1.0-40.0	Transfer	20-100	CUT100
	1.0-60.0	Transfer	20-160	CUT160

Product Speciality

1. Able to cut metal plates in various routes.
2. Outstanding cutting performance. Especially suitable for cutting carbon steel, stainless steel, aluminum and copper.
3. Widely used in iron structure construction, manufacture and automobile maintenance.
4. Improved cooling method for the cutting torch; greatly makes the cutting consumables more endurable.
5. Using air pressure adjusting equipment. Able to operate when the external air pressure is too high.
6. The cutting current is continuously adjustable. Direct and precise.
7. With protection of electro circuit against over current, over voltage and low-voltage. Safety in operation is assured.

