

Inverter Air Plasma Cutting Machine

Main Features

- All the important elements like IGBT, diode, integrated circuit and relay are world famous brand which have high reliability.
- Adopting soft switch technology, improved the IGBT and its reliability.
- 100% (40 °C) duty cycle, Inverter control power source: small volume, little weight, it can be assembled on the cross beam of CNC cutting machine.
- Current upslope function: reduce the impact on striking arc and decrease consumption of cutting torch parts.
- Air pressure, hydraulic pressure sensor: It can protect torch from being burnt efficiently. High standard design, high quality parts, meticulous manufacture: Ensure cutting quality and reliability of machine.
- Machine type setting: signal of arc striking, signal of arc voltage; two gas supply controls, capacity of high arc pressure output, Which make it quite suitable for CNC and robot cutting, fills the domestic technology blank



Main Technical Parameters

Parameters	Unit	MetalCut40	MetalCut63	MetalCut100	MetalCut120	MetalCut160	MetalCut200	MetalCut250	MetalCut300
Input Power	V/Hz	3~380V±15% 50/60Hz							
Rated Input Power	KVA	6.0	9.5	17.8	22.4	32.2	46.5	52.7	65.4
Rated Input Current	A	9.1	14.5	27		49	71		
Rated Open Circuit	V	222	260	275	275	315	315	355	380
Rated Cutting Current	A	40	63	100	120	160	200	250	300
Rated Cutting Voltage	V	96	106	120	128	144	160	180	200
Current Adj Range	A	20~40	30~63	30~100	30~120	40~160	40~200	60~250	60~300
Max Cut Thickness (Steel)	mm	20	25	40	45	55	65	70	80
Quality Cut Thickness (Steel)	mm	0.3~8	0.3~12	0.3~22	0.3~25	1~35	1~45	1~45	1~50
Applied Plasma Air	-	Compressed Air							
Air Purpose	Mpa	0.3~0.4	0.3~0.4	0.4~0.6	0.4~0.5	0.4~0.6	0.4~0.6	0.45~0.6	0.45~0.6
Current Upslope Time	S	0.1~0.2							
Output Signal Of Arc Voltage	-	1, 1/1, 20 Arc Voltage							
Cutting Torch Cooling Mode	-	Air Cooling				Air Cooling / Water Cooling			
Rated Duty Cycle	%	60/40 °C				100/40 °C			
Insulation Grade	-	F							
Protection Grade	-	IP21S							
(L x W x H) Dimentions	mm	585x280x485		695x320x580		800x380x610		890x430x900	
Power Source N. W.	Kg	25	26	51	52	73	90	129	140