

DC INVERTER AIR PLASMA CUTTING MACHINE



Features

- ◆ Double IGBT High Power Module, High Frequency, Efficiency and Energy Saving.
- ◆ Suitable for Manual Cutting & Automatic Cutting.
- ◆ CNC Compatible Machine.
- ◆ With good protection of Under-Voltage, Over-Voltage and Over-Current, it makes machine safe and reliable.
- ◆ Precise pre-setting of Voltage/Current data digitally enables easy operation.
- ◆ With choice of 2T/4T mode, convenient operation.
- ◆ Power Indicator & Over-load Indicator.
- ◆ Equipped with Air valve.

Cutting capability

■ YCUT-101

Material	0.1	5	10	15	20	25	30
Mild steel	3.3	2.0	1.1	0.65	0.45	0.3	0.1
Stainless steel	2.9	2.0	0.95	0.65	0.3	0.1	
Aluminium	2.0	0.8	0.6	0.25	0.1		
Bronze	0.7	0.25	0.1				
Copper	0.7	0.25	0.1				

* Note : The figures show the approximate cutting speed (m/min) at 100A.

Main Technical Parameters :

	YCUT-101
Input Voltage(V)	415 ± 10%, 3-ph
Frequency(Hz)	50/60
Rated input current(A)@60% duty cycle	23
Rated Input capacity(KVA)	15
Rated Output current(A)	100
Input current(A)@100% duty cycle	18
Input capacity(KVA)@100% duty cycle	12
Output current(A)@100% duty cycle	77
No-load voltage(V)	400
Plasma gas	Compressed air
Air pressure required(MPa)	0.3-0.6
Case protect class	IP23
Insulation class	H
Power factor	>0.93
Efficiency(%)	85
Arc starting	Non-contact
Torch cooling mode	Air
Max Quality Cut Thickness(Mild Steel),mm	25
Sever Cut Thickness(Mild Steel),mm	30
Max piercing thickness(Mild Steel),mm	15
Max CNC Cutting thickness(Mild Steel),mm	13
Dimension(LWH),mm	460x220x365
Weight(Kg)	18.5

Accessories



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