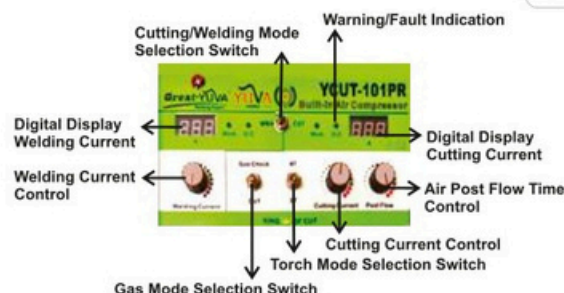


DC Inverter Air Plasma Cutting/ MMA Welding Machine

YCUT-101PR WITH INBUILT AIR COMPRESSOR

Accessories



Features

PLASMA CUTTING

- ◆ Separate Air Compressor not needed, thus easy portability of the machine and cost saving for customer.
- ◆ Inbuilt Compressor can be bypassed also and separate external compressor can be used in case of need.
- ◆ High capacity H bridge IGBT, 25KHz wave pulse control, a leading technology in industry.
- ◆ With 4T working mode, machine can work without press switch all the time, thus easy for operation.
- ◆ Precise pre-setting of parameter, thus very convenient for operator.
- ◆ High efficiency step-less double fan design, more reliable cooling system.

Main Technical Parameters :

YCUT-101PR

	CUT	MMA
Input Voltage(V)	415 ± 10%, 3-ph	
Frequency(Hz)	50/60	
Rated input current(A)@60% duty cycle	23	20
Rated Input capacity(KVA)	15	12
Rated Output current(A)	100	320
Input current(A)@100% duty cycle	18	15
Input capacity(KVA)@100% duty cycle	12	10
Output current(A)@100% duty cycle	77	248
No-load voltage(V)	400	68
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	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	-
Suitable MMA electrode dia(mm)	-	2.5/3.15/4.0
Dimension(LWH),mm	625x302x585	
Weight(Kg)	49	

MMA WELDING

- ◆ Independent system for MMA welding, no interference with PlasmaCut.
- ◆ IGBT single cycle current feedback, respond to each wave, thus more smooth for welding.
- ◆ No crystalline state main transformer, high efficiency and energy saving.
- ◆ Independent digital display for MMA welding, thus more convenient for operator.
- ◆ High capacity change-over switch design, more suitable for outdoor work.
- ◆ Suitable for Rutile, Basic, Low Alloy, Stainless Steel welding electrodes.

Cutting capability

YCUT-101PR

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.

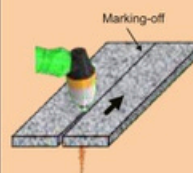
Cutting on Coated Mild Steel plate



Take Care!

- ◆ Toxic gas may be generated during cutting.
- ◆ Proper ventilation is highly recommended

Cutting made extremely convenient



Piercing made extremely convenient

