



ACUT 100 /120



Features and benefits

- Industrial standard plasma cutting machine, robust structure
- Unique IGBT soft switch technology guarantees higher efficiency and longer lifespan
- Digital model, MCU control, good arc characteristic
- Pilot arc ignition, excellent arc starting performance
- High duty cycle, up to 60% under 40C temperature and 10 minutes condition
- 2/4T trigger mode, suitable for long/short seam
- User-friendly panel, self-explanatory operation

Standard equipments

- 1 Power source
- 1 Connected primary cable L=3m
- 1 Ground cable L=3m
- 1 Pressure-reducing valve
- 1 Plasma torch

Process

Process: Plasma Cutting

Output 

Input 

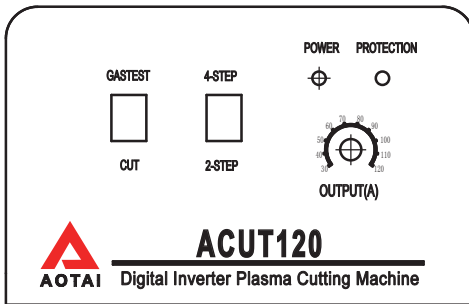
Recommended Applications

Maintenance and repair
 Industry plant and pipeline construction
 Boiler and container construction
 Metal shop
 Steel construction

Spare parts-ACUT100/120

Pictures									
Name	IGBT module	FRD module1	FRD module2	Rectifier	Main control board	Drive board	Main transformer	Power transformer	Filter capacitor
ACUT100	735007-00048	735006-00012	735006-00013	735005-00002	210580-00017	210310-00031	220629-00004	763001-00043	722001-00070
ACUT120	735007-00048	735006-00012	735006-00013	735005-00002	210580-00248	210310-00003	220629-00006	763001-00043	722001-00070

Pictures								
Name	Fan	Varistor	Solenoid valve	HF arc ignition board	Insulated transformer	Current sensor	Thermostat	Output reactor
ACUT100	746001-00011	720021-00017	752001-00005	752001-00003	763003-00023	753001-00024	745008-00006	763004-00107
ACUT120	746001-00011	720021-00017	752001-00005	752001-00003	763003-00023	753001-00024	745008-00006	763004-00107



Specification

Model	UNIT	ACUT100	ACUT120
Supply voltage	Volt	415	415
Phase	No.	3	3
Input KVA @ 100% duty Cycle	KVA	10.9	13.8
Welding current range	A	30-100	30-120
Welding current @ 60% Duty cycle	A	100	120
Welding current @ 100% Duty cycle	A	75	80
Open circuit voltage	Volt	345	345
Max. cutting thickness	mm	30	35
Quality cutting thickness	mm	1-12	1-18
Arc ignition	Type	Pilot arc(HF)	Pilot arc(HF)
Air pressure	MPa	0.45-0.55	0.45-0.55
Flow rate	L/min	250	250
Type of cooling	Type	Controlled air	Controlled air
Class of insulation	Class	H	H
Dimensions(L*W*H)	mm	576*297*557	576*297*557
Weight	Kg	43.2	43.5

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