

ARCBRO®

AirCut



Capacity	Recommended thickness (Carbon steel)	Recommended thickness (Stainless steel)	Piercing cutting thickness (mm)
AirCut 60	20	15	10
AirCut 80	25	20	12
AirCut 100	30	25	15
AirCut 120	35	30	20

1. Maximum productivity

- High ability of cutting with powerful source.
- Finish jobs faster with cut speed three times greater than oxyfuel cutting
- Digital control make the machine with steady current, high concentration and quiet good quality.
- The max pierce thickness has improved more than 20% compared to traditional plasma cutting machine.

2. Suitability

- AirCut is designed to suitable majority cutting machine in this field.
- Both hand-held or mechanized cutting can use.
- Suitable for Hypertherm and Trafimet cutting torch.

3. Stability

- Using lengthened 30 cm cutting torch, the arc striking success rate is higher than 99%.
- Non-HF striking, no high –frequency interference to CNC cutting machine

4. Low Operation Cost

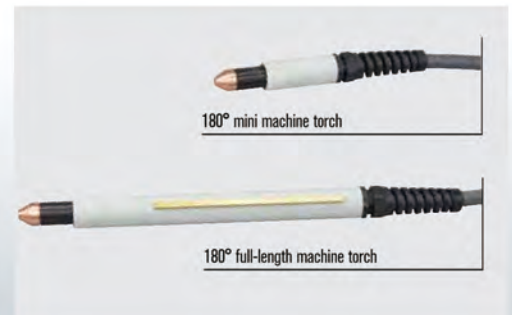
- Lining before cutting is for precision cutting to save more cutting material.
- Plasma gouging function making cutting smooth and clean, can avoid carbon carrying in seam caused by carbon arc gouging.
- Reduce costs with consumable life longer than others.

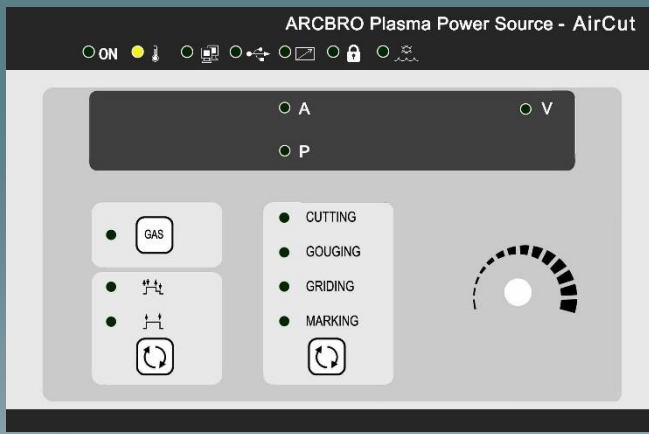
5. Modular Design


- Easy to maintenance and check

6. High Duty Circle

- Reduce cost with long consumable life and more uptime
- Maximize your cutting time with more than 95% duty cycle.





1. Four modes can be switched: Cutting, Gouging, Grinding, Marking
2. Friendly and eye-attracting display, parameters setting clearly
3. Status LEDs, real time cutting status is under control
4. Press  to adjust the function

Parameters	Model	AirCut 60	AirCut 80	AirCut 100	AirCut 120
Rated input voltage (V)		380V ±15% 50/60 Hz Three-phase AC			
Rated input current (A)		9.8	13.4	22.4	29.4
Rated output capacity(X=60%)		60A/104V	80A/112V	100A/120V	120A/128V
Rated no-load voltage(V)		307 ±5%		320 ±5%	
Rated no-load current(A)		< 1			
Energy efficiency grade		Grade 2			
Power factor(COSΦ)		0.89	0.89	0.90	0.91
Efficiency(η)		90%			
Rated duty cycle		80%			
Insulation grade		F			
Case protection class		IP23S			
Output current(A)		20~60	25~80	30~100	30~120
Ignition current(A)		25		30	
Ignition method		Non-HF			
Quality cutting thickness(mm) (Carbon steel)		20	25	30	35
Quality cutting thickness(mm) (Stainless steel)		15	20	25	30
Piercing(mm)		10	12	15	20
Dimensions(LxWxH)(mm)		592x290x503		650x326x567	
Net weight(KG)		33		46	

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