



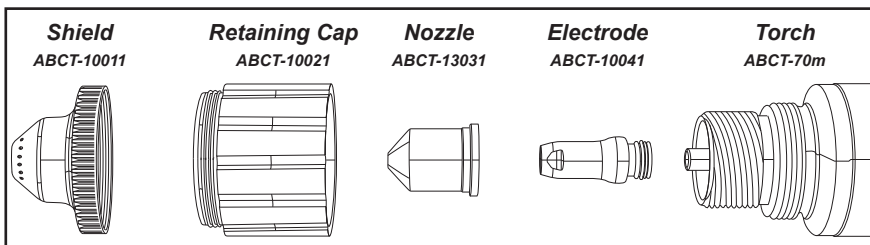
Economical Plasma Cutting Systems

AngelBlade 100EPro

Air plasma cutter high performance (compare with H plasma)

System	Output current	Piercing capability	Edge start capability	Duty cycle under max output current	100% duty cycle
AngelBlade 100EPro	20-130A	25mm	55mm	60-80%	125A
H plasma	30-125A	25mm	57mm	100%	125A

plasma cutter consumables

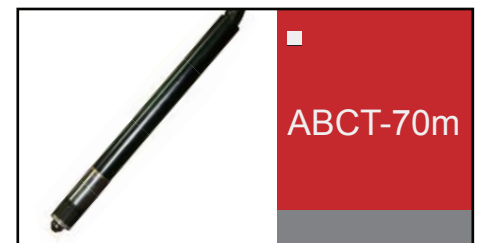


Handheld or mechanized plasma cutter torch for cutting

Capacity	Thickness	Cutting speed
Handheld plasma cutter torch		
Recommended	35mm	400mm/min
	40mm	170mm/min
Severance	57mm	100mm/min
Pierce	25mm	



Mechanized



* Handheld plasma cutter torch is optional

AngelBlade™ Air Plasma Cutter Key Technical Advantages

<ul style="list-style-type: none"> Arc System <p>Non-high-frequency pilot arc, a foreign technology of high voltage pulse arc with high success rate of arcing and no interference to any system or AVTHC.</p>
<ul style="list-style-type: none"> Stability <p>100% full inspection for main power components, which are the top-class brands imported from Europe.</p>
<ul style="list-style-type: none"> Circuit Cooling System <p>Specially-made radiator with brazing sheet and design of air duct enable the machine to work for a long time in favorable temperature and improve its duty cycle.</p>
<ul style="list-style-type: none"> Plasma Cutter Torch <p>The key part of torch is made of macromolecular materials for longer service life; Swirl ring and other plasma cutter consumables technology are applied to airflow for greatly improving plasma cut quality and piercing capability.</p>

Air Plasma Cutter 100EPro Configuration:

Name	Series No.
Operator Manual	AB-00021
Certificate	AB-00031
Fuse	AB-00041
Connecting Terminals	AB-00051
Toolkit (Electrode, Nozzle, Spanner)	AB-00061
Six-cell Plug	AB-00071
Ground Wire	AB-00081
Filter Regulator	AB-00101
Mechanized Torch 7.0m	ABCT-70m
Handheld Torch 7.0m	ABCT-70h
Shield	ABCT-10011
Retaining Cap	ABCT-10021
30A-45A Nozzle	ABCT-45031
45A-70A Nozzle	ABCT-70031
70A-100A Nozzle	ABCT-10031
100A-130A Nozzle	ABCT-13031
Electrode	ABCT-10041

Air Plasma Cutter 100EPro Technical Parameters:

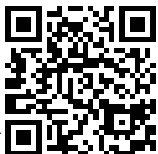
Type	60E	100E	100EPro
Parameters			
Rated Input Voltage V	380V±10% 50Hz 3 phase AC*		
Rated Input Current A	13.3A	22.3A	30A
No-load Voltage V	380V		
No-load Loss W	/		
Output Current A	20-60	20-100	20-130
Duty Cycle	80%		
Edge start capability	30	50	55
Recommended mm	20	30	35
Pierce mm	16	20	25
Arc Strike	Pulse (non-high-frequency)		
Cooling	Forced Air Cooling		
Size (WxHxL) mm	360×510×550		
Weight kg	40	50	60

* 60E, 100E: 220V 3-phase/ single phase is optional.



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plasma cutter manufacturers

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AngelBlade E Series Air Plasma Cutter - Best Quality, Least Cost!

AngelBlade E series air plasma cutter may be the first low cost inverter plasma cutter acquired complete intellectual property rights. It would not interfere with any arc voltage THC. What's more, the swirl ring and other plasma cutter consumables technology applied by AngelBlade E series best plasma cutter could remarkably improve the plasma cutter for sale and piercing thickness.

As best plasma cutter the favorable price and low cost plasma cutter consumables will make your purchase cost reduced substantially.

AngelBlade Air Plasma Cutter 100EPro Series:

Amperage (A)	Material	Torch-Distance of Workpiece (mm)	Initial Pierce Height (mm)	Thickness (mm)	Pierce Delay Time (S)	Arc Voltage (V)	Optimum Cutting Speed (mm/min)	Max Cutting Speed (mm/min)		
air plasma cutter 130A	Carbon Steel	1.5	3.8	6	0.5	142	5000	5700		
				8	0.8	146	3700	4500		
				10	1.0	146	2700	3200		
				12	1.2	150	2100	2450		
			4.5	16	1.5	155	1250	1550		
				20	2.5	160	950	1050		
				25	3.5	164	550	750		
				30	Edge Cutting	168	450	/		
			35	172		280				
			40	178		230				
			Stainless Steel	1.5	3.8	6	0.5	140	7200	7500
						10	0.5	145	2300	3500
	12	0.8				148	1800	2300		
	4.5	16				1.2	155	1200	/	
		25			1.8	158	500			
		Edge Cutting			30	165	320			
					30	165	320			
	Aluminum	1.5			3.8	6	0.5	145	7000	8000
						10	0.6	150	2800	3500
						12	0.8	160	1800	2400
						4.5	16	1.2	165	1400
					25		1.8	168	750	
			Edge Cutting	30	175		400			
				30	175		400			

The max cutting speed refers to the highest speed to be achieved when cutting materials without considering the plasma cut quality of kerf. While the optimum cutting speed can ensure a better kerf angle, free of dross and a better cutting surface.

For every cutting system in different THC systems, plasma cutter torch, air pressure or other cutting conditions, the optimum cutting speed and cutting plasma cut quality kerf can be achieved only after adjustment.

Dayo International Ltd. as plasma cutter manufacturers take environment stewardship as its core value. A series plasma cutting systems and E series air plasma cutter meet the standard of ISO 9001:2008 in design and manufacturing process.



Please refer to safety signs and related safety regulation for avoiding injury. Watch out for electric shock. or hand burn by moving parts and thermal objects. Please put on weld cap, use suitable filter glass and wear protective suit. Contact Dayo International Ltd. and ask for the method of reducing electromagnetic field on work site.