

CHAMPCUT 40PF

INVERTER BASED DC PLASMA
CUTTING MACHINE



CHAMPCUT 40PF



Key Attributes

- MCU: Digital control
- Contact arc start
- Intelligent protection: TIP torch connection alarm, Over-current, Over-heat alarm
- PFC technology: Single phase input from 95V to 275V, Power factor=0.99 for energy saving

Technical Specifications

Parameter	Values		Unit
Normal input voltage	115V, 1 Ph	240V, 1 Ph	VAC
Input voltage range	+10% -10%		VAC
Phase	1		No.
Frequency	50-60		Hz
Rated Input Power	3.7	5.1	KW
Rated Input Current	32.2	21.5	A
No-load voltage	480		VDC
Cutting Current	20 – 30	20 – 40	A
Pilot Current	20		A
Duty Cycle (40°C 10min)	30% 30A/ 88V	40% 40A/ 96V	
	60% 23A/ 89.2V	60% 26A/ 90.4V	
	100% 21A/ 88.4V	100% 21A/ 88.4V	
Max cutting thickness (carbon steel)	<=15	<=25	mm
Quality cutting thickness			
Carbon steel	<=12	<=20	
Stainless steel	<=10	<=18	
Aluminum	<=8	<=14	
Copper	<=6	<=12	
Cooling	Forced air		Type
Class of Insulation	F		-
Degree of protection	IP23		-
Dimensions (LxWxH)	430x170x270		mm
Weight approx.	12.6		kg

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