

TDL-SERIES PLASMA CUTTING MACHINE

The intelligent power source with whole-digital Microprocessor control bases on the digital platform of DSP (Hardware main circuit control) and ARM (panel communications). It applies the concept of modular design and fully reflects its characteristic of digitization, intelligent, automation, network and green. It provides a new experience for users. It can be updated easily by software. It can add new functions by software update, not change the hardware.

TIME
WELDER
TDL series

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Main Functions



- New functions: grid cutting, gouging, crossed meet the needs of more cutting occasions
- Constant current/none HF arc technology makes arc ignition high success and low electromagnetic interference
- Digital control panel, operation interface friendly, visual and easy to operate
- Fault detection intelligently
- Rich expansion interfaces and easy to connect with all kinds of welding equipments.
- Modular design, improve the products consistency and easy to update and maintain

Technical Specifications

Model	TDL600	TDL800	TDL1000	TDL1200
Rated input voltage (V)	3 phase 380V ± 10% 50/60Hz			
Rated input current (A)	9.5	13.6	22.4	29
Rated input power (kW)	6.5	9	13.8	17.7
No-load voltage (V)	307V ± 5%		320V ± 5%	
No-load loss (W)	30		50	
Input current adjusting range (A)	20~60	25~80	30~100	30~120
Line current (A)	10 20			
Power factor	COS φ ≥ 0.85			
Efficiency	η ≥ 85%			
Insulation grade	F			
Case protection grade	IP23S			
Rated duty cycle Ra	60%(60A/104V) 100%(46A/98V)	60%(80A/112V) 100%(62A/105V)	60%(100A/120V) 100%(77A/111V)	60%(120A/128V) 100%(93A/117V)
Max cutting through thickness (mm)	35	40	45	50
Quality cutting thickness (mm)	20	25	30	35
Piercing cutting thickness (mm)	10	12	15	18
Arc striking type	Non-HF			
Cooling	Air cool			
Dimension (mm)	290 × 503 × 603		320 × 567 × 650	
Net weight (kg)	33		46	