Technical Specification

Machine Model	SA 1250	SA 1000
Control mode	Full-digital	
Wire feeding drive control mode	High frequency back electromotive force control	
Input voltage	3-ph AC 380V（-15%~+25%）	
Input frequency	50/60Hz	
Input capacity	65.3kVA	52.5kVA
Power factor	≥0.92	
Efficiency	≥0.9	
Rated no-load voltage	78V	
Rated output current	100～1250A	100～1000A
Rated output voltage	20～44V	
Manual welding current	100～1250A	100～1000A
Arc gouging current	100～1250A	100～1000A
Rated duty cycle	100%	
Electromagnetic compatibility	CLass A	
Lightning protection level	D级	
JOB storage	9	
Insulation level	Transformer F, Reactor H	
Protection level	IP23	
Environment degree	－10°C～+40°C	
Volume(L x W x H)	646×386×823mm	
Main machine weight	84kg	

SAW Tractor Technical Specification

Wire feeding motor model	90ZY01
Bracket type	Dual drive
Wire feeding motor rated voltage	DC110V
Wire feed motor rated current	2A
Travel motor rated voltage	DC110V
Travel motor rated current	1A
Welding current	1250A@100%
Wire feed speed range	3.6m/min
Travel speed range	0.2~1.8m/min
Applicable wire diameter	Φ3.2、4、5、6mm
Applicable wire spool weight	25kg
Volume (L x W x H)	1020×480×740mm
Weight	60kg

Tractor Control Module Technical Specification

Model	SA 1000 / SA 1250
LED Display	Preset and actual voltage, current value display, error code display
Output control	Close control (gouging), remote control (submerged arc)
Wire diameter setting	Φ3.2、4、5、6mm
Welding control	Fixed-point arc ignition, scratch arc ignition, arc starting, welding, arc ending, wire feeding
Interface pin number	6 pins
Welding mode	CC、CV
Wire feeding	Manual wire inspection, variable-speed wire feeding, constant-speed wire feeding
Communication with main machine	High-voltage CAN
Motor control way	High-frequency back electromotive force control
Wire feeding speed	3.6m/min

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