



Welding & Cutting Machines
Accessories and Spare Parts

MMA
TIG
MIG
MAG
SAW
CUT



WHO WE ARE

NIKO Arc soaked deep into Metal Welding & Cutting process. We deal in all kinds of Welding & Cutting Machines, Accessories, Spare parts etc. We offer consultancy services and solutions for all kind of metal joining & Cutting needs. We deal in machines like MMA /Arc, Tig, MIG, CNC, Plasma Cut, Saw etc. Our basic endure is to give best equipment and dependable after sales service. We are your comprehensive one stop solution centre for all Welding & Cutting requirements, always waiting to serve you.



A200strong



Outline and Function

Applicable materials Carbon steel, low alloy steel, Stainless steel, Cast iron welding.

Applicable industries

- ✓ Iron making, Door and Window Processing Industry
- ✓ Construction installation and Decoration industry
- ✓ Metal cabinets and steel furniture industry
- ✓ Equipment installation and Mechanical Maintenance industry
- ✓ Agricultural Machinery, Motorcycles, and Automobile maintenance industries
- ✓ Billboard processing, Power station auxiliary installation industry

Product introduction

- ✓ Multifunctional welding power source, Manual welding (MMA), improve argon arc welding (LIFTTIG) dual use;
- ✓ Thermal arc starting function enables various welding rods to arc instantaneously and with high accuracy.
- ✓ Welding rods are intelligently selectable, and different models are suitable for different models. Welding rod, and can be welded for a long time;
- ✓ Arc force control prevents welding rod from sticking and enables low current welding;
- ✓ LIFT TIGSoft arc starting, no need for high frequency, reducing the impact on the human body and surrounding electrical appliances;



- ✓ The whole machine adopts microprocessor for intelligent control, and the use of more Convenient, the product is more energy-saving;
- ✓ ConfigurationVRDfunction, you can choose to turn it on or off, which is more convenient and can be used, which is beneficial to customers on different occasions. Make selections at the right time to make customers safer to use;
- ✓ Configured with anti-stick function, more intelligent and convenient for novices to use At the same time, it protects the welding rod from damage due to overheating;
- ✓ The built-in welding expert program can be called with one click to complete the process. American welding: Using output resistance sampling technology, the product can lengthen100, Powerful welding can also be performed at meters;
- ✓ Use high frequency50KHzInverter technology makes the product more energy-saving;
- ✓ The unique welding process expert system design can achieve rapid Rapid arc starting, continuous arcing, no arc deflection, excellent performance in welding acidic, alkaline, stainless steel, cast iron and other electrodes.

Parameter

Model	A200 Strong
Rated Input Voltage (V)	1Ph AC220
Frequency (Hz)	50/60
Rated Input Capacity (KVA)	8.1
Rated Input Current (A)	37
Rated Duty Cycle	40%@200A
No Load Voltage (V)	80
Output Current Range (A)	10~200
Efficiency (%)	85
Protection Class	IP21S
Insulated Grade	H
Electrode Size (mm)	1.6-5.0
Cooling Type	fan
Dimension (mm)	300*150*260
Net Weight (kg)	4.5

A200_{HEAVY}



Parameter

Model	A220 HEAVY
Rated input voltage (V)	220
Rated input frequency (HZ)	50/60
Rated input power (KVA)	10.2
Rated output power (KVA)	6.3
No-load voltage (V)	60
output current range (A)	10-220
Rated output voltage (V)	28.8
Duty cycle (%)	60
Efficiency (%)	0.85
power factor (cos)	0.73
Insulation class	F
Protection class	IP21S
Rod diameter (mm)	1.6-5.0
N.W (kgs)	7.0
G.W(kgs)	7.7
Packing size (mm)	475*220*345



A230P INDUSTRIAL



Outline and Function

- ✓ Intelligent Startup – Minimal power grid impact, Intelligent soft start, Intelligent fan control
- ✓ Thrust Control – Effectively enhances arc Penetration, Deeper fusion
- ✓ High Overload Capacity – Full Load Welding at 40 degrees Celsius, Improved work efficiency
- ✓ Hot Start- Efficiency Improves arc Ignition success Rate
- ✓ 32-Bit Micro Controller – Program Calculation , Higer overall stability
- ✓ Anti-Stick Control – Next Generation Anti-Stick Technology, resolves arc ignition stickiness issues
- ✓ Pulse Manual Welding – Reduced Welding splutter, High Weld seam quality
- ✓ Arc Ignition Tensioning – Quick Arc Ignition ,Reduced tongsten electrode wear, More stable Welding arc
- ✓ Manual Pulse- Quick mastery for beginners, easily Weld fish scale pattern
- ✓ Wide Range Of Electrode Applicability – Suitable for Stainless steel, Carbon Steel, Alkaline , Electrodes, and more
- ✓ Generator Compatibility – Operates At Voltages From 160v to 560v , Equipped with high and low voltage Protection



Parameter

Model	A230P INDUSTRIAL
Rated Input Voltage (V)	AC220±15% 50/60Hz
Rated Input Power (KW)	4.9
Rated Input Current (A)	44A
Rated Output Current (A)	200A / 28V
Welding Current Adjustment Range (A)	20-230A
No-load Voltage (V)	78
Rated Load Duration	40%
Overall Efficiency (%)	85
Power Factor	0.7
Enclosure Protection Rating	IP21
Insulation Class	F
Dimensions (mm)	350mm*175mm*310mm
Net Weight (kg)	6.76KG

Warning Display Code	Causes	Causes Of Problems	Warning Display Code	Causes	Causes Of Problems
H01	Overheating	Open Door , Check the Fan	H05	Under-voltage	Check Input Voltage
H02	over-voltage	Check Input Voltage	H06	temperature control Abnormality	Check if temperature control is effective or inspect the wiring
H03	Open Voltage Abnormality	Check the input voltage and try restarting the device	H07	Hall Sensor abnormality	Check if temperature control is effective or inspect the wiring
H04	No Load Abnormality	Check the output signal lines on MIB and transformer	H08	Internal fault	Please contact Dealer

A280P INDUSTRIAL



Outline and Function

- ✓ Full Netcom Voltage – 220v/380v full Netcom, no need to worry about using generator, Bring a higher quality welding experience
- ✓ Smart boot – When the welding machine is turned on , the impact on the power grid is small, Automatic detection of input current and voltage, output voltage,if it is true smart soft start
- ✓ Force control – effectively improve arc presentation during welding and deeper penetrationSmart fan – Strong heat dissipation, excellent energy saving
- ✓ Heavy-duty technology – Full load welding in 40c environment can achieve 100% duty cycle, 120%duty cycle can be achieved for full load welding in a 30c environment, Effectively improve work efficiency
- ✓ Innovative technology – Strongly replace the Traditional inverter DC ARC welding machine Lengthened output 100m welding wire for normal welding
- ✓ Hot Start Control- Especially Suitable for low-carbon steel J422,alkaline(J427,J506,J507,etc.)electrodes that are easy to arc
- ✓ LCD Display – Function display is more intuitive, The interface is more harmonious
- ✓ Spot Welding mode : Intelligency control the arc length to prevent the arm from buring the eyes



- ✓ Pulse Arc Welding : Welding spatter is obviously less than ordinary ARC welding, significantly improved weld quality.
- ✓ Applicable to all welders : Pulsed arc automatically and rhythmically push the electrode forward, Unused welders also can weld fish-scale welds
- ✓ 32-bit microcontroller : Program calculation ability is better , The whole machine is more stable
- ✓ Lifting TIG welding : Arc starting does not stick to the workpiece, Effectively reduce the loss of tungsten needles , The arc starting success rate is over 99%
- ✓ Powerful functions : Pulse Lift TIG up and down slope of current, Basic current/frequency/duty ratio of pulse can be adjusted
- ✓ Anti-sticking control : Adopt a new generation of anti-sticking technology, Efficiency solve the problems of arc welding rod sticking to the workpiece
- ✓ Welding special electrodes : Our pulse MMA welding machine can weld all special electrodes, especially E7018 low hydrogen heat resistant steel electrode and Boho fox cel E6010 cellulose electrode and E6013 carbon steel electrode
- ✓ Multi-core check protection – When the machine encounters a fault, it will automatically protect the machine and display the fault code

Parameter

Model	A280P INDUSTRIAL	A280P INDUSTRIAL	A280P INDUSTRIAL
Rated Input Voltage (V)	AC1—220V±15% 50/60Hz	AC1—200V±15% 50Hz	AC2—380V±15% 50Hz
Rated Input Power (KW)	5.2	7	10.4
Rated Input Current (A)	39	31.7	22.7
Rated Output Current (A)	160A/26.5	200A/28.8V	270A/30.8V
Welding Current Adjustment Range (A)	20-280	20-280	20-280
No-load Voltage (V)	80	70	70
Rated Load Duration	100%	100%	100%
Overall Efficiency (%)	85	85	85
Power Factor	0.7	0.7	0.7
Enclosure Protection Rating	IP21S	IP21S	IP21S
Insulation Class	F	F	F
Dimensions (mm)	365*220*350	365*220*350	365*220*350
Net Weight (kg)	10.78	10.78	10.78

Screen Display Code	Cause Description	Cause Of Problem	Screen Display Code	Cause Description	Cause Of Problem
E02	Overheating	Clear Dust, Check the Fan	E05	Undervoltage	Check Input Voltage
E03	Overvoltage	Check Input Voltage	E06	temperature control Abnormality	Check if temperature control is effective or inspect the wiring
E04	Input Voltage Abnormality	Check the Input Voltage and try Restarting the device	E07	Hall Sensor abnormality	Check if temperature control is effective or inspect the wiring
E08	No Load Abnormality	Check the output signal lines or MR and transformer	E08	Internal fault	Please contact Dealer

A400_{HEAVY}



Outline and Function

Function : Hand Welding.

Application Scope : Welding carbon steel , Stainless steel, Foundry Iron and so on.

- ✓ The Machine adopts advanced module IGBT HF Inverter Technology with IGBT Inverter soft switch technology,the Machine is efficient, energy, saving and reliable.
- ✓ Welding and arc force current can be adjusted respectively, suitable for Welding all kinds of acid and basic Welding rods.
- ✓ Welding current is stepless so the machine can be applied in varieties of welding rods in different diameters.
- ✓ The Machine can protect itself from the damage of overvoltage, undervoltage, overflow an overload.
- ✓ Easy arc-striking stable arc, less splash, beautiful weld forming.



Parameter

Model	A400 HEAVY
Voltage(V)	3-415 $\pm$ 10%
Frequency(Hz)	50/60
Rated Input Capacitor(KVA)	20
Rated Input Current(A)	27
Rated Output Voltage(V)	36
Power Factor	0.91
Output no-load Voltage(V)	76
Rated Duty Cycle(%)	60
Output Current Range(A)	40-400
Wire Diameter(mm)	$\leq \varnothing 5$
Efficiency(%)	85
Insulation Class	F
Protection Degree	IP21S
Cooling	Air Cooling
Dimension(mm)	570*290*485
Net Weight(kg)	30
Gross Weight (kg)	32.5

Base metal	Slab Thickness	Welding Rod Diameter	Current Range	Applicable Model
Carbon Steel , Stainless Steel / Low Alloy Steel	2.0-20	2.5/3.2/4.0/5.0/6.0	40-400	A400
	2.0-25	2.5/3.2/4.0/5.0/6.0	40-500	A500
	2.0-30	2.5/3.2/4.0/5.0/6.0	40-630	A630
	2.0-35	2.5~15	60-1000	A1000

A400 INDUSTRIAL



Outline and Function

Function : Hand Welding

Application Scope : Welding in Carbon Steel , Stainless Steel , Foundry iron and etc

- ✓ The machine adopts advanced module IGBT HF inverter technology.
- ✓ Welding and arc force current can be adjusted respectively, suitable for welding all kinds of acid and basic welding rods.
- ✓ Welding current is stepless so the machine can be applied in varieties of welding rods in different diameters.
- ✓ The machine can protect itself from the damage of overvoltage , undervoltage , overflow and overload.
- ✓ Easy arc-striking stable arc , less splash , beautiful weld forming.



Parameter

Model	A400 INDUSTRIAL
Voltage(V)	3-415 $\pm$ 10%
Frequency(Hz)	50/60
Rated Input Capacitor(KVA)	20
Rated Input Current(A)	27
Rated Output Voltage(V)	36
Power Factor	0.91
Output no-load Voltage(V)	76
Rated Duty Cycle(%)	60
Output Current Range(A)	40-400
Wire Diameter(mm)	$\leq \varnothing 5$
Efficiency(%)	85
Insulation Class	F
Protection Degree	IP21S
Cooling	Air Cooling
Dimension(mm)	570*290*485
Net Weight(kg)	30
Gross Weight(kg)	32.5

Base metal	Slab Thickness	Welding Rod Diameter	Current Range	Applicable Model
Carbon Steel , Stainless Steel / Low Alloy Steel	2.0-20	2.5/3.2/4.0/5.0/6.0	40-400	A400
	2.0-25	2.5/3.2/4.0/5.0/6.0	40-500	A500
	2.0-30	2.5/3.2/4.0/5.0/6.0	40-630	A630
	2.0-35	2.5~15	60-1000	A1000

A500 INDUSTRIAL



Outline And Function

Function : Hand Welding.

Application Scope : Welding carbon steel , Stainless steel, Foundry Iron and so on.

- ✓ The Machine adopts advanced module IGBT HF Inverter Technology with IGBT Inverter soft switch technology, the Machine is efficient, energy saving and reliable.
- ✓ Welding and arc force current can be adjusted respectively, suitable for Welding all kinds of acid and basic Welding rods.
- ✓ Welding current is stepless so the machine can be applied in varieties of welding rods in different diameters.
- ✓ The Machine can protect itself from the damage of overvoltage, undervoltage, overflow and overload.
- ✓ Easy arc-striking stable arc, less splash, beautiful weld forming.



Parameter

Model	A500 INDUSTRIAL
Voltage(V)	3-415 $\pm$ 10%
Frequency(Hz)	50/60
Rated Input Capacitor(KVA)	29
Rated Input Current(A)	40
Rated Output Voltage(V)	40
Power Factor	0.91
Output no-load Voltage(V)	84
Rated Duty Cycle(%)	60
Output Current Range(A)	40-500
Wire Diameter(mm)	$\leq \varnothing 6$
Efficiency(%)	88
Insulation Class	F
Protection Degree	IP21S
Cooling	Air Cooling
Dimension(mm)	595*305*515
Net Weight(kg)	38
Gross Weight (kg)	40.5

Base metal	Slab Thickness	Welding Rod Diameter	Current Range	Applicable Model
Carbon Steel , Stainless Steel / Low Alloy Steel	2.0-20	2.5/3.2/4.0/5.0/6.0	40-400	A400
	2.0-25	2.5/3.2/4.0/5.0/6.0	40-500	A500
	2.0-30	2.5/3.2/4.0/5.0/6.0	40-630	A630
	2.0-35	2.5~15	60-1000	A1000

A630 INDUSTRIAL



Outline and Function

Function : Hand Welding.

Application Scope : Welding carbon steel , Stainless steel, Foundry Iron and so on.

- ✓ The Machine adopts advanced module IGBT HF Inverter Technology with IGBT Inverter soft switch technology, the Machine is efficient, energy saving and reliable.
- ✓ Welding and arc force current can be adjusted respectively, suitable for Welding all kinds of acid and basic Welding rods.
- ✓ Welding current is stepless so the machine can be applied in varieties of welding rods in different diameters.
- ✓ The Machine can protect itself from the damage of overvoltage, undervoltage, overflow and overload.
- ✓ Easy arc-striking stable arc, less splash, beautiful weld forming.



Parameter

Model	A630 INDUSTRIAL
Voltage(V)	3-415 $\pm 10\%$
Frequency(Hz)	50/60
Rated Input Capacitor(KVA)	38
Rated Input Current(A)	54
Rated Output Voltage(V)	44
Power Factor	0.93
Output no-load Voltage(V)	84
Rated Duty Cycle(%)	60
Output Current Range(A)	40-630
Wire Diameter(mm)	$\leq \varnothing 6$
Efficiency(%)	88
Insulation Class	F
Protection Degree	IP21S
Cooling	Air Cooling
Dimension(mm)	660*320*600
Net Weight(kg)	43
Gross Weight (kg)	45.5

Base metal	Slab Thickness	Welding Rod Diameter	Current Range	Applicable Model
Carbon Steel , Stainless Steel / Low Alloy Steel	2.0-20	2.5/3.2/4.0/5.0/6.0	40-400	A400
	2.0-25	2.5/3.2/4.0/5.0/6.0	40-500	A500
	2.0-30	2.5/3.2/4.0/5.0/6.0	40-630	A630
	2.0-35	2.5~15	60-1000	A1000

A1000 INDUSTRIAL



Outline and Function

Function : Carbon arc gouging MMA

Application Scope : Gouging and welding CS,SS and cast iron

- ✓ With advanced IGBT HF inverter soft switch technology, the machine is efficient, energy-saving and reliable.
- ✓ Excellence welding performance, beautiful weld form.
- ✓ High-intensity arc force current adjustment, Stepless welding current.
- ✓ Perfect overcurrent and overload Self-Protection function.
- ✓ High-efficiency, Energy-saving, Small and portable, Easy to work at height.



Parameter

Model	A1000 INDUSTRIAL
Voltage(V)	3-415 $\pm$ 10%
Frequency(Hz)	50/60
Rated Input Capacitor(KVA)	57
Rated Input Current(A)	80
Rated Output Voltage(V)	44V
Power Factor	0.91
Output no-load Voltage(V)	84
Rated Duty Cycle(%)	60
Output Current Range(A)	60-1000
Wire Diameter(mm)	$\leq \varnothing 12$
Efficiency(%)	93
Insulation Class	F
Protection Degree	IP21S
Cooling	Air Cooling
Dimension(mm)	760*345*760
Net Weight(kg)	89
Gross Weight(kg)	91.5

Base metal	Slab Thickness	Welding Rod Diameter	Current Range	Applicable Model
Carbon Steel , Stainless Steel / Low Alloy Steel	2.0-20	2.5/3.2/4.0/5.0/6.0	40-400	A400
	2.0-25	2.5/3.2/4.0/5.0/6.0	40-500	A500
	2.0-30	2.5/3.2/4.0/5.0/6.0	40-630	A630
	2.0-35	2.5~15	60-1000	A1000

T200P^{SUPER}



Outline and Function

Function Introduction: Easy TIG , Pro TIG , Pulsed TIG , Cold TIG , MMA

Application Industry : Stainless steel Processing , Petrochemical Industry , Pressure Vessel , Electric Power Construction , Ships , Bicycles , Nuclear Power , Pipeline Installation ,etc.

Performance Characteristics :

- ✓ Using advanced Inverter Technology , High Working Frequency ,Small Size , Light Weight and Easy to Carry.
- ✓ The arc is stable and the splash is small.
- ✓ Uniques Output characteristic Design , More suitable for filler wire Welding , Beautiful Welding Seam.
- ✓ It can work Continuously, has stable Performance , and has the Function of Automatic Compensation for voltage fluctuations and has the function of automatic compensation for voltage fluctuations.
- ✓ Simple Structure , Excellent Craftsmanship , Reliable and Durable , easy to maintain.
- ✓ Suitable for Welding of Stainless Steel , Carbon Steel , Copper and other Metals.



Gas Conditioning:	Gas Pre Time (S) 0.1~3
	Gas Post Time (S) 0.5~20
Current Parameters :	Arcing Current (A) 5-200
	Stopping Current (A) 5-200
	Start slope time (S) 0.1~10
	Down Slope Time (S) 0.1~10
Cold Welding Parameters :	Base Current (A) 5-200
	Frequency (Hz) 0.1-99
	Duty Cycle (%) 10~90
Pulse Parameters	Welding Time (MS) 1~500
	Interval Time(MS) 100~990
Welding Mode	2T

Parameter

Model	T200P SUPER	T200P SUPER	T200P SUPER	T200P SUPER
Rated Input Voltage/frequency	220V±10%50Hz	Argon arc welding TIG	Arcing current (A)	5-200
Rated Input Capacity (KVA)	7.3		Arc closing current (A)	5-200
Rated Input Current (A)	33.1		Current ramp-up time (S)	0.1-10
Rated Load Duration (%)	100		Current decay time (S)	0.1-10
DC constant current Welding current (A)	5-200		Aspiration time in advance	0.1-3
DC pulse Peak current (A)	200		Delay time of gas stop (S)	0.5-20
DC pulse Base current (A)	5		Arc closing cur working	4T
DC pulse duty cycle (%)	10-90		TIG ignition method	high frequency
DC Pulse frequency (Hz)	0.1-99	Hand arc welding	Welding current (A)	20-200
Enclosure rating	Ip21	cold welding	Welding current (MS)	1-500
Insulation class	F	cold welding	Interval time (MS)	200-990
Dimensions (mm)	360MM*160MM*330MM	Torch cooling method	Torch cooling method	Air-cooled
net weight (KG)	8.16KG			

Screen Display Code	Code Description	Quick Fix Problem	Screen Display Code	Code Description	Quick Fix Problem
E01	Overheating	Open Dust, Check the Fan	E02	Undervoltage	Check input voltage
E02	overvoltage	Check input voltage	E03	temperature control abnormality	Check if Temperature control is effective or inspect the wiring
E03	Reset Voltage Abnormality	Check the input Voltage and try Restarting the device	E04	Hot Sensor abnormality	Check if Temperature control is effective or inspect the wiring
E04	No load abnormality	Check the output signal lines or MR and transformer	E05	Internal fault	Please contact dealer



T400 INDUSTRIAL



Outline and Function

Function : Argon arc welding, pulsed argon arc welding and hand welding.

Application Scope : Welding carbon steel, Stainless steel, Foundry iron, copper and etc.

- ✓ With IGBT inverter soft switch technology, the machine is efficient, energy-saving and reliable.
- ✓ Digital preset display of welding function parameters, simple operation and easy adjustment.
- ✓ Welding current can be switching continuously in a wide range so the machine can be applied in welding wires and rods of different diameters.
- ✓ The machine can protect itself from overvoltage, undervoltage, overflow, overload and so on.
- ✓ 100% arc-striking success rate, stable arc, less splash, beautiful weld folding.



Parameter

Model	T400 INDUSTRIAL
Voltage(V)	3-415 $\pm$ 10% 50/60Hz
Rated Input Capacitor(KVA)	20
Rated Input Current(A)	30/21
Power Factor	0.91
Rated Duty Cycle(%)	60
Output Current Range(A)	20-400
Output no-load Voltage(V)	76
Efficiency	85
Insulation Class	F
Shell protection degree	IP21S
Cooling	air
Dimension(mm)	570*290*485
Net Weight(kg)	36

Base Metal	Type	Slab Thickness	Current Range	Type	Slab Thickness
Carbon steel,Stainless steel,Low-alloy steel	Hand Welding	2.0-20	20-400	Argon arc welding	0.5-20

T400P INDUSTRIAL



Outline and Function

Function : Argon arc welding, pulsed argon arc welding and hand welding.

Application Scope : Welding carbon steel, Stainless steel, Foundry iron, copper and etc.

- ✓ With IGBT inverter soft switch technology, the machine is efficient, energy-saving and reliable.
- ✓ Digital preset display of welding function parameters, simple operation and easy adjustment.
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- ✓ The machine can protect itself from overvoltage, undervoltage, overflow, overload and so on.
- ✓ 100% arc-striking success rate, stable arc, less splash, beautiful weld folding.



Parameter

Model	T400 P INDUSTRIAL
Voltage(V)	3-415 $\pm$ 10% 50/60Hz
Rated Input Capacitor(KVA)	20
Rated Input Current(A)	27
Power Factor	0.91
Rated Duty Cycle(%)	60
Output Current Range(A)	20-400
Output no-load Voltage(V)	76
Efficiency	88
Insulation Class	F
Shell protection degree	IP21S
Wire Diameter	$\leq \varnothing 5$
Cooling	Air cooling
Dimension(mm)	535*290*500
Net Weight(kg)	32

Base Metal	Type	Slab Thickness	Current Range	Type	Applicable Model
Carbon steel,Stainless steel,Low-alloy steel	Hand Welding	2.0-20	20-400	Argon arc welding	T400P
		2.0-25	20-500		T500P
		2.0-30	20-630		T630P

T500P INDUSTRIAL



Outline and Function

Function : Argon arc welding, pulsed argon arc welding and hand welding.

Application Scope : Welding carbon steel, Stainless steel, Foundry iron, copper and etc.

- ✓ With IGBT inverter soft switch technology, the machine is efficient, energy-saving and reliable.
- ✓ Digital preset display of welding function parameters, simple operation and easy adjustment.
- ✓ Welding current can be switching continuously in a wide range so the machine can be applied in welding wires and rods of different diameters.
- ✓ The machine can protect itself from overvoltage, undervoltage, overflow, overload and so on.
- ✓ 100% arc-striking success rate, stable arc, less splash, beautiful weld folding.



Parameter

Model	T500 P INDUSTRIAL
Voltage(V)	3-415 $\pm$ 10% 50/60Hz
Rated Input Capacitor(KVA)	29
Rated Input Current(A)	40
Power Factor	0.91
Rated Duty Cycle(%)	60
Output Current Range(A)	20-400
Output no-load Voltage(V)	84
Efficiency	88
Insulation Class	F
Shell protection degree	IP21S
Wire Diameter	$\leq \varnothing 5$
Cooling	Air cooling
Dimension(mm)	600*300*585
Net Weight(kg)	32

Base Metal	Type	Slab Thickness	Current Range	Type	Applicable Model
Carbon steel,Stainless steel,Low-alloy steel	Hand Welding	2.0-20	20-400	Argon arc welding	T400P
		2.0-25	20-500		T500P
		2.0-30	20-630		T630P



T630P INDUSTRIAL

Outline and Function

Function : Argon arc welding, pulsed argon arc welding and hand welding.

Application Scope : Welding carbon steel, Stainless steel, Foundry iron, copper and etc.

- ✓ With IGBT inverter soft switch technology, the machine is efficient, energy-saving and reliable.
- ✓ Digital preset display of welding function parameters, simple operation and easy adjustment.
- ✓ Welding current can be switching continuously in a wide range so the machine can be applied in welding wires and rods of different diameters.
- ✓ The machine can protect itself from overvoltage, undervoltage, overflow, overload and so on.
- ✓ 100% arc-striking success rate, stable arc, less splash, beautiful weld folding.



Parameter

Model	T630 P INDUSTRIAL
Voltage(V)	3-415 $\pm$ 10% 50/60Hz
Rated Input Capacitor(KVA)	37
Rated Input Current(A)	56/43
Power Factor	0.91
Rated Duty Cycle(%)	60
Output Current Range(A)	20-630
Output no-load Voltage(V)	76
Efficiency	85
Insulation Class	F
Shell protection degree	IP21S
Wire Diameter	
Cooling	Air / Water
Dimension(mm)	626*318*560
Net Weight(kg)	43

Base Metal	Type	Slab Thickness	Current Range	Type	Applicable Model
Carbon steel,Stainless steel,Low-alloy steel	Hand Welding	2.0-20	20-400	Argon arc welding	T400P
		2.0-25	20-500		T500P
		2.0-30	20-630		T630P

T200P CCID



Outline and Function

Features:

- ✓ HF Inverter frequency makes the current output more stable, the welding seam more smooth and beautiful.
- ✓ Stable Small Current output makes welding easier.
- ✓ The Arc stiffness is enhanced and the current is more concentrated.

Parameters:

- ✓ Digital IGBT inverter control technology
- ✓ Small current 2A, stable arc striking with arc starting success signal.
- ✓ With 5 sets of Welding parameter storage functions
- ✓ The interface configuration is complete and can be directly equipped with a robot or a special machine.
- ✓ High frequency could reach 500HZ.
- ✓ High working frequency, with strong ability to resist external interference.

Parameter

Model	T200P CCID
Welding Mode	DC TIG welding / STICK welding
Rated supply voltage	1 phase, 220V
Rated supply frequency	50 / 60Hz
Rated input Power	8.7kVA above
Rated welding current (TIG / STICK welding)	200 A / 160 A
Rated welding voltage (TIG / STICK welding)	18 V / 26 V
Duty cycle[10 min, period] (TIG / STICK welding)	20% / 35%
Adjustable range of welding current TIG	DC 5 - 200 A
Adjustable range of welding current STICK	DC 15 - 160 A
Voltage reduction function	18 V + 10% / -15%
Welding parameter memory	Store 5 sets available
Torch switch receptacle	10 pin
Input cable(with round crimping terminal)	3.5mm ²
Cooling system	forced air cooling by fan
Gross weight	13.85kg
Packing dimensions [L*W*H]	570*350*510mm
Insulation class	Class H
Weldable thickness of stainless steel	0.1-3mm
Real current	200A

T300P_{CCID}



Outline and Function

Features:

- ✓ HF Inverter frequency makes the current output more stable, the welding seam more smooth and beautiful.
- ✓ Stable Small Current output makes welding easier.
- ✓ The Arc stiffness is enhanced and the current is more concentrated.

Parameters:

- ✓ Digital IGBT inverter control technology
- ✓ Small current 2A, stable arc striking with arc starting success signal.
- ✓ With 5 sets of Welding parameter storage functions
- ✓ The interface configuration is complete and can be directly equipped with a robot or a special machine.
- ✓ High frequency could reach 500HZ.
- ✓ High working frequency, with strong ability to resist external interference.

Parameter

Model	T300P CCID
Welding Mode	DC TIG welding / STICK welding
Rated supply voltage	3 phase, 415V
Rated supply frequency	50 / 60Hz
Rated input Power	16kVA above
Rated welding current (TIG / STICK welding)	300 A / 300 A
Rated welding voltage (TIG / STICK welding)	22 V / 32 V
Duty cycle[10 min, period] (TIG / STICK welding)	40% / 40%
Adjustable range of welding current TIG	DC 5 - 300 A
Adjustable range of welding current STICK	DC 15 - 300 A
Voltage reduction function	18 V + 10% / -15%
Welding parameter memory	Store 5 sets available
Torch switch receptacle	14 pin
Input cable(with round crimping terminal)	5.5mm ²
Cooling system	forced air cooling by fan
Gross weight	42.7kg
Packing dimensions [L*W*H]	630*350*710mm
Insulation class	Class H
Weldable thickness of stainless steel	0.1-4.5mm
Real current	300A

T400P_{CCID}



Outline and Function

Features:

- ✓ HF Inverter frequency makes the current output more stable, the welding seam more smooth and beautiful.
- ✓ Stable Small Current output makes welding easier.
- ✓ The Arc stiffness is enhanced and the current is more concentrated.

Parameters:

- ✓ Digital IGBT inverter control technology
- ✓ Small current 2A, stable arc striking with arc starting success signal.
- ✓ With 5 sets of Welding parameter storage functions
- ✓ The interface configuration is complete and can be directly equipped with a robot or a special machine.
- ✓ High frequency could reach 500HZ.
- ✓ High working frequency, with strong ability to resist external interference.



Parameter

Model	T400P CCID
Welding Mode	DC TIG welding / STICK welding
Rated supply voltage	3 phase, 415V
Rated supply frequency	50 / 60Hz
Rated input Power	24kVA above
Rated welding current (TIG / STICK welding)	400 A / 400 A
Rated welding voltage (TIG / STICK welding)	26 V / 36 V
Duty cycle[10 min, period] (TIG / STICK welding)	25% / 25%
Adjustable range of welding current TIG	DC 5 - 400 A
Adjustable range of welding current STICK	DC 15 - 400 A
Voltage reduction function	18 V + 10% / -15%
Welding parameter memory	Store 5 sets available
Torch switch receptacle	14 pin
Input cable(with round crimping terminal)	5.5mm ²
Cooling system	forced air cooling by fan
Gross weight	41.9kg
Packing dimensions [L*W*H]	630*350*710mm
Insulation class	Class H
Weldable thickness of stainless steel	0.1-6mm
Real current	400A

M270 INDUSTRIAL



Outline and Function

Welding Processes : MIG/MMA/LIFT-TIG

- ✓ Single Pulse function Built-in enable the Machine to weld Aluminium;
- ✓ Dual Voltage : 1 Ph-220V/3Ph-380V
- ✓ Built in high-Speed ARM control Platform and fine wave control Method;
- ✓ Welding Spatter is small and welding seam is beautiful;
- ✓ Arc Force adjustments and anti stick function are equipped for MMA function ;
- ✓ Synergic Operation makes the Machine easy to be Operated;
- ✓ Error code display function helps find out the problem easily



Parameter

MODEL	M270 Industrial	
Rated input voltage	1-AC220V $\pm$ 15% 50/60HZ	3-AC380V $\pm$ 15% 50/60HZ
Rated input capacity	12KVA	12KVA
Rated input current	52A	19A
No-load voltage	DC75V	DC63V
Output current adjustment range	40~315A	40~315A
Output voltage regulation range	12~32V	12~32V
Rated load duration rate	12~32V 60%	12~32V 60%
Wire diameter used	0.8~ ϕ 1.2	0.8~ ϕ 1.2
Power factor COS ϕ	$\geq$ 0.82	$\geq$ 0.82
Efficiency η	$\geq$ 68%	$\geq$ 85%
Dimensions (L $\times$ W $\times$ H)	535*312*435mm	535*312*435mm
weight	14KG	14KG
Protection class	IP21S	IP21S
Insulation class	H	H

Base metal	Welding Mode	Welding Rod Diameter	Current Range	Applicable Model
Carbon Steel , Stainless Steel / Low Alloy Steel	CO2/MAG	0.8/1.0	40-270	M270
	CO2/MAG	0.8/1.0/1.2	50-350/400	M400
	CO2/MAG	1.0/1.2/1.6	80-500	M500
	CO2/MAG	1.0/1.2/1.6	100-630	M630

M400_{HEAVY}



Outline and Function

Function : CO₂/MAG Gas Shielding Welding.

Application Scope : Welding in Carbon Steel, Stainless steel, Copper and etc.

- ✓ The machine can display the digit preset. Current and voltage can be switched respectively and continuously in a wide range.
- ✓ With IGBT inverter soft switch technology, the machine is efficient, energy, Saving and reliable.
- ✓ With electronic reactor regulation, the Welding Process is stable, Less splash, with Deep Molten Pool and beautiful weld forming,
- ✓ The machine can strike arc in constant flow and has intelligent regulation of arcing de-ball function and excellent arc-striking ability .
- ✓ The machine can be equipped with varieties of Automatic Welding Equipment, Meeting the Demands of different process requirments

Parameter

Model	M400 HEAVY
Voltage(V)	3-415 $\pm$ 10%
Frequency(Hz)	50/60
Rated Input Capacitor(KVA)	17
Rated Input Current(A)	27
Rated Output Current(A)	350
Rated Output Voltage(V)	31.5
Rated no-load Voltage(V)	68
Rated Duty Cycle(%)	60%
Efficiency(%)	87
Power Factor(COS)	0.73
Output Current Range(A)	40-350
Output Voltage Range(V)	14-39
Adjustment of Wire Fedding Speed(m/min)	1~24
Arc-ending Current(A)	40-350
Arc-ending Voltage(V)	16-31.5
Wire Diameter(mm)	Ø0.8,Ø1.0,Ø1.2
Cooling Way	Air Cooling
Insulation Class	F
Protection Degree	IP21S
Welding Mode	CO ₂ /MAG
Dimension(mm)	514*278*450
Net Weight(kg)	28
Gross Weight (kg)	30

Base metal	Welding Mode	Welding Rod Diameter	Current Range	Applicable Model
Carbon Steel , Stainless Steel / Low Alloy Steel	CO ₂ /MAG	0.8/1.0	40-270	M270
	CO ₂ /MAG	0.8/1.0/1.2	50-350/400	M400
	CO ₂ /MAG	1.0/1.2/1.6	80-500	M500
	CO ₂ /MAG	1.0/1.2/1.6	100-630	M630

M400STRONG



Outline and Function

Function : CO2/MAG Gas Shielding Welding

Application Scope : Welding in Carbon Steel, Stainless steel, Copper and etc.

- ✓ The machine can display the digit preset. Current and voltage can be switched respectively and continuously in a wide range.
- ✓ With IGBT inverter soft switch technology, the machine is efficient, energy, Saving and reliable.
- ✓ With electronic reactor regulation, the Welding Process is stable, Less splash, with Deep Molten Pool and beautiful weld forming.
- ✓ The machine can strike arc in constant flow and has intelligent regulation of arcing de-ball function and excellent arc-striking ability .
- ✓ The machine can be equipped with varieties of Automatic Welding Equipment, Meeting the Demands of different process requirments



Parameter

Model	M400 STRONG
Voltage(V)	3-415 $\pm$ 10%
Frequency(Hz)	50/60
Rated Input Capacitor(KVA)	17
Rated Input Current(A)	27
Rated Output Current(A)	350
Rated Output Voltage(V)	31.5
Rated no-load Voltage(V)	68
Rated Duty Cycle(%)	60%
Efficiency(%)	87
Power Factor(COS)	0.73
Output Current Range(A)	40-350
Output Voltage Range(V)	14-39
Adjustment of Wire Fedding Speed(m/min)	1~24
Arc-ending Current(A)	40-350
Arc-ending Voltage(V)	16-31.5
Wire Diameter(mm)	Ø0.8,Ø1.0,Ø1.2
Cooling Way	Air Cooling
Insulation Class	F
Protection Degree	IP21S
Welding Mode	CO2/MAG
Dimension(mm)	514*278*450
Net Weight(kg)	28
Gross Weight(kg)	30

Base metal	Welding Mode	Welding Rod Diameter	Current Range	Applicable Model
Carbon Steel , Stainless Steel / Low Alloy Steel	CO2/MAG	0.8/1.0	40-270	M270
	CO2/MAG	0.8/1.0/1.2	50-350/400	M400
	CO2/MAG	1.0/1.2/1.6	80-500	M500
	CO2/MAG	1.0/1.2/1.6	100-630	M630

M400 INDUSTRIAL



Outline and Function

Function : CO₂/MAG Gas Shielding Welding.

Application Scope : Welding in Carbon Steel, Stainless steel, Copper and etc.

- ✓ The machine can display the digit preset. Current and voltage can be switched respectively and continuously in a wide range.
- ✓ With IGBT inverter soft switch technology, the machine is efficient, energy, Saving and reliable.
- ✓ With electronic reactor regulation, the Welding Process is stable, Less splash, with Deep Molten Pool and beautiful weld forming,
- ✓ The machine can strike arc in constant flow and has intelligent regulation of arcing de-ball function and excellent arc-striking ability .
- ✓ The machine can be equipped with varieties of Automatic Welding Equipment, Meeting the Demands of different process requirments

Parameter

Model	M400 INDUSTRIAL
Voltage(V)	3-415 ±10%
Frequency(Hz)	50/60
Rated Input Capacitor(KVA)	17
Rated Input Current(A)	27
Rated Output Current(A)	350
Rated Output Voltage(V)	31.5
Rated no-load Voltage(V)	68
Rated Duty Cycle(%)	100%
Efficiency(%)	87
Power Factor(COS)	0.73
Output Current Range(A)	40-400
Output Voltage Range(V)	14-39
Adjustment of Wire Fedding Speed(m/min)	1~24
Arc-ending Current(A)	40-350
Arc-ending Voltage(V)	16-31.5
Wire Diameter(mm)	Ø0.8,Ø1.0,Ø1.2
Cooling Way	Air Cooling
Insulation Class	F
Protection Degree	IP21S
Welding Mode	CO2/MAG
Dimension(mm)	
Net Weight(kg)	
Gross Weight (kg)	

Base metal	Welding Mode	Welding Rod Diameter	Current Range	Applicable Model
Carbon Steel , Stainless Steel / Low Alloy Steel	CO2/MAG	0.8/1.0	40-270	M270
	CO2/MAG	0.8/1.0/1.2	50-350/400	M400
	CO2/MAG	1.0/1.2/1.6	80-500	M500
	CO2/MAG	1.0/1.2/1.6	100-630	M630

M500 INDUSTRIAL



Outline and Function

Function : CO₂/MAG Gas Shielding Welding.

Application Scope : Welding in Carbon Steel, Stainless steel, Copper and etc.

- ✓ The machine can display the digit preset. Current and voltage can be switched respectively and continuously in a wide range.
- ✓ With IGBT inverter soft switch technology, the machine is efficient, energy, Saving and reliable.
- ✓ With electronic reactor regulation, the Welding Process is stable, Less splash, with Deep Molten Pool and beautiful weld forming,
- ✓ The machine can strike arc in constant flow and has intelligent regulation of arcing de-ball function and excellent arc-striking ability .
- ✓ The machine can be equipped with varieties of Automatic Welding Equipment, Meeting the Demands of different process requirments



Parameter

Model	M500 INDUSTRIAL
Voltage(V)	3-415 $\pm$ 10%
Frequency(Hz)	50/60
Rated Input Capacitor(KVA)	26
Rated Input Current(A)	40
Rated Output Current(A)	500
Rated Output Voltage(V)	39
Rated no-load Voltage(V)	83
Rated Duty Cycle(%)	100%
Efficiency(%)	90
Power Factor(COS)	0.92
Output Current Range(A)	50-500
Output Voltage Range(V)	15-49
Adjustment of Wire Feeding Speed(m/min)	1~24
Arc-ending Current(A)	60-500
Arc-ending Voltage(V)	16-39
Wire Diameter(mm)	Ø1.0,Ø1.2,Ø1.6
Cooling Way	Air Cooling
Insulation Class	F
Protection Degree	IP21S
Welding Mode	CO ₂ /MAG
Dimension(mm)	626*320*560
Net Weight(kg)	32
Gross Weight (kg)	34

Base metal	Welding Mode	Welding Rod Diameter	Current Range	Applicable Model
Carbon Steel , Stainless Steel / Low Alloy Steel	CO ₂ /MAG	0.8/1.0	40-270	M270
	CO ₂ /MAG	0.8/1.0/1.2	50-350/400	M400
	CO ₂ /MAG	1.0/1.2/1.6	80-500	M500
	CO ₂ /MAG	1.0/1.2/1.6	100-630	M630

M630 INDUSTRIAL



Outline and Function

Function : CO₂/MAG Gas Shielding Welding.

Application Scope : Welding in Carbon Steel, Stainless steel, Copper and etc.

- ✓ The machine can display the digit preset. Current and voltage can be switched respectively and continuously in a wide range.
- ✓ With IGBT inverter soft switch technology, the machine is efficient, energy, Saving and reliable.
- ✓ With electronic reactor regulation, the Welding Process is stable, Less splash, with Deep Molten Pool and beautiful weld forming,
- ✓ The machine can strike arc in constant flow and has intelligent regulation of arcing de-ball function and excellent arc-striking ability .
- ✓ The machine can be equipped with varieties of Automatic Welding Equipment, Meeting the Demands of different process requirments



Parameter

Model	M630 Industrial
Voltage(V)	3-415 $\pm$ 10%
Frequency(Hz)	50/60
Rated Input Capacitor(KVA)	37
Rated Input Current(A)	52
Rated Output Current(A)	630
Rated Output Voltage(V)	44
Rated no-load Voltage(V)	83
Rated Duty Cycle(%)	60%
Efficiency(%)	89
Power Factor(COS)	0.9
Output Current Range(A)	70-630
Output Voltage Range(V)	15-49
Adjustment of Wire Fedding Speed(m/min)	1~24
Arc-ending Current(A)	70-600
Arc-ending Voltage(V)	16-39
Wire Diameter(mm)	Ø1.0,Ø1.2,Ø1.6
Cooling Way	Air Cooling
Insulation Class	F
Protection Degree	IP21S
Welding Mode	CO2/MAG
Dimension(mm)	626*320*560
Net Weight(kg)	36
Gross Weight(kg)	38

Base metal	Welding Mode	Welding Rod Diameter	Current Range	Applicable Model
Carbon Steel , Stainless Steel / Low Alloy Steel	CO2/MAG	0.8/1.0	40-270	M270
	CO2/MAG	0.8/1.0/1.2	50-350/400	M400
	CO2/MAG	1.0/1.2/1.6	80-500	M500
	CO2/MAG	1.0/1.2/1.6	100-630	M630

M500P SYNERGIC



Outline and Function

It is suitable for light industry and heavy industry where carbon steel is welded by CO₂/MAG welding method, such as Construction, Bridge steel structure, Construction Machinery, Automobile modification and other industries

Features

- ✓ The Panel is Simple, the parameter adjustment is simple and easy to use, and the operation is fast.
- ✓ It has the function of adjusting arc characteristics to adapt to different welding specifications
- ✓ Arc crater current and arc crater voltage are independently adjustable, suitable for different welding.
- ✓ With gas test function, it is convenient to set the gas flow
- ✓ With Overheating and undervoltage protection functions, the equipment runs stably and reliably
- ✓ Full Digital structure, High Integration, Low Machine failure rate.
- ✓ According to different Material, Gases, and Wire Diameters, The Welding Characteristics are optimized to achieve low Spatter during short circuit transition and high speed without spatter during super power arc.



Parameter

Model	M500P SYNERGIC
Voltage(V)	3-415 ±10%
Frequency(Hz)	50/60
Rated Input Capacitor(KVA)	26
Rated Input Current(A)	40
Rated Output Current(A)	500A
Rated Output Voltage(V)	39
Rated no-load Voltage(V)	83
Rated Duty Cycle(%)	60
Efficiency(%)	90
Power Factor(COS)	0.92
Output Current Range(A)	50-500
Output Voltage Range(V)	15-49
Adjustment of Wire Fedding Speed(m/min)	1~24
Arc-ending Current(A)	60-500
Arc-ending Voltage(V)	16-39
Wire Diameter(mm)	Ø1.0,Ø1.2,Ø1.6
Cooling Way	Air Cooling
Insulation Class	F
Protection Degree	IP21S
Welding Mode	CO2/MAG
Dimension(mm)	570*300*560
Net Weight(kg)	34
Gross Weight(kg)	36

S1000_{SAW}



Outline and Function

Function : Automatic Submerged arc Welding Electro-Slag Welding , Carbon arc Air Gouging and Hand Welding.

Application Scope : Welding carbon steel , Alloy Steel and so on.

- ✓ The machine can display digit preset and switch current, voltage and welding speed continuously in a wide range .
- ✓ With advanced soft switch high frequency inverter technology , the machine is efficient, energy saving and reliable.
- ✓ The machine can set arc – striking parameters and it has intelligent regulation of arcing de – ball function and excellent arc – striking and welding ability .
- ✓ Optional wire diameter, wire material and arc characteristic, welding current and voltage can be switched continuously, wide application.



Parameter

Model	S1000 saw
Voltage(V)	3P-415 +-15% 50/60Hz
Rated Input Capacitor(KVA)	57
Rated Input Current(A)	80
Efficiency	93
No-load volatge(V)	84
Rated Duty cycle(%)	100
Voltage range(V)	14-50
Current range(A)	60-1000
Insulation Class	F
Protection Class	IP21S
Cooling	Air-cooled
Dimension(mm)	810*405*805
Net Weight(kg)	90
Electrode Diameter(mm)	Ø3-Ø5
Wire feed speed(cm/min)	0~150
Welding speed(cm/min)	40~250
Vertical adjustment of the nose(mm)	95
Beam can be lifting height(mm)	120
Horizontal adjustment of the nose(mm)	±30
Tread(mm)	300
Wheelbase(mm)	350
Flux capacity(L)	10
Dimension(mm)	1030*510*930
Weight(kg)	65

S1250_{SAW}



Outline and Function

Function : Automatic Submerged arc Welding Electro-Slag Welding , Carbon arc Air Gouging and Hand Welding.

Application Scope : Welding carbon steel , Alloy Steel and so on.

- ✓ The machine can display digit preset and switch current, voltage and welding speed continuously in a wide range .
- ✓ With advanced soft switch high frequency inverter technology , the machine is efficient, energy saving and reliable.
- ✓ The machine can set arc – striking parameters and It has intelligent regulation of arcing de – ball function and excellent arc – striking and welding ability .
- ✓ Optional wire diameter, wire material and arc characteristic, welding current and voltage can be switched continuously, wide application.

Parameter

Model	S1250 saw
Voltage(V)	3P-415 +-15% 50/60Hz
Rated Input Capacitor(KVA)	75
Rated Input Current(A)	105
Efficiency	93
No-load volatge(V)	84
Rated Duty cycle(%)	100
Voltage range(V)	14-50
Current range(A)	60-1250
Insulation Class	F
Protection Class	IP21S
Cooling	Air-cooled
Dimension(mm)	810*405*805
Net Weight(kg)	98
Electrode Diameter(mm)	Ø3-Ø6
Wire feed speed(cm/min)	0~150
Welding speed(cm/min)	40~250
Vertical adjustment of the nose(mm)	95
Beam can be lifting height(mm)	120
Horizontal adjustment of the nose(mm)	±30
Tread(mm)	300
Wheelbase(mm)	350
Flux capacity(L)	10
Dimension(mm)	1030*510*930
Weight(kg)	65

C100 PLASMA



Outline and Function

Function : Plasma Rc Cutting

Application Scope : Cutting Stainless Steel, Alloy Steel, Foundry Iron, Carbon Steel, Copper, Aluminium, Manganese, Titanium, Clad plate and so on.

- ✓ The machine is equipped with both air-cooled gun and water-cooled gun at the same time, and the torch use can be switched with one press
- ✓ With advanced soft switch HF inverter technology, super-power IGBT module switch device circuit, the machine is reliable.
- ✓ 100% arc-striking success rate, stable arc, Strong pierce capacity, excellent technological Performance.
- ✓ Suitable for the switch between automatic cutting and hand cutting
- ✓ With 100% duty cycle, The machine can keep working a long time under maximum current

Parameter

Model	C100 Plasma
Voltage(V)	3-415±10% 50Hz
Rated Input Capacitor(KVA)	15.8
Rated Input Current(A)	23
Rated Output Current(A)	30-100
Output no-load Voltage(V)	295
Rated Duty Voltage(V)	120
Rated Duty Cycle(%)	60
Working Gas Pressure Scope(Mpa)	0.4-0.5
Arc-striking Mode	HF Non-contact Arc Striking
Quality Cutting Thickness(steel-mm)	0.3-20
Max Cutting Thickness(steel-mm)	35
Plasma Gas Usage	Compressed Air
Torch Cooling Way	Air
Insulation Class	F
Protection Degree	IP21S
Dimension (mm)	636*290*535
Net Weight(kg)	32
Gross Weight(kg)	33.2

Parameter \ Model		C100	C105	C120
Low Carbon Steel	Cut-off Ability	40mm	40mm	45mm
	Quality Cutting	22mm	22mm	25mm
	Max Perforation	20mm	20mm	22mm
Stainless Steel	Cut off ability	28mm	28mm	32mm
	Quality Puncture	18mm	18mm	20mm
Aluminium	Cut off ability	28mm	28mm	32mm
	Quality puncture	18mm	18mm	20mm

C105 PLASMA



Outline and Function

Function : Plasma Rc Cutting

Application Scope : Cutting Stainless Steel, Alloy Steel, Foundry Iron, Carbon Steel, Copper, Aluminium, Manganese, Titanium, Clad plate and so on.

- ✓ The machine is equipped with both air-cooled gun and water-cooled gun at the same time, and the torch use can be switched with one press
- ✓ With advanced soft switch HF inverter technology, super-power IGBT module switch device circuit, the machine is reliable.
- ✓ 100% arc-striking success rate, stable arc, Strong pierce capacity, excellent technological Performance.
- ✓ Suitable for the switch between automatic cutting and hand cutting
- ✓ With 100% duty cycle, The machine can keep working a long time under maximum current

Parameter

Model	C105 Plasma
Voltage(V)	3-415±10% 50Hz
Rated Input Capacitor(KVA)	15.8
Rated Input Current(A)	24
Rated Output Current(A)	30-105
Output no-load Voltage(V)	305
Rated Duty Voltage(V)	122
Rated Duty Cycle(%)	60
Working Gas Pressure Scope(Mpa)	0.4-0.5
Arc-striking Mode	HF Non-contact Arc Striking
Quality Cutting Thickness(steel-mm)	0.3-22
Max Cutting Thickness(steel-mm)	40
Plasma Gas Usage	Compressed Air
Torch Cooling Way	Air
Insulation Class	F
Protection Degree	IP21S
Dimension (mm)	636*290*535
Net Weight(kg)	32
Gross Weight(kg)	33.2

Parameter \ Model		C100	C105	C120
Low Carbon Steel	Cut-off Ability	40mm	40mm	45mm
	Quality Cutting	22mm	22mm	25mm
	Max Perforation	20mm	20mm	22mm
Stainless Steel	Cut off ability	28mm	28mm	32mm
	Quality Puncture	18mm	18mm	20mm
Aluminium	Cut off ability	28mm	28mm	32mm
	Quality puncture	18mm	18mm	20mm

C120 PLASMA



Outline and Function

Function : Plasma Rc Cutting

Application Scope : Cutting Stainless Steel, Alloy Steel, Foundry Iron, Carbon Steel, Copper, Aluminium, Manganese, Titanium, Clad plate and so on.

- ✓ The machine is equipped with both air-cooled gun and water-cooled gun at the same time, and the torch use can be switched with one press
- ✓ With advanced soft switch HF inverter technology, super-power IGBT module switch device circuit, the machine is reliable.
- ✓ 100% arc-striking success rate, stable arc, Strong pierce capacity, excellent technological Performance.
- ✓ Suitable for the switch between automatic cutting and hand cutting
- ✓ With 100% duty cycle, The machine can keep working a long time under maximum current



Parameter

Model	C120 Plasma
Voltage(V)	3-415±10% 50Hz
Rated Input Capacitor(KVA)	19.5
Rated Input Current(A)	29.5
Rated Output Current(A)	30-120
Output no-load Voltage(V)	305
Rated Duty Voltage(V)	128
Rated Duty Cycle(%)	60
Working Gas Pressure Scope(Mpa)	0.4-0.5
Arc-striking Mode	HF Non-contact Arc Striking
Quality Cutting Thickness(steel-mm)	0.3-25
Max Cutting Thickness(steel-mm)	45
Plasma Gas Usage	Compressed Air
Torch Cooling Way	Air
Insulation Class	F
Protection Degree	IP21S
Dimension (mm)	636*290*535
Net Weight(kg)	32
Gross Weight(kg)	33.2

Parameter \ Model		C100	C105	C120
Low Carbon Steel	Cut-off Ability	40mm	40mm	45mm
	Quality Cutting	22mm	22mm	25mm
	Max Perforation	20mm	20mm	22mm
Stainless Steel	Cut off ability	28mm	28mm	32mm
	Quality Puncture	18mm	18mm	20mm
Aluminium	Cut off ability	28mm	28mm	32mm
	Quality puncture	18mm	18mm	20mm



Outline and Function

Function : Plasma arc Cutting

Application Scope : Cutting Stainless Steel , Alloy Steel , Foundry Iron , Carbon Steel, Copper , Aluminium , Manganese , Titanium , Clad Plate and so on.

- ✓ Digital display can preset cutting Parameters accurately and current is stepless
- ✓ With advanced soft switch high Frequency inverter Technology and super-power IGBT switch device circuit, the machine is reliable.
- ✓ 100% arc-striking success Rate , Stable arc , Strong pierce capacity , Excellent technological performance.
- ✓ The machine has all signal output required by CNC control and is suitable for automatic cutting.
- ✓ With high Duty cycle ,the Machine can keep working a long time under maximum current.

Parameter

Model	C63 CNC
Voltage(V)	3-415 $\pm$ 15% 50/60Hz
Rated Input Capacitor(KVA)	11
Rated Input Current(A)	14.5
Power Factor	0.85
Rated Output Current(A)	63
Rated Output Voltage(V)	105.2
Output no-load Voltage(V)	308
Rated Duty Cycle(%)	60
Output Current Range(A)	25-63
Arc-striking Mode	Non-contact Arc Striking
Quality Cutting Thickness(steel-mm)	12
Max Cutting Thickness(steel-mm)	25
Plasma Gas Usage	Compressed Air
Working Gas Pressure Scope(Mpa)	0.4-0.5
Efficiency	85
Insulation Class	F
Torch Cooling Way	Air
Protection Degree	IP21S
Dimension(mm)-big	580*295*480
Net Weight(kg)	28.5
Gross Weight(kg)	30
low-carbon steel quality cutting(mm)	12
low-carbon steel cut-off ability(mm)	25
low-carbon steel max perforation(mm)	10
stainless steel cut-off ability(mm)	12
stainless steel quality puncture(mm)	8
Aluminum cut-off ability(mm)	12
Aluminum quality puncture(mm)	8

Parameter \ Model		C63	C130	C160	C200	C300	C400	C500
Low-Carbon Steel	Cut off ability	25mm	50mm	65mm	80mm	100mm	110mm	120mm
	Quality Cutting	12mm	25mm	35mm	45mm	50mm	55mm	60mm
	Max Perforation	10mm	22mm	28mm	30mm	35mm	35mm	35mm
Stainless Steel	Cut off ability	12mm	32mm	36mm	50mm	65mm	75mm	90mm
	Quality Puncture	8mm	20mm	22mm	25mm	30mm	35mm	35mm
Aluminium	Cut off ability	12mm	40mm	50mm	60mm	65mm	80mm	90mm
	Quality puncture	8mm	20mm	25mm	28mm	35mm	35mm	35mm

(Note : water mist cutting efficiency is reduced)

C130CNC



Outline and Function

Function : Plasma arc Cutting

Application Scope : Cutting Stainless Steel , Alloy Steel , Foundry Iron , Carbon Steel, Copper , Aluminium , Manganese , Titanium , Clad Plate and so on.

- ✓ Digital display can preset cutting Parameters accurately and current is stepless
- ✓ With advanced soft switch high Frequency inverter Technology and super-power IGBT switch device circuit, the machine is reliable.
- ✓ 100% arc-striking success Rate , Stable arc , Strong pierce capacity , Excellent technological performance.
- ✓ The machine has all signal output required by CNC control and is suitable for automatic cutting.
- ✓ With high Duty cycle ,the Machine can keep working a long time under maximum current.



Parameter

Model	C130 CNC
Voltage(V)	3-415 ±15% 50/60Hz
Rated Input Capacitor(KVA)	24
Rated Input Current(A)	36
Power Factor	0.86
Rated Output Current(A)	130
Rated Output Voltage(V)	132
Output no-load Voltage(V)	310
Rated Duty Cycle(%)	100
Output Current Range(A)	30-130
Arc-striking Mode	Non-contact Arc Striking
Quality Cutting Thickness(steel-mm)	25
Max Cutting Thickness(steel-mm)	45
Plasma Gas Usage	Compressed Air
Working Gas Pressure Scope(Mpa)	0.45-0.55
Efficiency	90
Insulation Class	F
Torch Cooling Way	Air
Protection Degree	IP21S
Dimension(mm)-big	670*325*595
Net Weight(kg)	55
Gross Weight(kg)	57
low-carbon steel quality cutting(mm)	25
low-carbon steel cut-off ability(mm)	45
low-carbon steel max perforation(mm)	22
stainless steel cut-off ability(mm)	32
stainless steel quality puncture(mm)	20
Aluminum cut-off ability(mm)	32
Aluminum quality puncture(mm)	20

Parameter \	Model	C63	C130	C160	C200	C300	C400	C500
Low-Carbon Steel	Cut off ability	25mm	50mm	65mm	80mm	100mm	110mm	120mm
	Quality Cutting	12mm	25mm	35mm	45mm	50mm	55mm	60mm
	Max Perforation	10mm	22mm	28mm	30mm	35mm	35mm	35mm
Stainless Steel	Cut off ability	12mm	32mm	36mm	50mm	65mm	75mm	90mm
	Quality Puncture	8mm	20mm	22mm	25mm	30mm	35mm	35mm
Aluminium	Cut off ability	12mm	40mm	50mm	60mm	65mm	80mm	90mm
	Quality puncture	8mm	20mm	25mm	28mm	35mm	35mm	35mm

(Note : water mist cutting efficiency is reduced)

C160CNC



Outline and Function

Function : Plasma arc Cutting

Application Scope : Cutting Stainless Steel , Alloy Steel , Foundry Iron , Carbon Steel, Copper , Aluminium , Manganese , Titanium , Clad Plate and so on.

- ✓ Digital display can preset cutting Parameters accurately and current is stepless
- ✓ With advanced soft switch high Frequency inverter Technology and super-power IGBT switch device circuit, the machine is reliable.
- ✓ 100% arc-striking success Rate , Stable arc , Strong pierce capacity , Excellent technological performance.
- ✓ The machine has all signal output required by CNC control and is suitable for automatic cutting.
- ✓ With high Duty cycle ,the Machine can keep working a long time under maximum current.



Parameter

Model	C160 CNC
Voltage(V)	3-415 ±15% 50/60Hz
Rated Input Capacitor(KVA)	32
Rated Input Current(A)	43
Power Factor	0.89
Rated Output Current(A)	160
Rated Output Voltage(V)	144
Output no-load Voltage(V)	320
Rated Duty Cycle(%)	100
Output Current Range(A)	35-160
Arc-striking Mode	Non-contact Arc Striking
Quality Cutting Thickness(steel-mm)	35
Max Cutting Thickness(steel-mm)	55
Plasma Gas Usage	Compressed Air
Working Gas Pressure Scope(Mpa)	0.45-0.55
Efficiency	90
Insulation Class	F
Torch Cooling Way	Air
Protection Degree	IP21S
Dimension(mm)-big	720*350*625
Net Weight(kg)	58
Gross Weight(kg)	59
low-carbon steel quality cutting(mm)	35
low-carbon steel cut-off ability(mm)	55
low-carbon steel max perforation(mm)	28
stainless steel cut-off ability(mm)	36
stainless steel quality puncture(mm)	25
Aluminum cut-off ability(mm)	36
Aluminum quality puncture(mm)	25

Parameter \	Model	C63	C130	C160	C200	C300	C400	C500
Low-Carbon Steel	Cut off ability	25mm	50mm	65mm	80mm	100mm	110mm	120mm
	Quality Cutting	12mm	25mm	35mm	45mm	50mm	55mm	60mm
	Max Perforation	10mm	22mm	28mm	30mm	35mm	35mm	35mm
Stainless Steel	Cut off ability	12mm	32mm	36mm	50mm	65mm	75mm	90mm
	Quality Puncture	8mm	20mm	22mm	25mm	30mm	35mm	35mm
Aluminium	Cut off ability	12mm	40mm	50mm	60mm	65mm	80mm	90mm
	Quality puncture	8mm	20mm	25mm	28mm	35mm	35mm	35mm
(Note : water mist cutting efficiency is reduced)								

C200CNC



Outline and Function

Function : Plasma arc Cutting

Application Scope : Cutting Stainless Steel , Alloy Steel , Foundry Iron , Carbon Steel, Copper , Aluminium , Manganese , Titanium , Clad Plate and so on.

- ✓ Digital display can preset cutting Parameters accurately and current is stepless
- ✓ With advanced soft switch high Frequency Inverter Technology and super-power IgBT switch device circuit, the machine is reliable.
- ✓ 100% arc-striking success Rate , Stable arc , Strong pierce capacity , Excellent technological performance.
- ✓ The machine has all signal output required by CNC control and is suitable for automatic cutting.
- ✓ With high Duty cycle ,the Machine can keep working a long time under maximum current.



Parameter

Model	C200CNC
Voltage	3-415 ±15% 50/60Hz
Rated Input Capacitor(KVA)	45
Rated Input Current(A)	68
Power Factor	0.89
Rated Output Current(A)	200
Rated Output Voltage(V)	160
Output no-load Voltage(V)	340
Rated Duty Cycle(%)	100
Output Current Range(A)	40-200
Arc-striking Mode	Non-contact Arc Striking
Quality Cutting Thickness(steel-mm)	45
Max Cutting Thickness(steel-mm)	70
Plasma Gas Usage	Compressed Air
Working Gas Pressure Scope(Mpa)	0.45-0.55
Efficiency	90
Insulation Class	F
Torch Cooling Way	Air
Protection Degree	IP21S
Dimension(mm)-big	825*350*735
Net Weight(kg)	75
Gross Weight(kg)	92.8
low-carbon steel quality cutting(mm)	45
low-carbon steel cut-off ability(mm)	70
low-carbon steel max perforation(mm)	30
stainless steel cut-off ability(mm)	50
stainless steel quality puncture(mm)	25
Aluminum cut-off ability(mm)	60
Aluminum quality puncture(mm)	28

Parameter \ Model		C63	C130	C160	C200	C300	C400	C500
Low-Carbon Steel	Cut off ability	25mm	50mm	65mm	80mm	100mm	110mm	120mm
	Quality Cutting	12mm	25mm	35mm	45mm	50mm	55mm	60mm
	Max Perforation	10mm	22mm	28mm	30mm	35mm	35mm	35mm
Stainless Steel	Cut off ability	12mm	32mm	36mm	50mm	65mm	75mm	90mm
	Quality Puncture	8mm	20mm	22mm	25mm	30mm	35mm	35mm
Aluminium	Cut off ability	12mm	40mm	50mm	60mm	65mm	80mm	90mm
	Quality puncture	8mm	20mm	25mm	28mm	35mm	35mm	35mm
(Note : water mist cutting efficiency is reduced)								

C300CNC



Outline and Function

Function : Plasma arc Cutting

Application Scope : Cutting Stainless Steel , Alloy Steel , Foundry Iron , Carbon Steel, Copper , Aluminium , Manganese , Titanium , Clad Plate and so on.

- ✓ Digital display can preset cutting Parameters accurately and current is stepless
- ✓ With advanced soft switch high Frequency inverter Technology and super-power IGBT switch device circuit, the machine is reliable.
- ✓ 100% arc-striking success Rate , Stable arc , Strong pierce capacity , Excellent technological performance.
- ✓ The machine has all signal output required by CNC control and is suitable for automatic cutting.
- ✓ With high Duty cycle ,the Machine can keep working a long time under maximum current.



Parameter

Model	C300 CNC
Voltage	3-415 $\pm$ 15% 50/60Hz
Rated Input Capacitor(KVA)	65
Rated Input Current(A)	90
Power Factor	0.91
Rated Output Current(A)	300
Rated Output Voltage(V)	160
Output no-load Voltage(V)	340
Rated Duty Cycle(%)	100
Output Current Range(A)	40-300
Arc-striking Mode	Non-contact Arc Striking
Quality Cutting Thickness(steel-mm)	50
Max Cutting Thickness(steel-mm)	80
Plasma Gas Usage	Compressed Air
Working Gas Pressure Scope(Mpa)	0.5-0.6
Efficiency	90
Insulation Class	F
Torch Cooling Way	Air
Protection Degree	IP21S
Dimension(mm)-big	850*405*860
Net Weight(kg)	115
Gross Weight(kg)	133.6
low-carbon steel quality cutting(mm)	50
low-carbon steel cut-off ability(mm)	80
low-carbon steel max perforation(mm)	35
stainless steel cut-off ability(mm)	46
stainless steel quality puncture(mm)	32
Aluminum cut-off ability(mm)	46
Aluminum quality puncture(mm)	32

Parameter \ Model		C63	C130	C160	C200	C300	C400	C500
Low-Carbon Steel	Cut off ability	25mm	50mm	65mm	80mm	100mm	110mm	120mm
	Quality Cutting	12mm	25mm	35mm	45mm	50mm	55mm	60mm
	Max Perforation	10mm	22mm	28mm	30mm	35mm	35mm	35mm
Stainless Steel	Cut off ability	12mm	32mm	36mm	50mm	65mm	75mm	90mm
	Quality Puncture	8mm	20mm	22mm	25mm	30mm	35mm	35mm
Aluminium	Cut off ability	12mm	40mm	50mm	60mm	65mm	80mm	90mm
	Quality puncture	8mm	20mm	25mm	28mm	35mm	35mm	35mm
(Note : water mist cutting efficiency is reduced)								

C400CNC



Outline and Function

Function : Plasma arc Cutting

Application Scope : Cutting Stainless Steel , Alloy Steel , Foundry Iron , Carbon Steel, Copper , Aluminium , Manganese , Titanium , Clad Plate and so on.

- ✓ Digital display can preset cutting Parameters accurately and current is stepless
- ✓ With advanced soft switch high Frequency Inverter Technology and super-power IGBT switch device circuit, the machine is reliable.
- ✓ 100% arc-striking success Rate , Stable arc , Strong pierce capacity , Excellent technological performance.
- ✓ The machine has all signal output required by CNC control and is suitable for automatic cutting.
- ✓ With high Duty cycle ,the Machine can keep working a long time under maximum current.



Parameter

Parameter / Model	C400 CNC
Voltage(V)	3-415 $\pm$ 15% 50/60Hz
Rated Input Capacitor(KVA)	92
Rated Input Current(A)	127
Power Factor	0.91
Rated Output Current(A)	400
Rated Output Voltage(V)	170
Output no-load Voltage(V)	340
Rated Duty Cycle(%)	100
Output Current Range(A)	40-400
Arc-striking Mode	Non-contact Arc Striking
Quality Cutting Thickness(steel-mm)	55
Max Cutting Thickness(steel-mm)	95
Plasma Gas Usage	Compressed Air
Working Gas Pressure Scope(Mpa)	0.5-0.6
Efficiency	90
Insulation Class	F
Torch Cooling Way	Air
Protection Degree	IP21S
Dimension(mm)-big	970*430*890
Net Weight(kg)	140
Gross Weight(kg)	153.6
low-carbon steel quality cutting(mm)	55
low-carbon steel cut-off ability(mm)	95
low-carbon steel max perforation(mm)	40
stainless steel cut-off ability(mm)	50
stainless steel quality puncture(mm)	36
Aluminum cut-off ability(mm)	50
Aluminum quality puncture(mm)	36

Parameter \ Model	C63	C130	C160	C200	C300	C400	C500
Low-Carbon Steel	Cut off ability	25mm	50mm	65mm	80mm	100mm	120mm
	Quality Cutting	12mm	25mm	35mm	45mm	50mm	60mm
	Max Perforation	10mm	22mm	28mm	30mm	35mm	35mm
Stainless Steel	Cut off ability	12mm	32mm	36mm	50mm	65mm	75mm
	Quality Puncture	8mm	20mm	22mm	25mm	30mm	35mm
Aluminium	Cut off ability	12mm	40mm	50mm	60mm	65mm	80mm
	Quality puncture	8mm	20mm	25mm	28mm	35mm	35mm

(Note : water mist cutting efficiency is reduced)

C500CNC



Outline and Function

Function : Plasma arc Cutting

Application Scope : Cutting Stainless Steel , Alloy Steel , Foundry Iron , Carbon Steel, Copper , Aluminium , Manganese , Titanium , Clad Plate and so on.

- ✓ Digital display can preset cutting Parameters accurately and current is stepless
- ✓ With advanced soft switch high Frequency Inverter Technology and super-power IGBT switch device circuit, the machine is reliable.
- ✓ 100% arc-striking success Rate , Stable arc , Strong pierce capacity , Excellent technological performance.
- ✓ The machine has all signal output required by CNC control and is suitable for automatic cutting.
- ✓ With high Duty cycle ,the Machine can keep working a long time under maximum current.



Parameter

Parameter / Model	C500 CNC
Voltage(V)	3-415 $\pm$ 15% 50/60Hz
Rated Input Capacitor(KVA)	125
Rated Input Current(A)	190
Power Factor	0.91
Rated Output Current(A)	500
Rated Output Voltage(V)	180
Output no-load Voltage(V)	340
Rated Duty Cycle(%)	100
Output Current Range(A)	40-500
Arc-striking Mode	Non-contact Arc Striking
Quality Cutting Thickness(steel-mm)	60
Max Cutting Thickness(steel-mm)	120
Plasma Gas Usage	Compressed Air
Working Gas Pressure Scope(Mpa)	0.5-0.6
Efficiency	90
Insulation Class	F
Torch Cooling Way	Air
Protection Degree	IP21S
Dimension(mm)-big	970*430*890
Net Weight(kg)	145
Gross Weight(kg)	153.6
low-carbon steel quality cutting(mm)	60
low-carbon steel cut-off ability(mm)	120
low-carbon steel max perforation(mm)	45
stainless steel cut-off ability(mm)	55
stainless steel quality puncture(mm)	40
Aluminum cut-off ability(mm)	55
Aluminum quality puncture(mm)	40

Parameter \ Model		C63	C130	C160	C200	C300	C400	C500
Low-Carbon Steel	Cut off ability	25mm	50mm	65mm	80mm	100mm	110mm	120mm
	Quality Cutting	12mm	25mm	35mm	45mm	50mm	55mm	60mm
	Max Perforation	10mm	22mm	28mm	30mm	35mm	35mm	35mm
Stainless Steel	Cut off ability	12mm	32mm	36mm	50mm	65mm	75mm	90mm
	Quality Puncture	8mm	20mm	22mm	25mm	30mm	35mm	35mm
Aluminium	Cut off ability	12mm	40mm	50mm	60mm	65mm	80mm	90mm
	Quality puncture	8mm	20mm	25mm	28mm	35mm	35mm	35mm

(Note : water mist cutting efficiency is reduced)

C120PUMP



Outline and Function

Function : Plasma Rc Cutting

Application Scope : Cutting Stainless Steel, Alloy Steel, Foundry Iron, Carbon Steel, Copper, Aluminium, Manganese, Titanium, Clad plate and so on.

- ✓ The machine can show and preset digital current accurately. The current is steple
- With advanced HF inverter technology, the machine is reliable.
- ✓ The machine has both internal and external air supply system and there is a oil and noise free compressor inside.
- ✓ Perfect air pressure monitoring, overheating, overvoltage, undervoltage and phase-loss protection function.
- ✓ 100%arc success rate, Stable arc. Strong pierce capacity. Excellent performance.
- ✓ With MMA function, the machine is multi-purpose and suitable for outdoor work.



Parameter

Model	C120 Pump
Voltage(V)	3-415±10% 50Hz
Rated Input Capacitor(KVA)	19.5
Pump motor capacitor(KVA)	1.5
Rated Input Current(A)	29.5
Rated Output Current(A)	30-120
Output no-load Voltage(V)	295
Rated Duty Voltage(V)	128
Rated Duty Cycle(%)	60
Working Gas Pressure Scope(Mpa)	0.4-0.5
Arc-striking Mode	HF Non-contact Arc Striking
Quality Cutting Thickness(steel-mm)	0.3~25
Max Cutting Thickness(steel-mm)	40
Plasma Gas Usage	Compressed Air
Torch Cooling Way	Air
Insulation Class	F
Protection Degree	IP21S
Dimension (mm)	626*318*580
Net Weight(kg)	60
Gross Weight(kg)	63

CI45PUMP



Outline and Function

Function : Plasma Rc Cutting

Application Scope : Cutting Stainless Steel, Alloy Steel, Foundry Iron, Carbon Steel, Copper, Aluminium, Manganese, Titanium, Clad plate and so on.

- ✓ The machine can show and preset digital current accurately. The current is steple

With advanced HF inverter technology, the machine is reliable.

- ✓ The machine has both internal and external air supply system and there is a oil and noise free compressor inside.

Perfect air pressure monitoring, overheating, overvoltage, undervoltage and phase-loss protection

- ✓ function.
- ✓ 100%arc success rate, Stable arc. Strong pierce capacity. Excellent performance.
- ✓ With MMA function, the machine is multi-purpose and suitable for outdoor work.



Parameter

Model	C145 Pump
Voltage(V)	3-415±10% 50Hz
Rated Input Capacitor(KVA)	32.2
Pump motor capacitor(KVA)	1.5
Rated Input Current(A)	40
Rated Output Current(A)	30-145
Output no-load Voltage(V)	335
Rated Duty Voltage(V)	138
Rated Duty Cycle(%)	60
Working Gas Pressure Scope(Mpa)	0.4-0.5
Arc-striking Mode	HF Non-contact Arc Striking
Quality Cutting Thickness(steel-mm)	0.3-35
Max Cutting Thickness(steel-mm)	50
Plasma Gas Usage	Compressed Air
Torch Cooling Way	Air
Insulation Class	F
Protection Degree	IP21S
Dimension (mm)	630*330*610
Net Weight(kg)	62
Gross Weight(kg)	65

WATER COOLING TANK



Parameter

Model	Power Supply Voltage	Phase Number	Dispersion Heat	Pump Power	Maximum Pressure / 1/1h	Water Capacity	Operating Temperature	Weight	Size L*W*H(mm)
AWO 9 LA	220V/380V/50Hz	1Ph	1.50W (L/min)	370W	0.33MPa/50Hz	9L	20-60°C	57KG	455*255*235
AWO 9 LC	220V/380V/50Hz	1Ph	1.70W (L/min)	370W	0.65MPa/50Hz	9L	20-60°C	19.5KG	455*255*235
AWO 12 L	220V/380V/50Hz	1Ph	1.70W (L/min)	370W	0.33MPa/50Hz	12 L	20-60°C	56KG	460*320*340
AWO 12 C	220V/380V/50Hz	1Ph	1.85W (L/min)	370W	0.65MPa/50Hz	12 L	20-60°C	58KG	460*320*340
AWO 11 D	220V/380V/50Hz	1Ph	2.10W (L/min)	550W	1.4MPa/50Hz	12 L	20-60°C	21.5KG	460*320*340
AWO 18 LA	220V/380V/50Hz	1Ph	2.60W (L/min)	370W	0.33MPa/50Hz	18 L	20-60°C	18.5KG	511*345*360
AWO 18 LC	220V/380V/50Hz	1Ph	2.95W (L/min)	370W	0.65MPa/50Hz	18 L	20-60°C	19.1KG	511*345*360
AWO 18 LD	220V/380V/50Hz	1Ph	3.20W (L/min)	550W	1.4MPa/50Hz	18 L	20-60°C	23KG	511*345*360
AWO 25 L	220V/380V/50Hz	1Ph	3.30W (L/min)	370W	0.33MPa/50Hz	25L	20-60°C	22KG	515*375*430
AWO 25 LC	220V/380V/50Hz	1Ph	3.60W (L/min)	370W	0.65MPa/50Hz	25L	20-60°C	24KG	515*375*430
AWO 25 LD	220V/380V/50Hz	1Ph	4.20W (L/min)	550W	1.4MPa/50Hz	25L	20-60°C	27KG	515*375*430
AWO 25 LA	220V/380V/50Hz	1Ph	4.50W (L/min)	370W	0.33MPa/50Hz	25 L	20-60°C	25.5KG	600*440*460
AWO 25 LC	220V/380V/50Hz	1Ph	4.80W (L/min)	370W	0.65MPa/50Hz	25 L	20-60°C	28KG	600*440*460
AWO 35 LD	220V/380V/50Hz	1Ph	5.25W (L/min)	550W	1.4MPa/50Hz	37 L	20-60°C	31.5KG	600*440*460
AWO 65 L	220V/380V/50Hz	1Ph	1.70W (L/min)	370W	0.65MPa/50Hz	65 L	20-60°C	45KG	630*565*685
AWO 65 LC	220V/380V/50Hz	1Ph	6.20W (L/min)	550W	1.4MPa/50Hz	65 L	20-60°C	50KG	630*565*685
AWO 7.5 L	220V/380V/50Hz	1Ph	1.50W (L/min)	370W	0.35MPa/50Hz	7.5 L	20-60°C	17KG	610*255*330
AWO 18 L	110V/220V/380V/50Hz	1Ph	1.50W (L/min)	370W	0.35MPa/50Hz	18 L	20-60°C	18KG	570*300*335



PLASMA TORCHES





Metal Type	WELDING PROCESS					Cutting Process Plasma
	Stick	MIG	FCAW	AC-TIG	DC-TIG	
Steel	✓	✓	✓		✓	✓
Stainless Steel	✓	✓	✓		✓	✓
Aluminium		✓		✓		✓
Cast Iron	✓					✓
Copper Brass		✓			✓	✓
TTitanium					✓	✓
Magnesium Alloys				✓		✓



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