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手工电弧焊机系列

Civil MMA

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民用手工电弧焊机
Civil MMA



ZX7-225T



小型便携式直流手工电弧焊机

The smallest portable DC manual arc welding machine

主要功能特点 Character of product

- ◆采用大功率IGBT单管，最大支持Φ4焊条连续焊接。
- ◆最低输入电压120V即可焊接；输入电压380V时不会过压损坏。
- ◆为避免潮湿环境下因电弧电压产生的电击危险，采用了专利技术的防触电功能。
- ◆进口元器件使用达百分之八十，确保产品不会因器件原因达不到设计要求。
- ◆采用专利技术的主电路防护罩，适于恶劣环境使用，关键器件设计寿命五年以上。
- ◆Use high power discrete IGBT, and can constantly weld welding rods with Φ4.
- ◆It can start weld under the lowest voltage 120v, and 380v will be not upload.
- ◆It uses the VRD function to forfend the electric shock under the damp environment.
- ◆80% of components are imported to insure that it can be up the design requirement.
- ◆It uses the proprietary main circuit protective cover.

技术规格 Main Technical Parameter

产品型号	Product Type	ZX7-225T	ZX7-255L
输入电源	Input Power Source	2P/220V , 50Hz	2P/220V /380V, 50Hz
额定输入容量	Rated Input Capacity	7.8KVA	7.9KVA
逆变频率	Inverting Frequency	20KHz	20KHz
空载电压	No-Load Voltage	65V	60V
负载持续率	Duly Cycle	60%	60%
电流调节范围	Current Range	0-225A	0-255A
焊条直径	Electrode Diameter	2.5/3.2mm	2.5/3.2mm
效率	Efficiency	90%	90%
绝缘等级	Insulation Class	F	F
外形尺寸	Dimensions	225x145x225mm	225x145x225mm
重量	Weight	3.5kg	3.8kg



便携式直流手工电弧焊机[220V/380V]

Portable DC manual arc welding machine

主要功能特点 Character of product

- ◆采用大功率IGBT单管，最大支持Φ4焊条连续焊接。
- ◆最低输入电压140V即可焊接；输入电压380V时不会过压损坏。
- ◆为避免潮湿环境下因电弧电压产生的电击危险，采用了专利技术的防触电功能。
- ◆进口元器件使用达百分之八十，确保产品不会因器件原因达不到设计要求。
- ◆采用专利技术的主电路防护罩，适于恶劣环境使用，关键器件设计寿命五年以上。
- ◆Use high power discrete IGBT, and can constantly weld welding rods with Φ4.
- ◆It can start weld under the lowest voltage 120v, and 380v will be not upload.
- ◆It uses the VRD function to forfend the electric shock under the damp environment.
- ◆80% of components are imported to insure that it can be up the design requirement.
- ◆It uses the proprietary main circuit protective cover.

技术规格 Main Technical Parameter

产品型号	Product Type	ZX7-250N
输入电源	Input Power Source	2P/220V/380V, 50Hz
额定输入容量	Rated Input Capacity	8.5KVA
逆变频率	Inverting Frequency	20KHz
空载电压	No-Load Voltage	65V
负载持续率	Duly Cycle	60%
电流调节范围	Current Range	0-250A
焊条直径	Electrode Diameter	2.5/3.2mm
效率	Efficiency	90%
绝缘等级	Insulation Class	F
外形尺寸	Dimensions	370x155x240mm
重量	Weight	5.5kg



小型便携式直流手工电弧焊机[220V/380V]

The smallest portable DC manual arc welding machine

主要功能特点 Character of product

- ◆第四代220V/380V双电源机型，电网电压波动时也能准确识别，自动转换。
- ◆最低输入电压120V即可焊接；最高输入电压380V不会过压损坏。
- ◆为避免潮湿环境下因电弧电压产生的电击危险，采用了专利技术的防触电功能。
- ◆进口元器件使用达百分之八十，确保产品不会因器件原因达不到设计要求。
- ◆采用专利技术的主电路防护罩，适于恶劣环境使用，关键器件设计寿命五年以上。
- ◆It is the forth generation welding machine of 220v/380v. When grid voltage fluctuates, it can distinguish exactly and change automatically.
- ◆It can start weld under the lowest voltage 120v, and the highest 380v will be not upload.
- ◆It uses the VRD function to forfend the electric shock under the damp environment.
- ◆80% of components are imported to insure that it can be up the design requirement.
- ◆It uses the proprietary main circuit protective cover.

技术规格 Main Technical Parameter

产品型号	Product Type	ZX7-300	ZX7-300L
输入电源	Input Power Source	2P/220V , 50Hz	2P/220V/380V, 50Hz
额定输入容量	Rated Input Capacity	11KVA	11.7KVA
逆变频率	Inverting Frequency	20KHz	20KHz
空载电压	No-Load Voltage	65V	65V
负载持续率	Duly Cycle	60%	60%
电流调节范围	Current Range	0-300A	0-300A
焊条直径	Electrode Diameter	2.5/3.2/4.0mm	2.5/3.2/4.0mm
效率	Efficiency	90%	90%
绝缘等级	Insulation Class	F	F
外形尺寸	Dimensions	270x170x225mm	270x170x225mm
重量	Weight	5kg	5kg



诺亚[®]
NOAH

MMA-4.0L



便携式直流手工电弧焊机[220V/380V]

Portable and molded DC manual arc welding machine

主要功能特点 Character of product

- ◆40℃高温环境下Φ4.0mm以上焊条连续焊接
 - ◆适用于酸性、碱性、纤维素、不锈钢、铸铁等所有牌号焊条
 - ◆环保高效节能，比交流焊机节电60%以上
 - ◆输出焊把线100m长仍能保持稳定焊接
 - ◆缺相、欠压、过负载、输出短路时主机自动保护
 - ◆适用于发电机供电、钢结构、野外施工等恶劣使用环境
-
- ◆The electrode with more than Φ4.0mm can weld constantly under the high temperature of 40℃.
 - ◆It can use acidity, alkaline, cellulose, stainless steel, cast iron and all grades of electrode.
 - ◆Efficient, energy-saving and environmental protection; save over 60% electricity more than AC welding machine.
 - ◆Weld steadily with 100m welding wire.
 - ◆When lack of phase, under-voltage, over-load, short circuit when outputting, the main engine can protect itself automatically.
 - ◆Adapt to generators, steel construction, field construction and all harsh environments.

技术规格 Main Technical Parameter

产品型号	Product Type	MMA-4.0F	MMA-4.0L
输入电源	Input Power Source	2P/220V , 50Hz	2P/220V ,3P/380V, 50Hz
额定输入容量	Rated Input Capacity	16KVA	16.3KVA
逆变频率	Inverting Frequency	20KHz	20KHz
空载电压	No-Load Voltage	70V	70V
负载持续率	Duly Cycle	60%	60%
电流调节范围	Current Range	0-400A	0-400A
焊条直径	Electrode Diameter	2.5/3.2/4.0mm	2.5/3.2/4.0mm
效率	Efficiency	90%	90%
绝缘等级	Insulation Class	F	F
外形尺寸	Dimensions	300x210x320mm	300x210x320mm
重量	Weight	6.3kg	6.3kg



诺亚[®]
NOAH

ZX7-315DL



便携式直流手工电弧焊机[380V]

Portable DC manual arc welding machine

主要功能特点 Character of product

- ◆小型化设计，操作简便，焊接电流精确预显
- ◆40℃高温环境下Φ4.0mm以上焊条连续焊接
- ◆适用于酸性、碱性、纤维素、不锈钢、铸铁等所有牌号焊条
- ◆环保高效节能，比交流焊机节电60%以上
- ◆输出焊把线100m长仍能保持稳定焊接
- ◆缺相、欠压、过负载、输出短路时主机自动保护
- ◆适用于发电机供电、钢结构、野外施工等恶劣使用环境
- ◆Miniaturization design, simple operation, preset the welding current accurately beforehand.
- ◆The electrode with more than Φ4.0mm can weld constantly under the high temperature of 40℃.
- ◆It can use acidity, alkaline, cellulose, stainless steel, cast iron and all grades of electrode.
- ◆Efficient, energy-saving and environmental protection; save over 60% electricity more than AC welding machine.
- ◆Weld steadily with 100m welding wire.
- ◆When lack of phase, under-voltage, over-load, short circuit when outputting, the main engine can protect itself automatically.
- ◆Adapt to generators, steel construction, field construction and all harsh environments.

技术规格 Main Technical Parameter

产品型号	Product Type	ZX7-400C	ZX7-315DL	ZX7-400M
输入电源	Input Power Source	3P/380V , 50Hz	2P/220V ,3P/380V, 50Hz	2P/220V ,3P/380V, 50Hz
额定输入容量	Rated Input Capacity	16KVA	12.5KVA	16.3KVA
逆变频率	Inverting Frequency	20KHz	20KHz	20KHz
空载电压	No-Load Voltage	70V	65V	65V
负载持续率	Duly Cycle	60%	60%	60%
电流调节范围	Current Range	0-400A	0-315A	0-400A
焊条直径	Electrode Diameter	2.5/3.2/4.0mm	2.5/3.2/4.0mm	2.5/3.2/4.0mm
效率	Efficiency	90%	90%	90%
绝缘等级	Insulation Class	F	F	F
外形尺寸	Dimensions	400x200x350mm	400x200x350mm	400x200x350mm
重量	Weight	10kg	8kg	11kg

通用手工电弧焊机
General MMA

ZX7-400L



逆变直流手工电弧焊机 [模块]

Inverter DC manual arc welding machine [IGBT module]

主要功能特点 Character of product

- ◆40℃高温环境下Φ4.0mm以上焊条连续焊接
- ◆适用于酸性、碱性、纤维素、不锈钢、铸铁等所有牌号焊条
- ◆可作为Φ6.0mm碳棒快速碳弧刨电源
- ◆环保高效节能，比交流焊机节电60%以上
- ◆输出焊把线100m长仍能保持稳定焊接
- ◆缺相、欠压、过负载、输出短路时主机自动保护
- ◆适用于发电机供电、钢结构、野外施工等恶劣使用环境
- ◆The electrode with more than Φ4.0mm can weld constantly under the high temperature of 40℃.
- ◆It can use acidity, alkaline, cellulose, stainless steel, cast iron and all grades of electrode.
- ◆It can be as the rapid carbon arc power source with Φ4.0mm carbon rod.
- ◆Efficient, energy-saving and environmental protection; save over 60% electricity more than AC welding machine.
- ◆Weld steadily with 100m welding wire.
- ◆When lack of phase, under-voltage, over-load, short circuit when outputting, the main engine can protect itself automatically.
- ◆Adapt to generators, steel construction, field construction and all harsh environments.

技术规格 Main Technical Parameter

产品型号	Product Type	ZX7-400L(模块)	ZX7-400DL(单管)
输入电源	Input Power Source	2P/220V ,3P/380V, 50Hz	2P/220V ,3P/380V, 50Hz
额定输入容量	Rated Input Capacity	14.5KVA	14.5KVA
逆变频率	Inverting Frequency	20KHz	20KHz
空载电压	No-Load Voltage	75V	75V
负载持续率	Duly Cycle	60%	60%
电流调节范围	Current Range	0-400A	0-400A
焊条直径	Electrode Diameter	0.8-8mm	0.8-8mm
效率	Efficiency	90%	90%
绝缘等级	Insulation Class	F	F
外形尺寸	Dimensions	450x250x420mm	450x250x420mm
重量	Weight	15kg	14kg



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NOAH

ZX7-400T



逆变直流手工电弧焊机[380V]

Portable DC manual arc welding machine

主要功能特点 Character of product

- ◆40℃高温环境下Φ4.0mm以上焊条连续焊接
- ◆适用于酸性、碱性、纤维素、不锈钢、铸铁等所有牌号焊条
- ◆可作为Φ6.0mm碳棒快速碳弧刨电源
- ◆环保高效节能，比交流焊机节电60%以上
- ◆输出焊把线100m长仍能保持稳定焊接
- ◆缺相、欠压、过负载、输出短路时主机自动保护
- ◆适用于发电机供电、钢结构、野外施工等恶劣使用环境

- ◆The electrode with more than Φ4.0mm can weld constantly under the high temperature of 40℃.
- ◆It can use acidity, alkaline, cellulose, stainless steel, cast iron and all grades of electrode.
- ◆It can be as the rapid carbon arc power source with Φ4.0mm carbon rod.
- ◆Efficient, energy-saving and environmental protection; save over 60% electricity more than AC welding machine.
- ◆Weld steadily with 100m welding wire.
- ◆When lack of phase, under-voltage, over-load, short circuit when outputting, the main engine can protect itself automatically.
- ◆Adapt to generators, steel construction, field construction and all harsh environments.

技术规格 Main Technical Parameter

产品型号	Product Type	ZX7-400T	ZX7-500F
输入电源	Input Power Source	3P/380V, 50Hz	3P/380V, 50Hz
额定输入容量	Rated Input Capacity	14.5KVA	20KVA
逆变频率	Inverting Frequency	20KHz	20KHz
空载电压	No-Load Voltage	75V	60V
负载持续率	Duly Cycle	60%	60%
电流调节范围	Current Range	0-400A	0-500A
焊条直径	Electrode Diameter	0.8-5.0mm	0.8-8.0mm
效率	Efficiency	90%	90%
绝缘等级	Insulation Class	F	F
外形尺寸	Dimensions	450x250x420mm	450x250x420mm
重量	Weight	15kg	15kg

注：T代表输入电源为380V。Note: T means input power is 380V.

工业手工电弧焊机
Industrial MMA



ZX7-400S



逆变直流手工电弧焊机[模块]

Inverter DC manual arc welding machine [IGBT module]

主要功能特点 Character of product

- ◆采用IGBT大功率模块，全桥逆变主电路结构,主机具有超强的抗过载能力和初中的焊接工艺性能，500A以上机型可作为理想碳刨电源使用
- ◆核心控制芯片为新型电流型脉宽调制器，双闭环反馈控制，更加优良的静、动特性，电源漂移更小
- ◆数字表显示，可方便预置焊接电流，准确性 $\leq \pm 1A$
- ◆具有电弧推力调节功能，适用于所有牌号的电焊条
- ◆功率因数0.98，空载耗电 $< 100W$ ，比普通焊机节能约50%以上
- ◆具有短路保护功能和独特的待机工作电路，空载时无损焊机寿命，整机寿命比同类产品长一倍以上
- ◆Use IGBT high power module and full-bridge inverter main circuit structure; the main engine with superior resistance to overloads and with outstanding welding performance; the welding machines with over 500A can be used as an ideal carbon arc air gouging power source.
- ◆Core control chip is the new-style current pulse width modulator; double loop feedback control; the more excellent static and dynamic characteristics; the smaller current drift.
- ◆The digital table can preset welding current and the accuracy is $\leq \pm 1A$.
- ◆With the arc force adjustment function, and adapt to all grades of welding electrodes.
- ◆The power factor is 0.98; the power consumption with no-load is less than 100W; it can save above 50% energy more than ordinary welding machines.
- ◆Short-circuit protection function and the special standby operating circuit; it will not damage the welding machine's life while no-load, and the whole welding machine's life is one time longer than similar products.

技术规格 Main Technical Parameter

产品型号	Product Type	ZX7-400S	ZX7-500S
输入电源	Input Power Source	3P/380V, 50Hz	3P/380V, 50Hz
额定输入容量	Rated Input Capacity	14.5KVA	20KVA
逆变频率	Inverting Frequency	20KHz	20KHz
空载电压	No-Load Voltage	70V	70V
负载持续率	Duly Cycle	60%	60%
电流调节范围	Current Range	0-400A	0-500A
焊条直径	Electrode Diameter	0.8-5.0mm	0.8-6.0mm
效率	Efficiency	90%	90%
绝缘等级	Insulation Class	F	F
外形尺寸	Dimensions	450x250x420mm	500x260x460mm
重量	Weight	15kg	16kg



诺亚[®]
NOAH

ZX7-500S



碳弧气刨机 [模块]

Carbon arc gouging machine [IGBT module]

主要功能特点 Character of product

- ◆采用IGBT大功率模块，全桥逆变主电路结构,主机具有超强的抗过载能力和出众的焊接工艺性能，500A以上机型可作为理想碳刨电源使用
- ◆核心控制芯片为新型电流型脉宽调制器，双闭环反馈控制，更加优良的静、动特性，电源漂移更小
- ◆数字表显示，可方便预置焊接电流，准确性 $\leq \pm 1A$
- ◆具有电弧推力调节功能，适用于所有牌号的电焊条
- ◆功率因数0.98，空载耗电 $< 100W$ ，比普通焊机节能约50%以上
- ◆具有短路保护功能和独特的待机工作电路，空载时无损焊机寿命，整机寿命比同类产品长一倍以上
- ◆Use IGBT high power module and full-bridge inverter main circuit structure; the main engine with superior resistance to overloads and with outstanding welding performance; the welding machines with over 500A can be used as an ideal carbon arc air gouging power source.
- ◆Core control chip is the new-style current pulse width modulator; double loop feedback control; the more excellent static and dynamic characteristics; the smaller current drift.
- ◆The digital table can preset welding current and the accuracy is $\leq \pm 1A$.
- ◆With the arc force adjustment function, and adapt to all grades of welding electrodes.
- ◆The power factor is 0.98; the power consumption with no-load is less than 100W; it can save above 50% energy more than ordinary welding machines.
- ◆Short-circuit protection function and the special standby operating circuit; it will not damage the welding machine's life while no-load, and the whole welding machine's life is one time longer than similar products.

技术规格 Main Technical Parameter

产品型号	Product Type	ZX7-500S	ZX7-630S
输入电源	Input Power Source	3P/380V, 50Hz	3P/380V, 50Hz
额定输入容量	Rated Input Capacity	21.8KVA	30KVA
逆变频率	Inverting Frequency	20KHz	20KHz
空载电压	No-Load Voltage	75V	75V
负载持续率	Duly Cycle	60%	60%
电流调节范围	Current Range	0-500A	0-630A
焊条直径	Electrode Diameter	3.2-6.0mm	0.8-10.0mm
效率	Efficiency	90%	90%
绝缘等级	Insulation Class	F	F
外形尺寸	Dimensions	560x280x520mm	560x280x520mm
重量	Weight	30kg	33kg



诺亚
NOAH®

DH-28



便携式钢筋对焊机[模块]

Portable steel butt welding machine[IGBT module]

主要功能特点 Character of product

- ◆小型化设计，操作简便，焊接电流精确预显
- ◆采用IGBT大功率模块，全桥逆变主电路结构,主机具有超强的抗过载能力和出众的焊接工艺性能，500A以上机型可作为理想碳刨电源使用
- ◆核心控制芯片为新型电流型脉宽调制器，双闭环反馈控制，更加优良的静、动特性，电源漂移更小
- ◆数字表显示，可方便预置焊接电流，准确性 $\leq \pm 1A$
- ◆具有电弧推力调节功能，适用于所有牌号的电焊条
- ◆功率因数0.98，空载耗电 $< 100W$ ，比普通焊机节能约50%以上
- ◆具有短路保护功能和独特的待机工作电路，空载时无损焊机寿命，整机寿命比同类产品长一倍以上
- ◆Miniaturization design, simple operation, preset the welding current accurately beforehand.
- ◆Use IGBT high power module and full-bridge inverter main circuit structure; the main engine with superior resistance to overloads and with outstanding welding performance; the welding machines with over 500A can be used as an ideal carbon arc air gouging power source.
- ◆Core control chip is the new-style current pulse width modulator; double loop feedback control; the more excellent static and dynamic characteristics; the smaller current drift.
- ◆The digital table can preset welding current and the accuracy is $\leq \pm 1A$.
- ◆With the arc force adjustment function, and adapt to all grades of welding electrodes.
- ◆The power factor is 0.98; the power consumption with no-load is less than 100W; it can save above 50% energy more than ordinary welding machines.
- ◆Short-circuit protection function and the special standby operating circuit; it will not damage the welding machine's life while no-load, and the whole welding machine's life is one time longer than similar products.

技术规格 Main Technical Parameter

产品型号 Product Type	DH-28
输入电源 Input Power Source	3P/380V, 50Hz
额定输入容量 Rated Input Capacity	16KVA
逆变频率 Inverting Frequency	20KHz
空载电压 No-Load Voltage	85V
负载持续率 Duly Cycle	60%
电流调节范围 Currnet Range	0-630A
焊条直径 Electrode Diameter	$\leq 25mm$
效率 Efficiency	90%
绝缘等级 Insulation Class	F
外形尺寸 Dimensions	320x205x285mm
重量 Weight	9.5kg



HS-630



钢筋对焊机 [模块]

Steel butt welding machine[IGBT module]

主要功能特点 Character of product

- ◆采用IGBT大功率模块，全桥逆变主电路结构,主机具有超强的抗过载能力和出众的焊接工艺性能，500A以上机型可作为理想碳刨电源使用
- ◆核心控制芯片为新型电流型脉宽调制器，双闭环反馈控制，更加优良的静、动特性，电源漂移更小
- ◆数字表显示，可方便预置焊接电流，准确性 $\leq \pm 1A$
- ◆具有电弧推力调节功能，适用于所有牌号的电焊条
- ◆功率因数0.98，空载耗电 $< 100W$ ，比普通焊机节能约50%以上
- ◆具有短路保护功能和独特的待机工作电路，空载时无损焊机寿命，整机寿命比同类产品长一倍以上
- ◆Use IGBT high power module and full-bridge inverter main circuit structure; the main engine with superior resistance to overloads and with outstanding welding performance; the welding machines with over 500A can be used as an ideal carbon arc air gouging power source.
- ◆Core control chip is the new-style current pulse width modulator; double loop feedback control; the more excellent static and dynamic characteristics; the smaller current drift.
- ◆The digital table can preset welding current and the accuracy is $\leq \pm 1A$.
- ◆With the arc force adjustment function, and adapt to all grades of welding electrodes.
- ◆The power factor is 0.98; the power consumption with no-load is less than 100W; it can save above 50% energy more than ordinary welding machines.
- ◆Short-circuit protection function and the special standby operating circuit; it will not damage the welding machine's life while no-load, and the whole welding machine's life is one time longer than similar products.

技术规格 Main Technical Parameter

产品型号	Product Type	HS-630	DH-630
输入电源	Input Power Source	3P/380V, 50Hz	3P/380V, 50Hz
额定输入容量	Rated Input Capacity	30KVA	30KVA
逆变频率	Inverting Frequency	20KHz	20KHz
空载电压	No-Load Voltage	85V	85V
负载持续率	Duly Cycle	30%	40%
电流调节范围	Current Range	0-630A	0-630A
焊条直径	Electrode Diameter	0.8-10.0mm	0.8-10.0mm
效率	Efficiency	90%	90%
绝缘等级	Insulation Class	F	F
外形尺寸	Dimensions	450x250x420mm	450x250x420mm
重量	Weight	15kg	16kg

矿用手工电弧焊机
Mining welding machine



ZX7-400S



逆变直流手工电弧焊机 [380V/660V]
Inverter DC MMA

主要功能特点 Character of product

- ◆采用IGBT大功率模块，全桥逆变主电路结构,主机具有超强的抗过载能力和出众的焊接工艺性能，500A以上机型可作为理想碳刨电源使用
- ◆核心控制芯片为新型电流型脉宽调制器，双闭环反馈控制，更加优良的静、动特性，电源漂移更小
- ◆数字表显示，可方便预置焊接电流，准确性 $\leq \pm 1A$
- ◆具有电弧推力调节功能，适用于所有牌号的电焊条
- ◆功率因数0.98，空载耗电 $< 100W$ ，比普通焊机节能约50%以上
- ◆具有短路保护功能和独特的待机工作电路，空载时无损焊机寿命，整机寿命比同类产品长一倍以上
- ◆Use IGBT high power module and full-bridge inverter main circuit structure; the main engine with superior resistance to overloads and with outstanding welding performance; the welding machines with over 500A can be used as an ideal carbon arc air gouging power source.
- ◆Core control chip is the new-style current pulse width modulator; double loop feedback control; the more excellent static and dynamic characteristics; the smaller current drift.
- ◆The digital table can preset welding current and the accuracy is $\leq \pm 1A$.
- ◆With the arc force adjustment function, and adapt to all grades of welding electrodes.
- ◆The power factor is 0.98; the power consumption with no-load is less than 100W; it can save above 50% energy more than ordinary welding machines.
- ◆Short-circuit protection function and the special standby operating circuit; it will not damage the welding machine's life while no-load, and the whole welding machine's life is one time longer than similar products.

技术规格 Main Technical Parameter

产品型号 Product Type	ZX7-400S	ZX7-500S
输入电源 Input Power Source	3P/380V/660V, 50Hz	3P/380V/660V, 50Hz
额定输入容量 Rated Input Capacity	14.5KVA	20KVA
逆变频率 Inverting Frequency	20KHz	20KHz
空载电压 No-Load Voltage	75V	75V
负载持续率 Duly Cycle	60%	60%
电流调节范围 Current Range	0-400A	0-500A
焊条直径 Electrode Diameter	0.8-5.0mm	0.8-6.0mm
效率 Efficiency	90%	90%
绝缘等级 Insulation Class	F	F
外形尺寸 Dimensions	560x280x520mm	560x280x520mm
重量 Weight	28kg	28kg



诺亚[®]
NOAH

ZXD-400



轨道专用电弧焊机[DC-300]

The special track inverter DC MMA

主要功能特点 Character of product

- ◆◆40℃高温环境下Φ3.2mm焊条连续焊接
- ◆具有电弧推力调节功能，适用于酸性、碱性、纤维素、不锈钢、铸铁等所有牌号焊条
- ◆环保高效节能，比交流焊机节电60%
- ◆人性化设计，操作简便，焊接电流精确预显
- ◆输出焊把线100m长仍能保持稳定焊接
- ◆缺相、欠压、过负荷、输出短路时主机自动保护
- ◆使用于发电机供电、钢结构、野外施工等恶劣使用环境
- ◆适合铁矿场所作业

- ◆The electrode that is more than Φ3.2mm can weld constantly under the high temperature of 40℃.
- ◆Arc force adjustment, adapting to acidity, alkaline, cellulose, stainless steel, cast iron and all grades of electrode.
- ◆Efficient, energy-saving and environmental protection; saving electricity over 60% more than AC welding machine.
- ◆Humanization design, simple operation, displaying the welding current accurately beforehand.
- ◆Welding steadily when the welding wire is 100m.
- ◆When lack of phase, undervoltage, overload, short circuit when outputting, the main engine can protect itself automatically.
- ◆Adapting generators, steel construction, field construction and all harsh environments.
- ◆Suitable for iron ores workings.

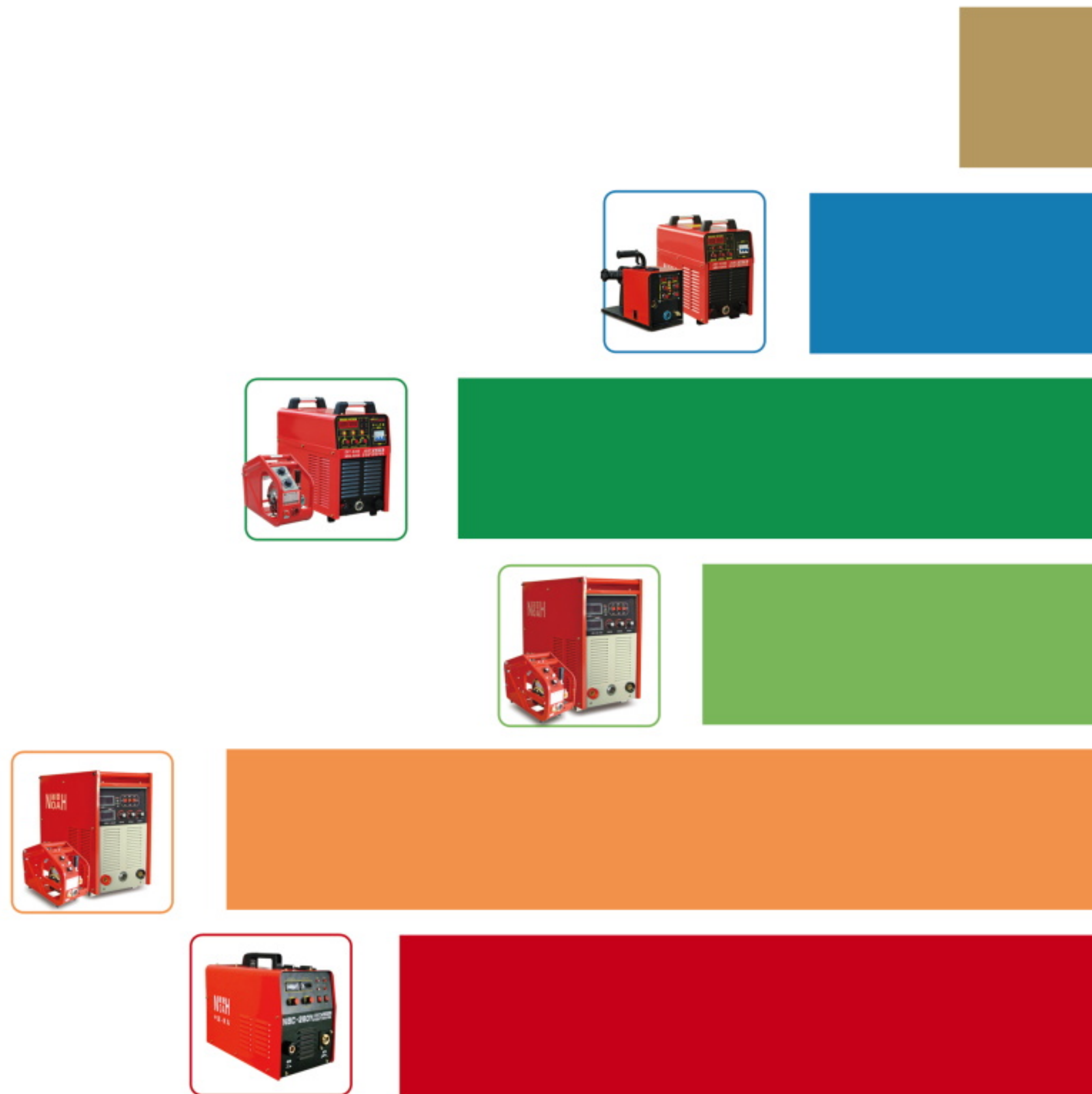
技术规格 Main Technical Parameter

产品型号	Product Type	ZXD-400
输入电源	Input Power Source	DC300V
额定输入容量	Rated Input Capacity	12.5KVA
逆变频率	Inverting Frequency	20KHz
空载电压	No-Load Voltage	65V
负载持续率	Duly Cycle	60%
电流调节范围	Current Range	0-400A
焊条直径	Electrode Diameter	0.8-4.0mm
效率	Efficiency	90%
绝缘等级	Insulation Class	F
外形尺寸	Dimensions	450x250x420mm
重量	Weight	18kg

气体保护焊机系列

Industrial MIG/MAG

诺亚[®]
NOAH



工业气体保护焊机
Industrial MIG/MAG



NBC-280Y



NO:201004101349050

一体气体保护焊机
Integrated MAG

主要功能特点 Character of product

- ◆优良的电压、电流双波控制电路，电子电抗器，脉冲峰值抑制技术，保证了每个熔滴都得到有效控制
- ◆电压、电流双闭环反馈控制，在电网电压波动时也能保证焊接电弧的稳定性
- ◆超小型设计，便于搬运，操作灵活，使用方便
- ◆无外置控制线，减少了断线故障，采用新型控制端子和快速连接器
- ◆适用于低碳钢、不锈钢、铁板及特种钢材的焊接
- ◆The excellent control circuit of voltage and current, reactance, and pulse peak control technology can well control every molten drop.
- ◆It can weld steadily because of the voltage and current closed-loop feedback control when grid voltage fluctuates.
- ◆It can be carried and operated easily .
- ◆There is no control line outside and it use new type of control terminals and quick connector. And so there is less problem with line-broken.
- ◆It can weld low-carbon steel, stainless steel, iron plate and especial steel.

技术规格 Main Technical Parameter

产品型号	Product Type	NBC-250Y	NBC-280Y	NBC-280L
输入电源	Input Power Source	2P/220V , 50Hz	3P/380V, 50Hz	2P/220V ,3P/380V, 50Hz
额定输入容量	Rated Input Capacity	8.2KVA	8.6KVA	8.6KVA
逆变频率	Inverting Frequency	20KHz	20KHz	20KHz
空载电压	No-Load Voltage	55V	60V	60V
负载持续率	Duly Cycle	60%	60%	60%
电压调节范围	Voltage Range	14.5-26.5V	15-28V	15-28V
焊条直径	Electrode Diameter	0.8-1.0mm	0.8-1.0mm	0.8-1.0mm
效率	Efficiency	90%	90%	90%
绝缘等级	Insulation Class	F	F	F
外形尺寸	Dimensions	530x300x360mm	530x300x360mm	530x300x360mm
重量	Weight	15kg	15kg	15kg



NBC-500F



逆变高性能气体保护焊机 [380V]

Inverter MIG/MAG welding machine [380V]

主要功能特点 Character of product

- ◆国内首创电压电流双预置功能，操作更加方便
 - ◆出众的电压、电流双波形控制电路，焊接飞溅小，焊缝成型美观
 - ◆操作方便，可选用加长控制电缆，适于狭窄场地和高处场地的焊接作业
 - ◆数字显示电压电流，人性化设计，无需繁琐的外部焊接规范设定
 - ◆独特的AFTT去球电路，焊接终了进焊丝端无残留小球
 - ◆配置具有焊丝校直器的送丝机构，送丝性能优越，在焊枪过度弯曲时也能保证电弧的稳定性
-
- ◆The national initiative presetting function of current and voltage and the more convenient operation.
 - ◆The dual wave control circuit of superior voltage and current; the small welding spatter and the beautiful welding forming.
 - ◆Simple operation; it can weld with the long control cable in the narrow and high areas.
 - ◆The numeration table displays current and voltage; humanization design without cumbersome external welding specifications.
 - ◆The special AFTT with removing ball circuit; there is no remained ball at the terminal after welding.
 - ◆Configuring the wire feeder with Straightener and wire feed function is superior; the arc is still stable when the welding torch bends excessively.

技术规格 Main Technical Parameter

产品型号	Product Type	NBC-280F	NBC-350F	NBC-500F
输入电源	Input Power Source	3P/380V, 50Hz	3P/380V, 50Hz	3P/380V, 50Hz
额定输入容量	Rated Input Capacity	8.6KVA	15KVA	20KVA
逆变频率	Inverting Frequency	20KHz	20KHz	20KHz
空载电压	No-Load Voltage	60V	65V	70V
负载持续率	Duly Cycle	60%	60%	60%
电压调节范围	Voltage Range	15-28V	15-31.5V	16-39V
焊丝直径	Electrode Diameter	0.8-1.0mm	0.8-1.2mm	1.0/1.2/1.6mm
效率	Efficiency	90%	90%	90%
绝缘等级	Insulation Class	F	F	F
外形尺寸	Dimensions	560x280x520mm	560x280x520mm	600x300x560mm
重量	Weight	31kg	31kg	39kg



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NBC-500N



两用气体保护焊机 [380V]

MMA or MAG [380V]

主要功能特点 Character of product

- ◆国内首创电压电流双预置功能，操作更加方便
 - ◆出众的电压、电流双波形控制电路，焊接飞溅小，焊缝成型美观
 - ◆操作方便，可选用加长控制电缆，适于狭窄场地和高处场地的焊接作业
 - ◆数字显示电压电流，人性化设计，无需繁琐的外部焊接规范设定
 - ◆独特的AFTT去球电路，焊接终了进焊丝端无残留小球
 - ◆配置具有焊丝校直器的送丝机构，送丝性能优越，在焊枪过度弯曲时也能保证电弧的稳定性
- ◆The national initiative presetting function of current and voltage and the more convenient operation.
- ◆The dual wave control circuit of superior voltage and current; the small welding spatter and the beautiful welding forming.
- ◆Simple operation; it can weld with the long control cable in the narrow and high areas.
- ◆The numeration table displays current and voltage; humanization design without cumbersome external welding specifications.
- ◆The special AFTT with removing ball circuit; there is no remained ball at the terminal after welding.
- ◆Configuring the wire feeder with Straightener and wire feed function is superior; the arc is still stable when the welding torch bends excessively.

技术规格 Main Technical Parameter

产品型号	Product Type	NBC-250N	NBC-350N	NBC-500N
输入电源	Input Power Source	3P/380V, 50Hz	3P/380V, 50Hz	3P/380V, 50Hz
额定输入容量	Rated Input Capacity	8.2KVA	15KVA	20KVA
逆变频率	Inverting Frequency	20KHz	20KHz	20KHz
空载电压	No-Load Voltage	55V	65V	70V
负载持续率	Duly Cycle	60%	60%	60%
电压调节范围	Voltage Range	14-28V	15-33V	16-42V
电流调节范围	Currnet Range	0-250A	0-350A	0-500A
焊条直径	Electrode Diameter	0.8-1.0mm	0.8-1.2mm	1.0/1.2/1.6mm
效率	Efficiency	90%	90%	90%
绝缘等级	Insulation Class	F	F	F
外形尺寸	Dimensions	450x250x420mm	570x300x520mm	570x300x520mm
重量	Weight	17.5kg	30kg	38kg



诺亚[®]
NOAH



NBC-500SX



双芯气体保护焊机 [模块+两芯控制线]

MAG with two cores[IGBT module]

主要功能特点 Character of product

- ◆全球首创两芯控制线气体保护焊机，比七芯控制线焊机在操作连接方面更快速方便。
- ◆出众的电压、电流双波形控制电路，焊接飞溅小，焊缝成型美观
- ◆操作方便，可选用加长控制电缆，适于狭窄场地和高处场地的焊接作业
- ◆数字显示电压电流，人性化设计，无需繁琐的外部焊接规范设定
- ◆独特的AFTT去球电路，焊接终了进焊丝端无残留小球
- ◆配置具有焊丝校直器的送丝机构，送丝性能优越，在焊枪过度弯曲时也能保证电弧的稳定性
- ◆The MIG/MAG with two cores is the world initiative welding machine. And it is falter and more convenient than MIG/MAG with seven cores.
- ◆The dual wave control circuit of superior voltage and current; the small welding spatter and the beautiful welding forming.
- ◆Simple operation; it can weld with the long control cable in the narrow and high areas.
- ◆The numeration table displays current and voltage; humanization design without cumbersome external welding specifications.
- ◆The special AFTT with removing ball circuit; there is no remained ball at the terminal after welding.
- ◆Configuring the wire feeder with Straightener and wire feed function is superior; the arc is still stable when the welding torch bends excessively.

技术规格 Main Technical Parameter

产品型号 Product Type	NBC-350SX	NBC-500SX
输入电源 Input Power Source	3P/380V, 50Hz	3P/380V, 50Hz
额定输入容量 Rated Input Capacity	14KVA	20KVA
逆变频率 Inverting Frequency	20KHz	20KHz
空载电压 No-Load Voltage	65V	70V
负载持续率 Duly Cycle	60%	60%
电压调节范围 Voltage Range	15-35V	16-45V
电流调节范围 Currnet Range	0-500A	0-630A
焊条直径 Electrode Diameter	0.8-1.2mm	1.0/1.2/1.6mm
效率 Efficiency	90%	90%
绝缘等级 Insulation Class	F	F
外形尺寸 Dimensions	600x300x560mm	630x300x560mm
重量 Weight	30kg	30kg

矿用气体保护焊机
Mining welding machine



NBC-500



逆变高性能气体保护焊机 [380V/660V]
Inverter MIG/MAG welding machine [IGBT module]

主要功能特点 Character of product

- ◆国内首创电压电流双预置功能，操作更加方便
- ◆出众的电压、电流双波形控制电路，焊接飞溅小，焊缝成型美观
- ◆操作方便，可选用加长控制电缆，适于狭窄场地和高处场地的焊接作业
- ◆数字显示电压电流，人性化设计，无需繁琐的外部焊接规范设定
- ◆独特的AFTT去球电路，焊接终了进焊丝端无残留小球
- ◆配置具有焊丝校直器的送丝机构，送丝性能优越，在焊枪过度弯曲时也能保证电弧的稳定性
- ◆The national initiative presetting function of current and voltage and the more convenient operation.
- ◆The dual wave control circuit of superior voltage and current; the small welding spatter and the beautiful welding forming.
- ◆Simple operation; it can weld with the long control cable in the narrow and high areas.
- ◆The numeration table displays current and voltage; humanization design without cumbersome external welding specifications.
- ◆The special AFTT with removing ball circuit; there is no remained ball at the terminal after welding.
- ◆Configuring the wire feeder with Straightener and wire feed function is superior; the arc is still stable when the welding torch bends excessively.

技术规格 Main Technical Parameter

产品型号	Product Type	NBC-350	NBC-500
输入电源	Input Power Source	3P/380V/660V, 50Hz	3P/380V/660V, 50Hz
额定输入容量	Rated Input Capacity	5KVA	20KVA
逆变频率	Inverting Frequency	20KHz	20KHz
空载电压	No-Load Voltage	65V	70V
负载持续率	Duly Cycle	60%	60%
电压调节范围	Voltage Range	15-33V	16-42A
焊条直径	Electrode Diameter	0.8-1.2mm	1.0/1.2/1.6mm
效率	Efficiency	90%	90%
绝缘等级	Insulation Class	F	F
外形尺寸	Dimensions	560x280x530mm	600x300x560mm
重量	Weight	28kg	35kg

通用氩弧焊机系列

General TIG/MMA



诺亚[®]
NOAH



WS-250L



便携式氩弧电弧焊机

Portable TIG/MMA welding machine

主要功能特点 Character of product

- ◆小型化设计，操作简单，焊接电流精确预显
- ◆钨极氩弧焊和手工电弧焊兼用
- ◆适用于酸性、碱性、纤维素、不锈钢、铸铁等所有牌号焊条
- ◆环保高效节能，比交流焊机节电60%以上
- ◆缺相、欠压、过负载、输出短路时主机自动保护
- ◆广泛用于薄板制件，管道安装、模具维修、压力容器、装潢等行业

- ◆Miniaturization design, simple operation, preset the welding current accurately beforehand.
- ◆Tungsten argon and manual arc welding machine can all be used either.
- ◆It can use acidity, alkaline, cellulose, stainless steel, cast iron and all grades of electrode.
- ◆Efficient, energy-saving and environmental protection; save electricity over 60% more than AC welding machine.
- ◆When lake of phase, under-voltage, over-load, output short circuit, the main engine can protect itself automatically.
- ◆Widely be used in sheet metal fabrication, pipe installation, mold maintenance, pressure vessels, decoration and other industries.

技术规格 Main Technical Parameter

产品型号	Product Type	WS-250A	WS-250L	WS-315L
输入电源	Input Power Source	2P/220V , 50Hz	2P/220V/380V, 50Hz	2P/220V/380V, 50Hz
额定输入容量	Rated Input Capacity	6.3KVA	5.4KVA	7.8KVA
逆变频率	Inverting Frequency	20KHz	20KHz	20KHz
空载电压	No-Load Voltage	55V	55V	60V
负载持续率	Duly Cycle	60%	60%	60%
电流调节范围	Current Range	0-250A	0-250A	0-315A
效率	Efficiency	90%	90%	90%
绝缘等级	Insulation Class	F	F	F
外形尺寸	Dimensions	370x155x240mm	300x150x240mm	300x150x240mm
重量	Weight	6kg	5.5kg	5.5kg



诺亚
NOAH®

WS-315



便携式氩弧电弧焊机 [380V]

Portable TIG/MMA welding machine

主要功能特点 Character of product

- ◆小型化设计，操作简单，焊接电流精确预显
 - ◆220V单相，380V三相电源均可使用，电路自动识别
 - ◆钨极氩弧焊和手工电弧焊兼用
 - ◆适用于酸性、碱性、纤维素、不锈钢、铸铁等所有牌号焊条
 - ◆环保高效节能，比交流焊机节电60%以上
 - ◆输出焊把线100m长仍能保持稳定焊接
 - ◆缺相、欠压、过负载、输出短路时主机自动保护
 - ◆广泛用于薄板制件，管道安装、模具维修、压力容器、装潢等行业
-
- ◆Miniaturization design, simple operation, preset the welding current accurately beforehand.
 - ◆220V single phase and 380v three-phase power source can be all used, and the circuit can identify automatically.
 - ◆Tungsten argon and manual arc welding machine can all be used either.
 - ◆It can use acidity, alkaline, cellulose, stainless steel, cast iron and all grades of electrode.
 - ◆Efficient, energy-saving and environmental protection; save electricity over 60% more than AC welding machine.
 - ◆Weld steadily with 100m welding wire.
 - ◆When lake of phase, under-voltage, over-load, output short circuit, the main engine can protect itself automatically.
 - ◆Widely be used in sheet metal fabrication, pipe installation, mold maintenance, pressure vessels, decoration and other industries.

技术规格 Main Technical Parameter

产品型号 Product Type	WS-315	WS-400
输入电源 Input Power Source	3P/380V, 50Hz	3P/380V, 50Hz
额定输入容量 Rated Input Capacity	7.8KVA	11.3KVA
逆变频率 Inverting Frequency	20KHz	20KHz
空载电压 No-Load Voltage	65V	65V
负载持续率 Duly Cycle	60%	60%
电流调节范围 Current Range	0-315A	0-400A
效率 Efficiency	90%	90%
绝缘等级 Insulation Class	F	F
外形尺寸 Dimensions	500x260x460mm	500x2860x460mm
重量 Weight	14kg	14kg

等离子切割机系列

General TIG/MMA



诺亚[®]
NOAH



民用等离子切割机
Plasma cutter

LGK-40



逆变直流等离子切割机 [380V]

Inverter DC plasma cutter

主要功能特点 Character of product

- ◆采用移相全桥逆变主电路，整机可靠性高
- ◆人性化设计，操作简便，焊接电流精确预显
- ◆高频引弧，起弧容易
- ◆数显表头，切割电源精确预置
- ◆延时停气功能，有效地保护割炬
- ◆具有自锁 / 非自锁切割功能。可以匹配自动切割
- ◆切割电弧稳定。切割速度快，切口平滑，变形小，节省材料
- ◆可切割不锈钢、碳钢、合金钢、铝、铜等金属
- ◆Miniaturization design, simple operation and preset the welding current accurately beforehand.
- ◆Adopt phase shift full-bridge inverter main circuit and the whole welding machine has a high reliability.
- ◆High-frequency arc starting and easy arc starting.
- ◆The cutting current can be presented accurately on the numeration table.
- ◆The function of delay to stop gas can protect the cutting torch effectively.
- ◆It can match the automatic cutting with a "self-locking/ non-self-locking" cutting function.
- ◆Stable cutting arc, quick cutting speed, smooth incision, small deformation and save materials.
- ◆It can cut stainless, carbon steel, alloy steel, aluminum, copper and other metals.

技术规格 Main Technical Parameter

产品型号 Product Type	LGK-40	LGK-70	LGK-100
输入电源 Input Power Source	3P/380V, 50Hz	3P/380V, 50Hz	3P/380V, 50Hz
额定输入容量 Rated Input Capacity	4.3KVA	8.3KVA	20KVA
逆变频率 Inverting Frequency	20KHz	20KHz	20KHz
空载电压 No-Load Voltage	260V	300V	320V
负载持续率 Duly Cycle	60%	60%	60%
电流调节范围 Current Range	10-40A	15-70A	20-100A
推荐切割厚度 Recommended for cutting thickness	8mm	12mm	20mm
最大切割厚度 Maximum cutting thickness	11mm	15mm	40mm
效率 Efficiency	90%	90%	90%
绝缘等级 Insulation Class	F	F	F
外形尺寸 Dimensions	500x260x460mm	500x260x460mm	570x300x520mm
重量 Weight	13kg	15kg	35kg

机用等离子切割机
Plasma cutter

LGK-120



逆变直流等离子切割机 [380V]

Inverter DC plasma cutter

主要功能特点 Character of product

- ◆采用移相全桥逆变主电路，整机可靠性高
- ◆人性化设计，操作简便，焊接电流精确预显
- ◆高频引弧，起弧容易
- ◆数显表头，切割电源精确预置
- ◆延时停气功能，有效地保护割炬
- ◆具有自锁 / 非自锁切割功能。可以匹配自动切割
- ◆切割电弧稳定。切割速度快，切口平滑，变形小，节省材料
- ◆可切割不锈钢、碳钢、合金钢、铝、铜等金属
- ◆Miniaturization design, simple operation and preset the welding current accurately beforehand.
- ◆Adopt phase shift full-bridge inverter main circuit and the whole welding machine has a high reliability.
- ◆High-frequency arc starting and easy arc starting.
- ◆The cutting current can be presented accurately on the numeration table.
- ◆The function of delay to stop gas can protect the cutting torch effectively.
- ◆It can match the automatic cutting with a "self-locking/ non-self-locking" cutting function.
- ◆Stable cutting arc, quick cutting speed, smooth incision, small deformation and save materials.
- ◆It can cut stainless, carbon steel, alloy steel, aluminum, copper and other metals.

技术规格 Main Technical Parameter

产品型号 Product Type	LGK-120	LGK-160	LGK-200
输入电源 Input Power Source	3P/380V, 50Hz	3P/380V, 50Hz	3P/380V, 50Hz
额定输入容量 Rated Input Capacity	22.8KVA	25.6KVA	35.6KVA
逆变频率 Inverting Frequency	20KHz	20KHz	20KHz
空载电压 No-Load Voltage	360V	380V	400V
负载持续率 Duly Cycle	60%	60%	60%
电流调节范围 Current Range	30-120A	40-120A	50-120A
推荐切割厚度 Recommended for cutting thickness	25mm	30mm	32mm
最大切割厚度 Maximum cutting thickness	45mm	50mm	70mm
效率 Efficiency	90%	90%	90%
绝缘等级 Insulation Class	F	F	F
外形尺寸 Dimensions	630x310x585mm	630x310x580mm	980x450x740mm
重量 Weight	39kg	42kg	80kg



埋弧焊机

Submerged arc welding machine

MZ-1000



埋弧焊机

Submerged arc welding machine

主要功能特点 Character of product

- ◆卧式结构，独特的防护技术的重工业级焊机。采用顶级的原材料和电子器件制造，以及独特的防护工艺，特别适应在恶劣重工业环境下使用，使用于碳钢、不锈钢、合金钢等 high 质焊接。
- ◆具有电压波动补偿电路，对供电电网波动的适应能力极强，对电网冲击小，使用寿命强。
- ◆对适应 $\Phi 2-\Phi 6$ 的各种焊丝焊接，单丝埋弧焊不开坡口一次熔深可达10mm。
- ◆综合国际先进技术，主要部件与国际顶级的埋弧焊自动焊机兼容，可与各类自动化专机配套工作。
- ◆多种焊接模式，可根据需要调节控制模式转换开关来选择输出的特征。
- ◆输出电压和电流稳定，焊接质量高，控制技术先进，电流调节范围宽。
- ◆Horizontal arrangement, a unique protection technology for heavy-class welder. Using top - of raw materials and electronic components manufacturing, and unique protection technology, suitable for heavy industry in harsh environments. Available for welding of carbon steel, stainless steel, alloy steel.
- ◆A voltage fluctuation compensation circuit to adapt strongly on the electric net fluctuation, the impact on the electric net is small, strong life.
- ◆ $\Phi 2-\Phi 6$ can adapt to a variety of wire welding, 20mm deep for single-wire submerged arc welding without groove.
- ◆Comprehensive international advanced technology, compatible with the international advanced automatic submerged arc welding machine for major parts and various types of automated machine.
- ◆Multi welding mode, select different output via mode switch.
- ◆Steady output voltage and current, high quality welding, advanced control technology, wide current scope.
- ◆Available for shipbuilding, steel structures, pipes, boilers, machinery and other industries.

技术规格 Main Technical Parameter

产品型号	Product Type	MZ-800	MZ-1000	MZ-1250
输入电源	Input Power Source	3P/380V, 50Hz	3P/380V, 50Hz	3P/380V, 50Hz
额定输入容量	Rated Input Capacity	46KVA	57KVA	70KVA
逆变频率	Inverting Frequency	50/60KHz	50/60KHz	50/60KHz
空载电压	No-Load Voltage	63V	63V	63V
负载持续率	Duly Cycle	100%	100%	80%
电压调节范围	Voltage Range	22-44V	26-44V	28-44V
电流调节范围	Currnet Range	100-800A	150-1000A	200-1250A
焊条直径	Electrode Diameter	0.8-1.2mm	0.8-1.2mm	0.8-1.2mm
效率	Efficiency	90%	90%	90%
绝缘等级	Insulation Class	F	F	F
外形尺寸	Dimensions	767x352x802mm	767x352x802mm	767x352x802mm
重量	Weight	90kg	95kg	100kg

企业风采

Enterprise style

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国际交流

2012巴西客户来访 1/2

2013年埃森展 3-7

2014年俄罗斯国际焊接展 8-10



国内交流

1/2 2012年(第十届)中国企业竞争万年会

3-5 2012年第十七届埃森展

6-8 2013年第十八届埃森展

9-12 2014年第十九届埃森展