



SHENZHEN PUNAIR TECHNOLOGY CO.,LTD



Punair Welder
Reliable Partner

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Punair

Quality Is Our Essence Of Presenting Punair Over The World

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Corporate Introduction

Corporate Introduction

Shenzhen Punair Technology Co, Ltd is a national high-tech enterprise in China. The company specializes in the R&D, manufacturing, and marketing functions of the inverter welding & cutting machines. Punair's Vision is to become the world-class supplier of welding&cutting industry while Punair's Mission is to create, develop and contribute to this industrial market all over the world.

Punair is located in the China First Tier City - Shenzhen which delivers a very convenient transportation network access to the world and shares the border with the international famous metropolis - Hong Kong.

The company has expanded its advanced manufacturing facilities up close to 20,000 square meters in which there serves several mechanized production lines and sufficient sophisticated equipments and devices.

By passing the certification requirements of the ISO9001:2000, the company has well developed full ranges of products which have been certified with the CE, CCC, CSA, SAA certificates by the corresponding authorities.

"Quality&Innovation Make PUNAIR Standing Out of the World" is our core concept. With this underpinning, Punair is striding on the broaden road to pour its continuous contribution in the technology and market as well as to become one of world-class manufacturing suppliers in the welding&cutting industry.



CORPORATE CULTURE

VISION:
Punair's Vision Is to Become the World-class Supplier of Welding & Cutting Industry

MISSION:
Punair's Mission Is to Create, Develop and Contribute to the Global Market.

CORE CONCEPT:
Quality&Innovation Make PUNAIR Standing Out of the World.

VALUE:
Employees, customers and industry are our power sources, our value is to keep contributing to the employees, customers and industry throughout our continuous development.

BUSINESS PHILOSOPHY:
Outstanding Quality, Worldwide Punair

SLOGAN :
Punair Welder, Reliable Partner





ARC160MAX 1Phase/220V

- IGBT, MCU, Small body,high energy
- LED display, multi pcb boards,Full bridge tech
- Adjustable hot start,arc force and VRD function
- Automatically matching welding parameters
- Mainly for 3.2 electrode, 8 KW generator



ARC200MAX 1Phase/220V

- IGBT, MCU, Small body,high energy
- LED display, multi pcb boards,Full bridge tech
- Adjustable hot start,arc force and VRD function
- Automatically matching welding parameters
- Mainly for 4.0 electrode, 8 KW generator



ARC250DMAX 1Phase/220V

- IGBT, MCU, Small body,high energy
- LED display, multi pcb boards,Full bridge tech
- Adjustable hot start,arc force and VRD function
- Automatically matching welding parameters
- Mainly for 4.0 electrode, 12 KW generator



ARC250MAX 3Phase/380V

- IGBT, MCU, Small body,high energy
- LED display, multi pcb boards,Full bridge tech
- Adjustable hot start,arc force and VRD function
- Automatically matching welding parameters
- Mainly for 4.0 electrode, 15 KW generator

Application files

Hardware processing, light steel structure, building decoration, equipment installation, outdoor generator operation



Specification

Model	Input Voltage(V)	Frequency (Hz)	Rated Input Current(A)	No-Load Volatge(V)	Output Current(A)	Rated output voltage(V)	Duty cycle(%)	Hot Start (A)
ARC160MAX	220	50-60	32	70	30-160	26.8	30	1-100
ARC200MAX	220	50-60	40	70	30-200	28.4	30	1-100

Model	Arc Force (A)	No-load loss(W)	Efficiency (%)	Power factor	Insulation Grade	Housing Grade	Net weight (kg)	Dimension (mm)
ARC160MAX	1-10	40	80	0.73	F	IP21	4.64	305*146*258
ARC200MAX	1-10	40	80	0.73	F	IP21	4.64	305*146*258

Purchase Guide

Material	Thickness(mm)	Electrode Diameter(mm)	Current Range(A)	Applicable Model
carbon steel	2.0-5.0	2.5/3.2	30-160	ARC160MAX
alloy steel	2.0-6.0	2.5/3.2/4.0	30-200	ARC200MAX
Stainless steel	2.0-6.0	2.5/3.2/4.0	30-200	ARC200MAX

Application files

Hardware processing, light steel structure, building decoration, equipment installation, outdoor generator operation



Specification

Model	Input Voltage(V)	Frequency (Hz)	Rated Input Current(A)	No-Load Volatge(V)	Output Current(A)	Rated output voltage(V)	Duty cycle(%)	Hot Start (A)
ARC250DMAX	220	50-60	52	62	30-250	30	40	1-100
ARC250MAX	380	50-60	20	60	30-250	30	40	1-100

Model	Arc Force (A)	No-load loss(W)	Efficiency (%)	Power factor	Insulation Grade	Housing Grade	Net weight (kg)	Dimension (mm)
ARC250DMAX	1-10	40	80	0.73	F	IP21	9.1	403*181*324
ARC250MAX	1-10	80	85	0.93	F	IP21	6.6	350*159*300

Purchase Guide

Material	Thickness(mm)	Electrode Diameter(mm)	Current Range(A)	Applicable Model
carbon steel	2.0-8.0	2.5/3.2/4.0	30-250	ARC250DMAX
alloy steel	2.0-10.0	2.5/3.2/4.0	30-250	ARC250MAX
Stainless steel	2.0-10.0	2.5/3.2/4.0	30-250	ARC250MAX



ARC300MAX 3Phase/380V

- IGBT, MCU, Small body, high energy
- LED display, multi pcb boards, Full bridge tech
- Adjustable hot start, arc force and VRD function
- Automatically matching welding parameters
- Mainly for 4.0 electrode
- Suitable for welding with extended cables up to 100M



ARC400MAX 3Phase/380V

- IGBT, MCU, Small body, high energy
- LED display, multi pcb boards, Full bridge tech
- Adjustable hot start, arc force and VRD function
- Automatically matching welding parameters
- Mainly for 5.0 electrode
- Suitable for welding with extended cables up to 100M



ARC300I 3Phase/380V

- Dual IGBT modules, MCU, reactance, high duty
- LED display, multi pcb boards, full bridge tech
- Adjustable hot start, arc force and VRD function
- Automatically matching welding parameters
- Mainly for 4.0 electrode
- Suitable for welding with extended cables up to 100M



ARC400I 3Phase/380V

- Dual IGBT modules, MCU, reactance, high duty
- LED display, multi pcb boards, full bridge tech
- Adjustable hot start, arc force and VRD function
- Automatically matching welding parameters
- Mainly for 5.0 electrode
- Suitable for welding with extended cables up to 100M

Application files

Piping, engineering and construction sites, fabrication and installation of medium-sized steel structures



Specification

Model	Input Voltage(V)	Frequency (Hz)	Rated Input Current(A)	No-Load Voltage(V)	Output Current(A)	Rated output voltage(V)	Duty cycle(%)	Hot Start (A)
ARC300MAX	380	50-60	22	60	30-300	32	40	1-100
ARC400MAX	380	50-60	27	60	30-400	36	60	1-100

Model	Arc Force (A)	No-load loss(W)	Efficiency (%)	Power factor	Insulation Grade	Housing Grade	Net weight (kg)	Dimension (mm)
ARC300MAX	1-10	80	85	0.93	F	IP21	9.1	403*181*324
ARC400MAX	1-10	80	85	0.93	F	IP21	12.5	458*219*353

Purchase Guide

Material	Thickness(mm)	Electrode Diameter(mm)	Current Range(A)	Applicable Model
carbon steel	2.0-10.0	2.5/3.2/4.0/5.0	30-300	ARC300MAX
alloy steel	2.0-12.0	2.5/3.2/4.0/5.0	30-400	ARC400MAX

Application files

Pipelines, engineering and construction sites, large-scale steel structure manufacturing, shipbuilding, automobile manufacturing and other heavy industries



Specification

Model	Input Voltage(V)	Frequency (Hz)	Rated Input Current(A)	No-Load Voltage(V)	Output Current(A)	Rated output voltage(V)	Duty cycle(%)	Hot Start (A)
ARC300I	380	50-60	22	60	30-300	32	60	1-100
ARC400I	380	50-60	27	60	30-400	36	60	1-100

Model	Arc Force (A)	No-load loss(W)	Efficiency (%)	Power factor	Insulation Grade	Housing Grade	Net weight (kg)	Dimension (mm)
ARC300I	1-10	30	85	0.93	F	IP21	8.7	400*175*320
ARC400I	1-10	30	85	0.93	F	IP21	12	458*219*353

Purchase Guide

Material	Thickness(mm)	Electrode Diameter(mm)	Current Range(A)	Applicable Model
carbon steel	2.0-10.0	2.5/3.2/4.0/5.0	30-300	ARC300I
alloy steel	2.0-12.0	2.5/3.2/4.0/5.0	30-400	ARC400I



ARC500I 3Phase/380V

- Dual IGBT modules, MCU, reactance, high duty
- LED display, multi pcb boards, full bridge tech
- Adjustable hot start, arc force and VRD function
- Automatically matching welding parameters
- Mainly for 5.0 electrode
- Suitable for welding with extended cables up to 100M



ARC630I 3Phase/380V

- Four IGBT modules, Dual workplaces, MCU, reactance, high duty
- LED display, multi pcb boards, full bridge tech
- Adjustable hot start, arc force and VRD function
- Automatically matching welding parameters
- Mainly for 5.0 electrode, Electroslag pressure welding
- Suitable for welding with extended cables up to 100M



MIG120 1Phase/220V

- IGBT, MCU, Synergetic, Small body, high energy
- LED display, multi pcb boards, Full bridge tech
- Automatically matching welding parameters
- Gasless MIG for 5KG*1.0mm FCAW flux wire
- MMA mainly for 3.2 electrode



MIG180 1Phase/220V

- IGBT, MCU, Synergetic, Small body, high energy
- LED display, multi pcb boards, Full bridge tech
- Automatically matching welding parameters
- Gasless MIG for 5KG*1.0mm FCAW wire
- Gas MIG for 5KG*0.8mm GMAW solid wire
- MMA mainly for 3.2 electrode

Application files

Pipelines, engineering and construction sites, large-scale steel structure manufacturing, shipbuilding, automobile manufacturing and other heavy industries



Specification

Model	Input Voltage(V)	Frequency (Hz)	Rated Input Current(A)	No-Load Voltage(V)	Output Current(A)	Rated output voltage(V)	Duty cycle(%)	Hot Start (A)
ARC500I	380	50-60	42	68	30-500	40	60	1-100
ARC630I	380	50-60	45	66	30-540	42	60	1-100

Model	Arc Force (A)	No-load loss(W)	Efficiency (%)	Power factor	Insulation Grade	Housing Grade	Net weight (kg)	Dimension (mm)
ARC500I	1-10	30	85	0.93	F	IP21	13.35	458*219*353
ARC630I	1-10	30	85	0.93	F	IP21	20.5	530*310*535

Purchase Guide

Material	Thickness(mm)	Electrode Diameter(mm)	Current Range(A)	Applicable Model
carbon steel	2.0-18.0	2.5/3.2/4.0/5.0	30-500	ARC500I
alloy steel	2.0-20.0	2.5/3.2/4.0/5.0	30-540	ARC630I

Application files

Advertising, building decoration and installation, hardware processing, outdoor metal work



Specification

Model	Input Voltage(V)	Frequency (Hz)	Rated Input Current(A)	No-Load Voltage(V)	Output Current(A)	Rated output voltage(V)	Duty cycle(%)
MIG120	220	50-60	20	55	30-120	20	30
MIG180	220	50-60	40	60	30-180	23	40

Model	No-load loss(W)	Efficiency (%)	Power factor	Insulation Grade	Housing Grade	Net weight (kg)	Dimension (mm)
MIG120	20	85	0.73	F	IP21	6.5	425*183*290
MIG180	20	85	0.73	F	IP21	8	425*183*290

Purchase Guide

Material	Welding Method	Wire Diameter(mm)	Current Range(A)	Applicable Model
carbon steel	MIG/MAG	1.0 flux core	30-120	MIG120
alloy steel	MIG/MAG	0.8 solid /1.0 flux core	30-180	MIG180



MIG200 1Phase/220V

- IGBT, MCU, Synergetic, Small body,high energy
- LED display, multi pcb boards,Full bridge tech
- Automatically matching welding parameters
- Gasless MIG for 5KG*1.0mm FCAW wire
- Gas MIG for 5KG*0.8mm GMAW solid wire
- MMA mainly for 3.2 electrode



MIG230 1Phase/220V

- IGBT, MCU, Synergetic, Small body,high energy
- LED display, multi pcb boards,Full bridge tech
- Automatically matching welding parameters
- Gasless MIG for 5/15KG*1.0mm FCAW wire
- Gas MIG for 5/15KG*0.8mm GMAW solid wire
- MMA mainly for 3.2 electrode



MIG270Y 3Phase/380V

- IGBT, MCU, Synergetic, high energy
- LED display, multi pcb boards,Full bridge tech
- Automatically matching welding parameters
- Adjustable 2/4T, spot welding and inductance
- Gasless MIG for 1.0mm FCAW wire
- Gas MIG for 0.8/1.0mm GMAW solid wire
- MMA mainly for 3.2 electrode



MIG500Y 3Phase/380V

- IGBT, MCU, Synergetic, high energy
- LED display, multi pcb boards,Full bridge tech
- Adjustable 2/4T, spot welding and inductance
- Automatically matching welding parameters
- Gasless MIG for 1.0mm FCAW wire
- Gas MIG for 5KG*0.8/1.0/1.2mm GMAW solid wire
- MMA mainly for 5.0 electrode

Application files

civil engineering, sheet metal fabrication, containers, machinery, agricultural machinery



Specification

Model	Input Voltage(V)	Frequency (Hz)	Rated Input Current(A)	No-Load Volatge(V)	Output Current(A)	Rated output voltage(V)	Duty cycle(%)
MIG200	220	50-60	37	60	30-200	30	40
MIG230	220	50-60	45	60	30-230	35	40

Model	No-load loss(W)	Efficiency (%)	Power factor	Insulation Grade	Housing Grade	Net weight (kg)	Dimension (mm)
MIG200	20	85	0.73	F	IP21	8.8	425*183*290
MIG230	20	85	0.73	F	IP21	19	546*234*417

Purchase Guide

Material	Welding Method	Wire Diameter(mm)	Current Range(A)	Applicable Model
carbon steel	MIG/MAG	0.8 solid /1.0 flux core	30-200	MIG200
alloy steel				MIG230
Stainless steel	MIG/MAG	0.8 solid /1.0 flux core	30-230	MIG230

Application files

civil engineering, sheet metal fabrication, containers, machinery, agricultural machinery



Specification

Model	Input Voltage(V)	Frequency (Hz)	Rated Input Current(A)	No-Load Volatge(V)	Output Current(A)	Rated output voltage(V)	Duty cycle(%)
MIG270Y	380	50-60	18	70	30-270	32	40
MIG500Y	380	50-60	33	70	50-450	36.5	60

Model	No-load loss(W)	Efficiency (%)	Power factor	Insulation Grade	Housing Grade	Net weight (kg)	Dimension (mm)
MIG270Y	20	85	0.73	F	IP21	17	546*234*417
MIG500Y	30	85	0.93	F	IP21	20.9	530*235*420

Purchase Guide

Material	Welding Method	Wire Diameter(mm)	Current Range(A)	Applicable Model
carbon steel	MIG/MAG	0.8/1.0 solid 1.0 flux	30-270	MIG270Y
alloy steel				MIG500Y
Stainless steel	MIG/MAG	0.8/1.0/1.2 solid 1.0 flux	50-450	MIG500Y



MIG270Q 150-510V

- IGBT, MCU, Synergetic, high energy
- LED display, multi pcb boards, Full bridge tech
- Automatically matching welding parameters
- Adjustable 2/4T, spot welding and inductance
- Gasless MIG for 1.0mm FCAW wire
- Gas MIG for 0.8/1.0mm GMAW solid wire
- MMA mainly for 4.0 electrode



MIG270 3Phase/380V

- IGBT, MCU, Synergetic, high energy
- LED display, multi pcb boards, Full bridge tech
- Adjustable 2/4T, spot welding and inductance
- Automatically matching welding parameters
- Gasless MIG for 1.0mm FCAW wire
- Gas MIG for 0.8/1.0 GMAW solid wire
- MMA mainly for 4.0 electrode



MIG350 3Phase/380V

- IGBT, MCU, Synergetic, high energy
- LED display, multi pcb boards, Full bridge tech
- Automatically matching welding parameters
- Adjustable 2/4T, spot welding and inductance
- Gasless MIG for 1.0mm FCAW wire
- Gas MIG for 1.0/1.2mm GMAW solid wire
- MMA mainly for 4.0 electrode
- Fit for plate thickness 5-15mm



MIG500 3Phase/380V

- IGBT, MCU, Synergetic, high energy
- LED display, multi pcb boards, Full bridge tech
- Adjustable 2/4T, spot welding and inductance
- Automatically matching welding parameters
- Gasless MIG for 1.0mm FCAW wire
- Gas MIG for 1.2/1.6 mm GMAW solid wire
- MMA mainly for 4.0 electrode
- Fit for plate thickness 5-20mm

Application files

Hardware processing, sheet metal fabrication, container, agricultural machinery and automobile repair



Specification

Model	Input Voltage(V)	Frequency (Hz)	Rated Input Current(A)	No-Load Voltage(V)	Output Current(A)	Rated output voltage(V)	Duty cycle(%)
MIG270Q	220/380	50-60	45/18	60	30-270	27.5	40
MIG270	380	50-60	18	60	30-270	27.5	60

Model	No-load loss(W)	Efficiency (%)	Power factor	Insulation Grade	Housing Grade	Net weight (kg)	Dimension (mm)
MIG270Q	20	85	0.73	F	IP21	7.9	400*159*300
MIG270	20	85	0.73	F	IP21	7.8	400*159*300

Purchase Guide

Material	Welding Method	Wire Diameter(mm)	Current Range(A)	Applicable Model
carbon steel	MIG/MAG	0.8/1.0 solid , 1.0 flux	30-270	MIG270Q
alloy steel				
Stainless steel	MIG/MAG	0.8/1.0 solid , 1.0 flux	30-270	MIG270

Application files

civil engineering, sheet metal fabrication, containers, machinery, agricultural machinery



Specification

Model	Input Voltage(V)	Frequency (Hz)	Rated Input Current(A)	No-Load Voltage(V)	Output Current(A)	Rated output voltage(V)	Duty cycle(%)
MIG350	380	50-60	23	70	50-350	32	60
MIG500	380	50-60	33	70	50-450	37	60

Model	No-load loss(W)	Efficiency (%)	Power factor	Insulation Grade	Housing Grade	Net weight (kg)	Dimension (mm)
MIG350	80	85	0.93	F	IP21	11.5	490*215*360
MIG500	80	85	0.93	F	IP21	11.8	490*215*360

Purchase Guide

Material	Welding Method	Wire Diameter(mm)	Current Range(A)	Applicable Model
carbon steel	MIG/MAG	0.8/1.0/1.2 solid , 1.0 flux	50-350	MIG350
alloy steel				
Stainless steel	MIG/MAG	0.8/1.0/1.2/1.0/1.2/1.6 solid , 1.0 flux	50-450	MIG500



MIG350CI 3Phase/380V

- Dual IGBT modules, MCU, Synergetic, high energy
- LED display, multi pcb boards, Full bridge tech
- Gasless MIG for 1.0mm FCAW wire
- Gas MIG for 1.0/1.2mm GMAW solid wire
- MMA mainly for 4.0 electrode
- Fit for plate thickness 5-15mm



MIG500CI 3Phase/380V

- Dual IGBT modules, MCU, Synergetic, high energy
- LED display, multi pcb boards, Full bridge tech
- Gasless MIG for 1.0mm FCAW wire
- Gas MIG for 1.2/1.6 mm GMAW solid wire
- MMA mainly for 4.0 electrode
- Fit for plate thickness 5-20mm



MIG500H 3Phase/380V

- IDual IGBT modules, MCU, Synergetic, high energy
- LED display, multi pcb boards, Full bridge tech
- Gasless MIG for 1.0mm FCAW wire
- Gas MIG for 1.2/1.6 mm GMAW solid wire
- MMA mainly for 6.0 electrode, gouging for 8/10
- Fit for plate thickness 5-30mm



MIG270K 1Phase/220V

- IGBT, MCU, Synergetic, high energy
- LED display, multi pcb boards, Full bridge tech
- Automatically matching welding parameters
- Adjustable 2/4T, spot welding and inductance
- Gasless MIG for 1.0mm FCAW wire
- Gas MIG for 0.8/1.0mm GMAW solid wire
- MMA mainly for 3.2 electrode

Application fileds

civil engineering, sheet metal fabrication, containers, machinery, agricultural machinery



Specification

Model	Input Voltage(V)	Frequency (Hz)	Rated Input Current(A)	No-Load Volatge(V)	Output Current(A)	Rated output voltage(V)	Duty cycle(%)
MIG350CI	380	50-60	23	80	50-350	32	60
MIG500CI	380	50-60	42	80	50-500	39	60

Model	No-load loss(W)	Efficiency (%)	Power factor	Insulation Grade	Housing Grade	Net weight (kg)	Dimension (mm)
MIG350CI	60	85	0.93	F	IP21	22.6	515*230*460
MIG500CI	60	85	0.93	F	IP21	22.6	515*230*460

Purchase Guide

Material	Welding Method	Wire Diameter(mm)	Current Range(A)	Applicable Model
carbon steel	MIG/MAG	1.0/1.2 solid , 1.0 flux	50-350	MIG350CI
alloy steel				MIG500CI
Stainless steel	MIG/MAG	1.0/1.2/1.6 solid , 1.0 flux	50-500	MIG500CI

Application fileds

Large-scale steel structure, industrial equipment manufacturing, large-scale engineering and other industrial fields



Specification

Model	Input Voltage(V)	Frequency (Hz)	Rated Input Current(A)	No-Load Volatge(V)	Output Current(A)	Rated output voltage(V)	Duty cycle(%)
MIG500H	380	50-60	42	80	50-500	19-39	100
MIG270K	220	50-60	55	65	30-270	16-30	100

Model	No-load loss(W)	Efficiency (%)	Power factor	Insulation Grade	Housing Grade	Net weight (kg)	Dimension (mm)
MIG500H	80	85	0.93	F	IP21	50	670*303*640
MIG270K	20	80	0.73	F	IP21	42	1000*470*1100

Purchase Guide

Material	Welding Method	Wire Diameter(mm)	Current Range(A)	Applicable Model
carbon steel	MIG/MAG	1.0/1.2/1.6 solid , 1.0 flux	50-500	MIG500H
alloy steel				MIG270K
Stainless steel	MIG/MAG	0.8/1.0 solid 1.0 flux	30-270	MIG270K



CUT40N 1Phase/220V

- IGBT, MCU, Synergetic, high energy
- Inner air compressor + outside air source
- LED display, multi pcb boards, Full bridge tech
- Adjustable 2/4T, post gas functions
- Quality cutting for 6mm plate



CUT60QN 150-510V

- IGBT, MCU, Synergetic, high energy
- Inner air compressor + outside air source + mma
- LED display, multi pcb boards, Full bridge tech
- Adjustable 2/4T, post gas functions
- Quality cutting for 12 mm plate



CUT100N 3Phase/380V

- IGBT, MCU, Synergetic, high energy
- Inner air compressor + outside air source + mma
- LED display, multi pcb boards, Full bridge tech
- Adjustable 2/4T, post gas functions
- Quality cutting for 25mm plate



CUT120N 3Phase/380V

- Dual IGBT modules, MCU, Synergetic, high energy
- Inner air compressor + outside air source + mma
- LED display, multi pcb boards, Full bridge tech
- Adjustable 2/4T, post gas functions
- Quality cutting for 30 mm plate

Application files

Lightweight non-ferrous metal cutting, suitable for outdoor mobile work



Specification

Model	Input Voltage(V)	Frequency (Hz)	Rated Input Current(A)	No-Load Voltage(V)	Output Current(A)	Rated output voltage(V)	Duty cycle(%)
CUT40N	220	50-60	30	285	20-40	96	40
CUT60QN	220/380	50-60	45/20	344	20-60	106	40

Model	No-load loss(W)	Efficiency (%)	Power factor	Insulation Grade	Housing Grade	Net weight (kg)	Dimension (mm)
CUT40N	40	85	0.73	F	IP21	14.1	306*265*270
CUT60QN	40	85	0.73	F	IP21	25.7	445*385*340

Purchase Guide

Material	ARC Starting Method	Cutting Ability(mm)	Quality Cutting(mm)	Current Range(A)	Applicable Model
carbon steel	Contact	1-10	1-6	20-40	CUT40N
alloy steel					
Stainless steel	Non Contact (Pilot)	1-18	1-12	20-60	CUT60QN

Application files

Medium-sized steel structure cutting, suitable for outdoor mobile work



Specification

Model	Input Voltage(V)	Frequency (Hz)	Rated Input Current(A)	No-Load Voltage(V)	Output Current(A)	Rated output voltage(V)	Duty cycle(%)
CUT100N	380	50-60	24	325	30-100	120	60
CUT120N	380	50-60	34	325	30-120	128	60

Model	No-load loss(W)	Efficiency (%)	Power factor	Insulation Grade	Housing Grade	Net weight (kg)	Dimension (mm)
CUT100N	30	85	0.93	F	IP21	32.2	500*425*410
CUT120N	40	85	0.93	F	IP21	34.3	530*310*535

Purchase Guide

Material	ARC Starting Method	Cutting Ability(mm)	Quality Cutting(mm)	Current Range(A)	Applicable Model
carbon steel	Contact	1-40	1-25	30-100	CUT100N
alloy steel					
Stainless steel	Non Contact (Pilot)	1-45	1-30	30-120	CUT120N



CUT60Q 150-510V

- IGBT, MCU, Synergetic, high energy
- LED display, multi pcb boards, Full bridge tech
- Adjustable 2/4T, post gas functions
- Quality cutting for 12 mm plate



CUT100 3Phase/380V

- IGBT, MCU, Synergetic, high energy
- LED display, multi pcb boards, Full bridge tech
- Adjustable 2/4T, post gas functions
- Quality cutting for 25mm plate



CUT100CI 3Phase/380V

- Dual IGBT modules, MCU, Synergetic, high energy
- LED display, multi pcb boards, Full bridge tech
- Adjustable 2/4T, post gas, CNC functions
- Quality cutting for 25 mm plate



CUT130CI 3Phase/380V

- Dual IGBT modules, MCU, Synergetic, high energy
- LED display, multi pcb boards, Full bridge tech
- Adjustable 2/4T, post gas, CNC functions
- Quality cutting for 30 mm plate

Application files

Medium-sized steel structure cutting, suitable for all non-ferrous metal industries



Specification

Model	Input Voltage(V)	Frequency (Hz)	Rated Input Current(A)	No-Load Voltage(V)	Output Current(A)	Rated output voltage(V)	Duty cycle(%)
CUT60Q	220/380	50-60	45/20	344	20-63	106	40
CUT100	380	50-60	24	325	30-100	120	60

Model	No-load loss(W)	Efficiency (%)	Power factor	Insulation Grade	Housing Grade	Net weight (kg)	Dimension (mm)
CUT60Q	30	85	0.93	F	IP21	9.2	400*175*320
CUT100	30	85	0.93	F	IP21	15.3	490*215*360

Purchase Guide

Material	ARC Starting Method	Cutting Ability(mm)	Quality Cutting(mm)	Current Range(A)	Applicable Model
carbon steel	Contact	1-18	1-12	20-63	CUT60Q
alloy steel					CUT100
Stainless steel	Non Contact (Pilot)	1-40	1-25	30-100	CUT100

Application files

Medium-sized steel structure cutting, suitable for all non-ferrous metal industries



Specification

Model	Input Voltage(V)	Frequency (Hz)	Rated Input Current(A)	No-Load Voltage(V)	Output Current(A)	Rated output voltage(V)	Duty cycle(%)
CUT100CI	380	50-60	24	330	30-100	120	60
CUT130CI	380	50-60	36	330	30-130	132	60

Model	No-load loss(W)	Efficiency (%)	Power factor	Insulation Grade	Housing Grade	Net weight (kg)	Dimension (mm)
CUT100CI	80	85	0.93	F	IP21	27.8	545*234*414
CUT130CI	80	85	0.93	F	IP21	32.4	550*230*460

Purchase Guide

Material	ARC Starting Method	Cutting Ability(mm)	Quality Cutting(mm)	Current Range(A)	Applicable Model
carbon steel	Non Contact (Pilot)	1-40	1-25	30-100	CUT100CI
alloy steel					CUT130CI
Stainless steel	Non Contact (Pilot)	1-45	1-30	30-130	CUT130CI



CUT130I 3Phase/380V

- Dual IGBT modules,, MCU, Synergetic, high energy
- LED screen, Multi pcb boards,Full bridge tech
- Adjustable 2/4T, post gas, CNC , MMA functions
- Quality cutting for 30 mm plate



CUT160CI 3Phase/380V

- Dual IGBT modules, MCU, Synergetic, high energy
- LED display, multi pcb boards,Full bridge tech
- Adjustable 2/4T, post gas, CNC functions
- Quality cutting for 40 mm plate



TIG200A 1Phase/220V

- IGBT, MCU, high energy
- Continuous and Spot TIG process
- Adjustable front/post gas, spot/pause time function
- LED display, multi pcb boards,Full bridge tech



TIG250A 1Phase/220V

- IGBT, MCU, high energy
- Continuous and Spot TIG process
- Adjustable front/post gas, spot/pause time function
- LED display, multi pcb boards,Full bridge tech

Application files

Large-sized steel structure cutting, suitable for all non-ferrous metal industries



Specification

Model	Input Voltage(V)	Frequency (Hz)	Rated Input Current(A)	No-Load Volatge(V)	Output Current(A)	Rated output voltage(V)	Duty cycle(%)
CUT130I	380	50-60	36	330	30-130	132	60
CUT160CI	380	50-60	44	330	30-160	144	60

Model	No-load loss(W)	Efficiency (%)	Power factor	Insulation Grade	Housing Grade	Net weight (kg)	Dimension (mm)
CUT130I	80	85	0.93	F	IP21	37	550*230*460
CUT160CI	80	85	0.93	F	IP21	58.3	670*303*640

Purchase Guide

Material	ARC Starting Method	Cutting Ability(mm)	Quality Cutting(mm)	Current Range(A)	Applicable Model
carbon steel	Non Contact (Pilot)	1-45	1-30	30-130	CUT130I
alloy steel					
Stainless steel	Non Contact (Pilot)	1-50	1-40	30-160	CUT160CI

Application files

Lightweight non-ferrous metal cutting, suitable for outdoor mobile work



Specification

Model	Input Voltage(V)	Frequency (Hz)	Rated Input Current(A)	No-Load Volatge(V)	Output Current(A)	Rated output voltage(V)	Duty cycle(%)
TIG200A	220	50-60	32	56	5-200	18	40
TIG250A	220	50-60	41	62	5-250	20	60

Model	No-load loss(W)	Efficiency (%)	Power factor	Insulation Grade	Housing Grade	Net weight (kg)	Dimension (mm)
TIG200A	40	80	0.7	F	IP21	6.25	378*159*298
TIG250A	40	80	0.7	F	IP21	6.25	378*159*298

Purchase Guide

Material	Welding Method	Plate Thickness(mm)	Current Range(A)	Applicable Model
carbon steel	TIG	0.3-5.0/2.0-5.0	5-200	TIG200A
alloy steel				
Stainless steel	TIG	0.3-8.0/2.0-8.0	5-250	TIG250A



TIG315A 3Phase/380V

- IGBT, MCU, high energy
- Continuous and Spot TIG process
- Adjustable front/post gas, spot/pause time function
- LED display, multi pcb boards, Full bridge tech



TIG400A 3Phase/380V

- IGBT, MCU, high energy
- Continuous and Spot TIG process
- Adjustable front/post gas, spot/pause time function
- LED display, multi pcb boards, Full bridge tech



TIG200PACDC 1Phase/220V

- Mos, MCU, high energy
- Multi-functions: AC/DC TIG, Pulse, MMA process
- Adjustable frequency, down slope, 2T/4T, and remote control
- Main for 0.8-6mm aluminum sheet



TIG315PACDC 3Phase/380V

- Mos, MCU, high energy
- Multi-functions: AC/DC TIG, Pulse, MMA process
- Adjustable frequency, down slope, 2T/4T, and remote control
- Main for 0.8-12mm aluminum, non-ferrous metal sheet

Application files

Lightweight non-ferrous metal cutting, suitable for outdoor mobile work



Specification

Model	Input Voltage(V)	Frequency (Hz)	Rated Input Current(A)	No-Load Volatge(V)	Output Current(A)	Rated output voltage(V)	Duty cycle(%)
TIG315A	380	50-60	18	55	5-300	22	40
TIG400A	380	50-60	21	55	5-400	26	60

Model	No-load loss(W)	Efficiency (%)	Power factor	Insulation Grade	Housing Grade	Net weight (kg)	Dimension (mm)
TIG315A	15	85	0.93	F	IP21	8.5	400*175*320
TIG400A	30	85	0.93	F	IP21	12.1	490*215*360

Purchase Guide

Material	Welding Method	Plate Thickness (mm)	Current Range(A)	Applicable Model
carbon steel	TIG	0.3-12.0/2.0-12.0	5-300	TIG315A
alloy steel	TIG	0.3-16.0/2.0-16.0	5-400	TIG400A

Application files

Lightweight non-ferrous metal cutting, suitable for outdoor mobile work



Specification

Model	Input Voltage(V)	Frequency (Hz)	Rated Input Current(A)	No-Load Volatge(V)	Output Current(A)	Rated output voltage(V)	Duty cycle(%)
TIG200PACDC	220	50-60	32	56	5-200	20	60
TIG315PACDC	380	50-60	15	54	5-315	26	60

Model	No-load loss(W)	Efficiency (%)	Power factor	Insulation Grade	Housing Grade	Net weight (kg)	Dimension (mm)
TIG200PACDC	40	80	0.73	F	IP21	23.4	498*328*302
TIG315PACDC	80	85	0.93	F	IP21	39	616*326*620

Purchase Guide

Material	Welding Method	Plate Thickness(mm)	Current Range(A)	Applicable Model
carbon steel	TIG	0.3-5.0/0.3-5.0/2.0-10.0	5-200	TIG200PACDC
alloy steel	TIG	0.3-8.0/0.3-8.0/2.0-12.0	5-315	TIG315PACDC



ARC200 Series 220V

- 30-120/160/180/200A
- IGBT, MCU, Compact and Portable
- Suitable for 1.2/2.0/3.2/4.0 electrodes



ARC300 380V

- 30-300A
- IGBT, MCU, High energy
- Suitable for 4.0 Electrode



MIG180CI 220V

- 30-180A
- IGBT, MCU, digital and synergic
- Gas & Gasless MIG and MMA
- 1.0mm flux core wire, 0.8mm solid wire and 3.2mm electrodes



MIG250 220V

- 30-250A
- IGBT, MCU, digital and synergic
- Gas & Gasless MIG and MMA
- 1.0mm flux core wire, 0.8mm solid wire and 3.2mm electrodes



ARC400 380V

- 30-400A
- Dual IGBT modules, MCU, High energy
- Suitable for 5.0 Electrode



ARC500 380V

- 30-500A
- Dual IGBT modules, MCU, High energy
- Suitable for 6.0 Electrode



TIG200A 220V

- 8-200A
- IGBT, MCU, Portable size
- TIG and MMA



TIG200SJ 220V

- 8-200A
- IGBT, MCU, Cold welding
- TIG and MMA



MIG200CI 220V

- 30-200A
- IGBT, MCU, digital and synergic
- Gas & Gasless MIG and MMA
- 1.0mm flux core wire, 0.8mm solid wire and 3.2mm electrodes



MIG230CI 220V

- 30-230A
- IGBT, MCU, digital and synergic
- Gas & Gasless MIG and MMA
- 1.0mm flux core wire, 0.8mm solid wire and 3.2mm electrodes



CUT40 220V

- 22-40A
- IGBT, MCU, Portable size
- Cutting for 0.5-12 mm plates



CUT60 220V

- 22-60A
- IGBT, MCU
- Cutting for 0.5-18 mm plates