HANKER ELECTRIC

HANKER ELECTRIC

PRODUCT MANUAL 2018

HANKERELECTRIC

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HANKER ELECTRIC

Hanker Electric is a professional manufacturer and exporter that is concerned with the design, development, production and sales of inverter welding machines. We are located in Shanghai, with convenient transportation access.

All of our products comply with international quality standards and are greatly appreciated in a variety of different markets throughout the world.

With our rich export experience, high quality products, competitive prices, superior service and on-time delivery, we are certain that we can meet all of your requirements and exceed your expectations. Our future is bright with new cooperative relationships with companies from all over the world. We look forward to speaking with you to further discuss how we can be of service to you.

Hanker electric always reserves the right to update the product catalog

CONTENTS

CHIP MOUNTER

SCREEN PRINTER

REFLOW OVEN

WAVE SOLDERING

ASSEMBLY LINE

CHIP MOUNTER

TEMPERATURE CHAMBER

MULTI-CHANNEL TEMPERATURE TESTER

DC INVERTER MMA WELDER

Bar-Stick 120/140/160/180/200/220

MMA Series

Arc ignition and stability dynamic control ensure that every electrode burns effortlessly to produce quality welds.

Compact, lightweight and capable. Our stick (MMA) welding equipment meets professional welding demands in every respect.

The PFC series machines also set new benchmarks in terms of technology. The resonant intelligence system guarantees an extremely stable arc, even with longer mains leads or in the event of fluctuations in the mains voltage.

Designed for trade and industry, the Stick devices are also able to withstand even the most difficult requirements in the industrial sector.

Thanks to continuous feedback of the arc to the performance parameters, there is an immediate response to any change.

Features

Extra function
Hot Start/Anti-sticking /Arc Force built in.

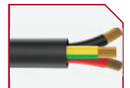
Protections
Equipped with temperature ,voltage and current sensors for high protection.

Weight
Reduced weight and size, easy-to-carry.


Generator Friendly


440V Tested In Production


Input Voltage 220V 50/60Hz


1 Phase 230V ±20% 50/60HZ

Insulation Class	H	Efficiency	≥80%
Protection Class	IP21	Frequency	50/60Hz
Power Factor	0.65	Cooling	AF

Model	Power Supply Voltage (V)	Effective Current (A)	Rated Input Power (KW)	Rated Input Current (A)	Duty Cycle (40°C 10min)	No Load Voltage (V)	Welding Current Range (A)	Net Weight (kg)	Dimensions (mm)	Electrode Diameter	Electrode Type
Bar-Stick 120	1 ~ 230	12	3.7	27	20%120A 60%80A 100%60A	53	10-120	2.8	250x 120 x 180	ϕ 1.6-4.0	6013,7018 etc
Bar-Stick 140	1 ~ 230	12	4.9	31	15%140A 60%70A 100%55A	55	10-140	2.8	250x 120 x 180	ϕ 1.6-4.0	6013,7018 etc
Bar-Stick 160	1 ~ 230	18	5.0	36	25%160A 60%105A 100%80A	70	10-160	2.8	250x 120 x 180	ϕ 1.6-4.0	6013,7018 etc
Bar Stick 180	1 ~ 230	17	5.6	39	20%180A 60%105A 100%80A	70	10-180	2.8	250x 120 x 180	ϕ 1.6-5.0	6013,7018 etc
Bar-Stick 200	1 ~ 230	23	6.5	46	25%200A 60%130A 100%80A	70	10-200	3.2	250x 120 x 180	ϕ 1.6-5.0	6013,7018 etc
Bar-Stick 220	1 ~ 230	23	7.3	52	20%220A 60%145A 100%100A	70	10-220	3.2	250x 120 x 180	ϕ 1.6-5.0	6013,7018 etc

Sim-Stick 130/200DV

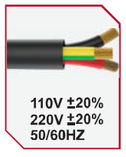
Features

Extra function
Hot Start/Anti-sticking /Arc Force built in.

Protections
Equipped with temperature ,voltage and current sensors for high protection.

Weight
Reduced weight and size, easy-to-carry.

TIG Mode
Capable of welding with Lift TIG mode.



Insulation Class	H	Efficiency	≥80%
Protection Class	IP21	Frequency	50/60Hz
Power Factor	0.65	Cooling	AF

Model	Power Supply Voltage (V)	Rated Input Power (KW)	Rated Input Current (A)	Duty Cycle (40℃ 10min)	No Load Voltage (V)	Welding Current Range (A)	Net Weight (kg)	Dimensions (mm)	Electrode Diameter	Electrode Type
		127V/220V	127V/220V	127V/220V	127V/220V					
Sim-Stick 130 DV	1~127 1~220	4.1	49.6/28.6	15%130A / 40%130A	77/66.7	10-130	4.3	270 x 120 x 180	ϕ1.6-4.0	6013,7018 etc
Sim-Stick 200 DV	1~127 1~220	4.1/7.2	49.6/46	15%130A / 30%200A	77/66.7	10-200	5.0	270 x 120 x 180	ϕ1.6-4.0	6013,7018 etc

Stick 160/180/200/220

Features

TIG Mode
Capable of welding with Lift TIG mode.

Extra function
Adjustable Hot Start/Anti-sticking /Arc Force automatic .

Protections
Equipped with temperature ,voltage and current sensors for high protection.

Digital display
Digital control of all the welding parameters.

Weight
Extremely low weight and versatility

Insulation Class	H
Protection Class	IP23
Power Factor	0.65
Efficiency	≥80%
Frequency	50/60Hz
Cooling	AF

Model	Power Supply Voltage (V)	Effective Current (A)	Rated Input Power (KW)	Rated Input Current (A)	Duty Cycle (40℃ 10min)	No Load Voltage (V)	Welding Current Range (A)	Net Weight (kg)	Dimensions (mm)	Electrode Diameter	Electrode Type
		MMA/LIFT	MMA/LIFT	MMA/LIFT							
Stick 160	1~230	23/17	5.0/3.5	37/27	25%160A 60%105A 100%80A	70	10-160	4.5	290 x 135 x 220	ϕ1.6-4.0	6013,7018 etc
Stick 180	1~230	21/16	5.8/4.0	41/31	20%180A 60%105A 100%80A	70	10-180	4.5	290 x 135 x 220	ϕ1.6-5.0	6013,7018 etc
Stick 200	1~230	25/17	6.8/4.3	46/31	25%200A 60%130A 100%80A	70	10-200	4.5	290 x 135 x 220	ϕ1.6-5.0	6013,7018 etc
Stick 220	1~230	26/19	7.2/5.2	51/37	20%220A 60%145A 100%100A	70	10-220	4.5	290 x 135 x 220	ϕ1.6-5.0	6013,7018 etc

Plus-Stick 160/200

Features

TIG Mode
Possibility of welding with Lift TIG mode.

Extra function
Adjustable Hot Start/Anti-sticking /Arc Force automatic .

Protections
Equipped with temperature ,voltage and current sensors for high protection.

Digital display
Digital control of all the welding parameters.

Weight
Reduced weight and size ,easy to carry.

- Insulation Class H
- Protection Class IP23
- Power Factor 0.7
- Efficiency ≥85%
- Frequency 50/60Hz
- Cooling AF


Generator Friendly

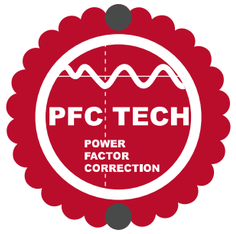

Input Voltage 220V 50/60Hz


440V Tested In Production


Heavy Duty Cycle 60%

Model	Power Supply Voltage (V)	Effective Current (A)	Rated Input Power (kW)	Rated Input Current (A)	Duty Cycle (40℃ 10min)	No Load Voltage (V)	Welding Current Range (A)	Net Weight (kg)	Dimensions (mm)	Electrode Diameter	Electrode Type
		MMA/LIFT	MMA/LIFT	MMA/LIFT							
Plus-Stick 160	1~230	28/19	5.0/3.3	36/25	60%160A 100%125A	62	10~160	5.0	340x146x278	ϕ1.6-4.0	6013,7018 etc.
Plus-Stick 200	1~230	36/25	6.8/4.5	47/32	60%200A 100%155A	61	10~200	6.2	370x146x278	ϕ1.6-5.0	6013,7018 etc.

Stick 160/200 PFC



PFC Technology

Power factor more than 0.99.Multiple advantages such as energy saving and wider input voltage,works with 110V and 220V.

Features

TIG Mode
Possibility of welding with Lift TIG mode.

Extra function
Adjustable Hot Start/Anti-sticking /Arc Force automatic .

Weight
Reduced weight and size ,easy to carry.

Protections
Equipped with temperature ,voltage and current sensors for high protection.

- Insulation Class H
- Protection Class IP23
- Power Factor 0.99
- Efficiency ≥80%
- Frequency 50/60Hz
- Cooling AF


Generator Friendly


440V Tested In Production


V.R.D


Input Voltage 90~ 275V 50/60Hz

Model	Stick 160 PFC				Stick 200 PFC			
Power Supply Voltage (V)	90VAC~275VAC				90VAC~275VAC			
	1~110/120/130±10%		1~220/230/240±10%		1~110/120/130±10%		1~220/230/240±10%	
Rated Input Power (kW)	1.6	2.6	3.5	5.1	2.2	3.4	4.7	6.8
Rated Input Current (A)	16	25	16	23	21	31	21	31
Duty Cycle 40℃ 10min	TIG 40%90A 60% 75A 100%60A	MMA 40%90A 60% 75A 100%60A	TIG 40%160A 60% 135A 100%105A	MMA 40%160A 60% 135A 100%105A	TIG 40%110A 60%90A 100%70A	MMA 40%110A 60%90A 100%70A	TIG 40%200A 60% 165A 100%130A	MMA 40%200A 60% 165A 100%135A
Effective Current (A)	10	15	10	14.5	13	20	13	20
Welding Current Range (A)	10~90		10~160		10~110		10~200	
No Load Voltage (V)	14.5(Limited)				14.5(Limited)			
Net Weight (kg)	6.1				6.1			
Dimensions (mm)	390x146x278				410x146x278			
Electrode Diameter	ϕ1.6-4.0				ϕ1.6-5.0			
Electrode Type	6013,7018 etc.				6013,7018 etc.			

Plus-Stick 250-3

Features

TIG Mode
Possibility of welding with Lift TIG mode

Extra function
Adjustable Hot Start/Anti-sticking /Arc Force automatic .

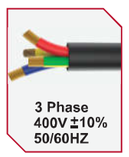
Digital display
Digital control of all the welding parameters

Protections
Equipped with temperature ,voltage and current sensors for high protection

- Insulation Class H
- Protection Class IP21
- Power Factor 0.65
- Efficiency ≥80%
- Frequency 50/60Hz
- Cooling AF


Generator Friendly


MCU Control System


3 Phase 400V ±10% 50/60HZ


550V Tested In Production


Phase Lose Protection


Heavy Duty Cycle 60%


V.R.D

Model	Power Supply Voltage (V)	Effective Current (A)	Rated Input Power (KW)	Rated Input Current (A)	Duty Cycle (40℃ 10min)	No Load Voltage (V)	Welding Current Range (A)	Net Weight (kg)	Dimensions (mm)	Electrode Diameter	Electrode Type
		MMA/LIFT	MMA/LIFT	MMA/LIFT							
Plus-Stick 250-3	3-400	16/12	8.5/6.3	20/16	60%250A 100%200A	64	10-250	10	290 x 135 x 220	ϕ1.6-4.0	6013,7018 etc

Pro-Stick 320/400/500/630

Features

TIG Mode
Possibility of welding with Lift TIG mode.

Extra function
Adjustable Hot Start/Anti-sticking /Arc Force automatic .

Digital display
Digital control of all the welding parameters.

Protections
Equipped with temperature ,voltage and current sensors for high protection.

- Insulation Class H
- Protection Class IP21
- Power Factor 0.65
- Efficiency ≥80%
- Frequency 50/60Hz
- Cooling AF

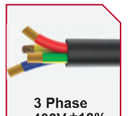

Generator Friendly


550V Tested In Production


MCU Control System


Phase Lose Protection

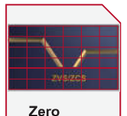

IGBT Module


3 Phase 400V ±10% 50/60HZ


Heavy Duty Cycle 60%


V.R.D

Cellulosic Electrode



Zero V/C Switch

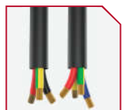
Model	Power Supply Voltage (V)	Effective Current (A)	Rated Input Power (KW)	Rated Input Current (A)	Duty Cycle (40℃ 10min)	No Load Voltage (V)	Welding Current Range (A)	Net Weight (kg)	Dimensions (mm)	Electrode Diameter	Electrode Type
		MMA/TIG	MMA/TIG	MMA/TIG		MMA/TIG					
Pro-Stick 320	3~400	18/15	11.5/8.5	23/19	60%320A 100%250A	60/22.5	10-320	17.6	485 x 240 x 445	ϕ1.6-6.0	6013,7018 etc
Pro-Stick 400	3~400	27/21	17/12.5	35/27	60%400A 100%325A	80/22.5	20-400	19	485 x 240 x 445	ϕ1.6-6.0	6010,6011 6013,7018 etc
Pro-Stick 500	3~400	35/28	23/17.4	45/36	60%500A 100%400A	80/22.5	20-500	30.3	550 x 240 x 445	ϕ1.6-6.0	6010,6011 6013,7018 etc
Pro-Stick 630	3~400	49/38	32/25.5	62/50	60%630A 100%490A	90/22.5	20-630	33.5	550 x 240 x 445	ϕ1.6-6.0	6010,6011 6013,7018 etc

Stick 320 MV

PFC Technology

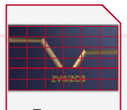
Power factor more than 0.93.Multiple advantages such as energy saving and wider input voltage,works with 110V and 460V.


Generator Friendly


Work with 1 Ph & 3 Ph


V.R.D


Cellulosic Electrode


Zero V/C Switch


MCU Control System


Wide Input Voltage Range 110V~460V

Features

Extra function
Hot Start/Anti-sticking /Arc Force built in.

Protections
Equipped with temperature ,voltage and current sensors for high protection.

- Cooling AF
- Efficiency ≥85%
- Insulation Class H
- Protection Class IP23
- Frequency 50/60Hz
- Electrode Diameter ϕ1.6-6.0

Model	Stick 320 MV													
Power Supply Voltage (V)	110VAC~460VAC													
	1~110		1~230		1~400		1~460		3~230		3~400		3~460	
Rated Input Power (kW)	TIG	MMA	TIG	MMA	TIG	MMA	TIG	MMA	TIG	MMA	TIG	MMA	TIG	MMA
	3.1	3.3	6.3	6.8	8.6	12.0	8.3	11.5	8.7	9.2	8.7	11.9	8.7	11.9
Rated Input Current (A)	27	32	28	30	23	32	20	27	23	25	13	19	12	26
Effective Current (A)	21	18	20	20	14	19	12	16	14	15	8	12	8	10
Duty Cycle 40℃ 10min	60% 150A	30% 120A	50% 250A	45% 200A	35% 320A				35% 250A		40% 320A			
		60% 85A	60% 230A	60% 175A	60% 245A				60% 195A		60% 260			
	100% 120A	100% 70A	100% 180A	100% 135A	100% 190A				100% 150A		100% 200A			
Welding Current Range (A)	10 150	10 120	10 250	10 200	10 320				10 250		10 320			
Power Factor	0.99								0.95					
Net Weight (kg)	15													
Dimensions (mm)	492x189x2350													
No Load Voltage (V)	80(MMA) 12.5(TIG)													

Gas Tongsten Arc Welding

TIG Series

Precise ignition and smooth, stable current flow are the baseline for every model in our TIG welding equipment range.

Ease of use, robustness, power and mobility are the properties that the devices in the GTAW series feature.

AC/DC Series are available for welding aluminium in all performance levels.

Pro-GTAW series are particularly impressive with their wide range of uses, an optimum accessories interface and high-quality components that enable perfect welding results.

GTAW 160/200

Features

Down Slope
Up/Down slope time is selectable.

Post Flow
Pre/Post flow time is selectable.

2T/4T Mode
Possibility of welding with 2T/4T mode.

Weight
Reduced weight and size ,easy to carry.

Protections
Equipped with temperature ,voltage and current sensors for high protection.

Spot Time
Unique spot time/pulse time function selectable.


Generator Friendly


440V Tested In Production


HF Easy Arc Striking


Input Voltage 220V 50/60Hz

Down Slope Time	0~10
Insulation Class	H
Protection Class	IP23
Frequency	50/60Hz
Cooling	AF

Model	Power Supply Voltage (V)	Effective Current (A)	Rated Input Power (kW)	Rated Input Current (A)	Duty Cycle (40℃ 10min)	No Load Voltage (V)	Welding Current Range (A)	Net Weight (kg)	Dimensions (mm)	Electrode Diameter	Electrode Type
		TIG/MMA	TIG/MMA	TIG/MMA							
GTAW 160	1~230	18/25	3.4/4.9	25/35	50%160A 60%150A 100%115A	85	5~160	7.0	340x146x278	ϕ1.6-4.0	6013,7018 etc.
GTAW 200	1~230	20/26	4.9/6.2	34/44	35%200A 60%125A 100%100A	85	5~200	7.0	370x146x278	ϕ1.6-5.0	6013,7018 etc.

GTAW 160P/200P

Features

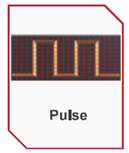
Protections
Equipped with temperature voltage and current sensors for high protection.

Pluse
Perfect performance on ultra thin surfaces with no deformation.

Spot Time
Unique spot time/pulse time function selectable.

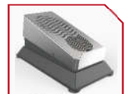

Potentiometer Remote Control Torch


Up/Down Remote Control Torch


Pulse


Input Voltage 220V 50/60Hz


HF Easy Arc Striking


Wireless Remote Foot Control


Generator Friendly


440V Tested In Production


MCU Control System

Up/Down Slope	0~10
Pre/Post Flow	0~2/0~10
Pulse Fre.	0.5~200
Pulse Width Range	5~95
Power Factor	0.75

Insulation Class	H
Protection Class	IP23
Efficiency	≥85%
Frequency	50/60Hz
Cooling	AF

Model	Power Supply Voltage (V)	Effective Current (A)	Rated Input Power (kW)	Rated Input Current (A)	Duty Cycle (40℃ 10min)	No Load Voltage (V)	Welding Current Range (A)	Net Weight (kg)	Dimensions (mm)
		TIG MMA	TIG MMA	TIG MMA					
GTAW 160P	1~230	18 25	3.4 4.9	25 35	50%160A 60%150A 100%115A	85	5~160	7.0	410x146x278
GTAW 200P	1~230	20 26	4.9 6.2	34 44	35%200A 60%125A 100%100A	85	5~200	7.0	410x146x278

GTAW 200P PFC

PFC Technology

Power factor more than 0.99.Multiple advantages such as energy saving and wider input voltage,works with 110V and 220V.

- Generator Friendly
- Wireless Remote Foot Control
- Pulse
- MCU Control System
- Up/Down Remote Control Torch
- 440V Tested In Production
- HF Easy Arc Striking
- Potentiometer Remote Control Torch
- MCU Control System

Features

Spot Time
Unique spot time/pulse time function selectable.

Pre/Post Flow
Pre/Post flow time are selectable.

Pluse
Perfect performance on ultra thin surfaces with no deformation.

Protections
Equipped with temperature ,voltage and current sensors for high protection.

Model	GTAW 200P PFC			
Power Supply Voltage (V)	90V~275V			
	1~110		1~230	
	TIG	MMA	TIG	MMA
Rated Input Power (kW)	2.7	4.1	6.3	4.6
Rated Input Current (A)	25	39	32	21
Effective Current (A)	24	30	18	15
Duty Cycle 40℃ 10min	90% 130A 100% 125A	60% 130A 100% 105A	50% 200A 60% 180A 100% 140A	30% 200A 60% 145A 100% 135A
Welding Current Range (A)	50~130		50~200	
Electrode Diameter	1.6~5.0			
Net Weight (kg)	9			
Dimensions (mm)	465x146x278			
No Load Voltage (V)	66			

Insulation Class	H
Protection Class	IP23
Efficiency	≥85%
Frequency	50/60Hz
Cooling	AF
Up/Down Slope	0~10
Pre/Post Flow	0~2/0~10
Pulse Fre.	0.5~200
Pulse Width Range	5~95
Power Factor	0.99

Pro-GTAW 250-3P/320P/400P/500P

Heavy Industrial Use!

- Generator Friendly
- MCU Control System
- Pro-GTAW 500P
- IGBT Module
- 440V Tested In Production
- Phase Lose Protection
- 3 Phase 400V ±10% 50/60HZ
- Pulse
- Heavy Duty Cycle 60%
- Wireless Remote Foot Control
- Input Voltage 220V 50/60Hz
- Up/Down Remote Control Torch
- Potentiometer Remote Control Torch
- HF Easy Arc Striking

Features

TIG Mode
Possibility of welding with Lift TIG mode.

Extra function
Hot Start/Anti-sticking /Arc Force built in.

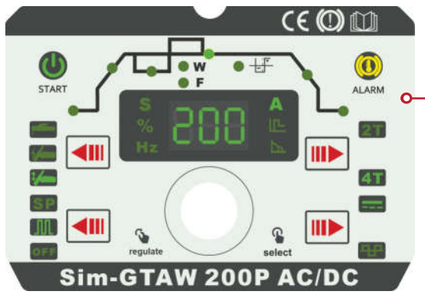
Weight
Reduced weight and size ,easy to carry.

Protections
Equipped with temperature ,voltage and current sensors for high protection.

Up/Down Slope	0~10
Pre/Post Flow	0~2/0~10
Pulse Fre.	0.5~250
Pulse Width Range	5%~95%
Frequency (Hz)	50/60
Insulation Class	H
Protection Class	IP23
Efficiency	≥85%
Power Factor	0.75
Cooling	AF

Model	Power Supply Voltage (V)	Rated Input Power (kW)		Rated Input Current (A)		Effective Current (A)		Duty Cycle (40℃ 10min)	Welding Current Range (A)	No Load Voltage (V)	Net Weight (kg)	Dimensions (mm)
		TIG	MMA	TIG	MMA	TIG	MMA					
Pro-GTAW 250-3 P	3~400	6.0	8.6	15	21	12	16	60% 250A 100%195A	5~250	70	10.5	457x189x350
Pro-GTAW 320P	3~400	9.5	11.5	19	23	15	18	60% 320A 100%250A	5~320	70	20	530x240x445
Pro-GTAW 400P	3~400	12	16	25.5	31.5	20	24	60% 400A 100%310A	5~400	75	23.5	530x240x445
Pro-GTAW 500P	3~400	22.3	17.5	35	43	27	34	60% 500A 100%390A	5~500	73	30.5	570x240x445

Sim-GTAW 200P AC/DC



Features

AC Balance Control
AC balance control monitors the oxide and helps better cleaning during aluminum welding.

Protections
Equipped with temperature ,voltage and current sensors for high protection.


Up/Down Remote Control Torch


Generator Friendly


HF Easy Arc Striking


Potentiometer Remote Control Torch


Wireless Remote Foot Control

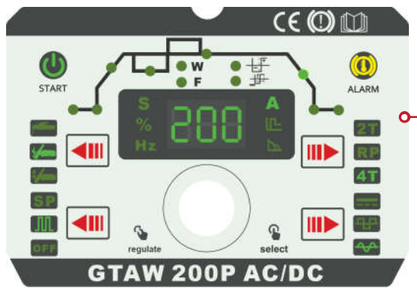

440V Tested In Production


MCU Control System

Model	Sim-GTAW 200P AC/DC		
Power Supply Voltage (V)	1V~230V		
	AC/TIG	DC/TIG	MMA
Rated Input Power (kW)	4.5	3.9	5.7
Rated Input Current (A)	33	18	40
Effective Current (A)	20	28	25
Duty Cycle 40℃ 10min	35% 200A 60% 155A 100% 120A	40% 170A 60% 140A 100% 110A	
Welding Current Range (A)	10~200	10~170	
AC Balance (%)	15~50		
Net Weight (kg)	7		
Dimensions (mm)	410x146x278		
No Load Voltage (V)	53		

Up/Down Slope	0~10
Pre/Post Flow	0~2/0~10
Pulse Fre.	0.5~200
Pulse Width Range	5~95
AC Frequency	60Hz
Insulation Class	H
Protection Class	IP23
Efficiency	≥85%
Frequency	50/60Hz
Cooling	AF

GTAW 200P AC/DC



Features

AC Balance Control
AC balance control monitors the oxide and helps better cleaning during aluminum welding.

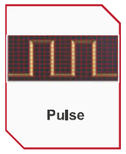
Protections
Equipped with temperature ,voltage and current sensors for high protection.

Waveforms
Squqre wave,sine wave,triangular wave and trapezoidal wave are included;


Generator Friendly


440V Tested In Production


MCU Control System


Pulse


Wireless Remote Foot Control


HF Easy Arc Striking


Up/Down Remote Control Torch

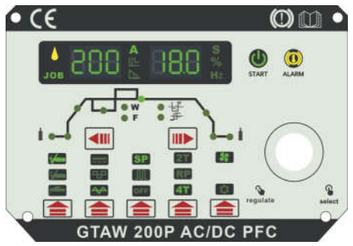

Potentiometer Remote Control Torch

Accessories
Remote foot control;
Up/Down remote torch;
Remote control torch;

Up/Down Slope	0~10	Insulation Class	H
Pre/Post Flow	0.1~10/1~10	Protection Class	IP23
Pulse Fre.	50~250	Efficiency	≥85%
Pulse Width Range	5%~95%	Frequency	50/60Hz
AC Frequency (Hz)	0.75	Cooling	AF

Model	Power Supply Voltage (V)	Rated Input Power (kW)		Rated Input Current (A)	Effective Current (A)	Duty Cycle (40℃ 10min)	Welding Current Range (A)	No Load Voltage (V)	Net Weight (kg)	Clearance effect (AC Tig)	Dimensions (mm)
		TIG	MMA								
GTAW 200P AC/DC	1~230	4.3	6.2	48 DC/MMA 44 AC/MMA 35 DC/TIG 34 AC/TIG	29 DC/MMA 26 AC/MMA 21 DC/TIG 20 AC/TIG	35% 200A 60% 155A 100%120A	5~200	72	10	15~50	465x146x278

GTAW 200P AC/DC PFC



PFC Technology

Power factor more than 0.99.Multiple advantages such as energy saving and wider input voltage,works with 110V and 220V.

Features

AC balance control

AC balance control monitors the oxide and helps better cleaning during aluminum welding.

Protections

Equipped with temperature ,voltage and current sensors for high protection.

Waveforms

Squqre wave,sine wave,triangular wave and trapezoidal wave are included;

Smart knob operation

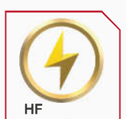
Easy and intuitive parameter selection with Smart Knob.


Generator Friendly


Wireless Remote Foot Control


MCU Control System


Input Voltage 220V 50/60Hz


HF Easy Arc Striking


440V Tested In Production


Up/Down Remote Control Torch


Potentiometer Remote Control Torch

Accessories

Remote foot control;
Up/Down remote torch;
Remote control torch;

Model	GTAW 200P AC/DC PFC			
Power Supply Voltage (V)	90V~275V (AC)			
	1~110		1~230	
	TIG	MMA	TIG	MMA
Rated Input Power (kW)	3.6	4.2	4.7	6.6
Rated Input Current (A)	30	35	21	31
Effective Current (A)	23	19	16	18
Duty Cycle 40℃ 10min	60% 160A 100% 125A	30% 130A 60% 110A 100% 80A	60% 200A 100% 110A	35% 200A 60% 140A 100% 110A
Welding Current Range (A)	50~130	50~160	50~200	
Clearance effect (AC Tig)	15~50			
Net Weight (kg)	15			
Dimensions (mm)	492x189x350			
No Load Voltage (V)	67			

Up/Down Slope	0~10
Pre/Post Flow	0~2/0~10
Pulse Fre.	0.5~200
Pulse Width Range	5~95
AC Frequency (Hz)	50~250
Insulation Class	H
Protection Class	IP23
Efficiency	≥85%
Frequency	50/60Hz
Cooling	AF

Pro-GTAW 320P/400P/500P AC/DC

Features

Heavy Industrial Use!

AC Balance Control

AC balance control monitors the oxide and helps better cleaning during aluminum welding.

Protections

Equipped with temperature ,voltage and current sensors for high protection.

Waveforms

Square wave,sine wave,triangular wave and trapezoidal wave are included;

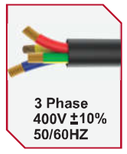
Insulation Class	H	Up/Down Slope	0~10
Protection Class	IP23	Pre/Post Flow	0~2/0~10
Efficiency	≥85%	Pulse Fre.	0.5~250
Power Factor	0.75	Pulse Width Range	5%~95%
Cooling	AF	AC Frequency (Hz)	5~250


Generator Friendly


Phase Lose Protection

550V Tested In Production

MCU Control System


3 Phase 400V ±10% 50/60HZ


Input Voltage 220V 50/60Hz


IGBT Module


Heavy Duty Cycle 60%


Wireless Remote Foot Control


HF Easy Arc Striking


Up/Down Remote Control Torch


Potentiometer Remote Control Torch


Pulse

Model	Power Supply Voltage (V)	Rated Input Power (kW)		Rated Input Current (A)		Effective Current (A)		Duty Cycle (40℃ 10min)	Welding Current Range (A)	No Load Voltage (V)	Net Weight (kg)	Dimensions (mm)
		TIG	MMA	TIG	MMA	TIG	MMA					
Pro-GTAW 320P AC/DC	3~380	9	13	18	24	14	18.5	60% 320A 100%250A	10~320	67	25.5	550x240x445
Pro-GTAW 400P AC/DC	3~380	13	17	25	32	19	25	60% 400A 100%310A	10~400	67	27	550x240x445
Pro-GTAW 500P AC/DC	3~380	18.8	25	48 DC/MMA 34 AC/MMA 41 DC/TIG 37 AC/TIG		37 DC/MMA 34 AC/MMA 32 DC/TIG 29 AC/TIG		60% 500A 100%390A	10~500	50	30	550x280x485

DC INVERTER MIG WELDER

MIG Series

Hanker MIG/MAG equipment keeps the technology on the inside, and simple, intuitive control and performance on the outside.

SAW series, an essential single phase inverter, generator compatible,compact, easy to move, with precise weld quality and with very good arc ignition.

Multi-SAW series are multiprocess-capable, bringing together MMA, MIG/MAG and TIG in a single device. They are characterised by the intelligent design of the device, ease of use, robustness and a high level of reliability.

GMAW 160/200

Features

Digital display
Digital control of all the welding parameters.

Arc Stability
Waveform control,for added stability of the arc,even at the low current.

Spool
Capable of loading up to 5Kg Spool.

Protections
Equipped with temperature ,voltage and current sensors for high protection.

Frequency	50/60Hz	Insulation Class	H
Power Factor	0.65	Protection Class	IP23
Net Weight (kg)	12	Efficiency	≥85%
Dimensions (mm)	410x146x278	Cooling	AF

Model	Power Supply Voltage (V)	Effective Current (A)	Rated Input Power (kW)	Rated Input Current (A)	Duty Cycle (40°C 10min)	No Load Voltage (V)	Welding Current Range (A)	Welding Voltage Range (V)	Wire Diameter (mm)
GMAW 160	1~230	20	4.6	32	40%160A 60%135A 100%105A	68	40~160	12~22	0.6/0.8/0.9 Fe/Ss Flux-Cored
GMAW 200	1~230	22	5.6	40	30%200 60%145A 100%110A	68	40~200	12~24	0.6/0.8/0.9/1.0 Fe/Ss Flux-Cored

Multi-GMAW 200 PFC

PFC Technology

Power factor more than 0.99. Multiple advantages such as energy saving and wider input voltage,works with 110V and 220V.

Generator Friendly

440V Tested In Production

V.R.D

Input Voltage 90V~ 275V 50/60Hz

Spool Gun

MCU Control System

SYNERGIC

- Efficiency ≥85%
- Frequency 50/60Hz
- Power Factor 0.65
- Insulation Class H
- Protection Class IP23
- Cooling AF

Features

Protections

Equipped with temperature ,voltage and current sensors for high protection.

Arc Stability

Waveform control,for added stability of the arc,even at the low current.

Model	Multi-GMAW 200 PFC					
Power Supply Voltage (V)	90VAC~275VAC					
	1~ 110/120/130±10%			1~ 220/230/240±10%		
	MIG	MMA	TIG	MIG	MMA	TIG
Rated Input Power (kW)	4	3.5	3.2	6.2	6.2	4.2
Rated Input Current (A)	33	28	26	29	29	19
Effective Current (A)	20	15	17	14	15	11
Duty Cycle 40℃ 10min	35%140A 60% 110A 100%85A	30%110A 60% 80A 100%65A	40%150A 60% 125A 100%95A	30%200A 60% 145A 100%110A	25%200A 60% 130A 100%100A	35%200A 60% 155A 100%120A
Welding Current Range (A)	40~200					
Welding Voltage Range (V)	14~24					
No Load Voltage (V)	64(MIG)		14.5(MMA/TIG)			
Net Weight (kg)	20					
Dimensions (mm)	511x213x400					
Wire Diameter (mm)	Fe:0.6/0.9/1.0 Ss:0.8/0.9/1.0 Flux-Cored:0.6/0.8/0.9/1.0					

Multi-GMAW 250 PFC

PFC Technology

Power factor more than 0.99. Multiple advantages such as energy saving and wider input voltage,works with 110V and 220V.

Features

Arc Stability

Waveform control,for added stability of the arc,even at the low current.

Protections

Equipped with temperature ,voltage and current sensors for high protection.

Generator Friendly

440V Tested In Production

V.R.D

Input Voltage 90V~ 275V 50/60Hz

Spool Gun

MCU Control System

SYNERGIC

- Efficiency ≥85%
- Frequency 50/60Hz
- Power Factor 0.65
- Insulation Class H
- Protection Class IP23
- Cooling AF

Model	Multi-GMAW 250 PFC					
Power Supply Voltage (V)	90VAC~275VAC					
	1~ 110/120/130±10%			1~ 220/230/240±10%		
	MIG	MMA	TIG	MIG	MMA	TIG
Rated Input Power (kW)	4.6	4.2	3.0	8.3	9.2	6.4
Rated Input Current (A)	37	35	27	36	38	28
Effective Current (A)	20	21	16	21	21	16
Duty Cycle 40℃ 10min	30%160A 60% 115A 100%90A	35%130A 60% 100A 100%80A	35%140A 60% 110A 100%85A	35%250A 60% 195A 100%150A	30%250A 60% 180A 100%140A	35%250A 60% 195A 100%150A
Welding Current Range (A)	40~250					
Welding Voltage Range (V)	14~26.5					
No Load Voltage (V)	68(MIG)		48(MMA/TIG)			
Net Weight (kg)	23					
Dimensions (mm)	618x240x445					
Wire Diameter (mm)	Fe:0.6/0.9/1.0/1.2 Ss:0.8/0.9/1.0/1.2 Flux-Cored:0.6/0.8/0.9/1.01.2					

Multi-GMAW 200 LCD PFC

PFC Technology

Power factor more than 0.99. Multiple advantages such as energy saving and wider input voltage,works with 110V and 220V.

Features

Arc Stability

Waveform control,for added stability of the arc,even at the low current.

Spool Gun

Capable of loading up to 5Kg Spool.

Protections

Equipped with temperature voltage and current sensors for high protection.


Generator Friendly


440V Tested In Production


Spool Gun


SYNERGIC


MCU Control System


V.R.D


Input Voltage 220V 50/60Hz

- Efficiency ≥85%
- Frequency 50/60Hz
- Power Factor 0.99
- Insulation Class H
- Protection Class IP23
- Cooling AF

Model	Multi-GMAW 200 LCD PFC					
Power Supply Voltage (V)	90VAC~275VAC					
	1~110/120/130±10%			1~220/230/240±10%		
	MIG	MMA	TIG	MIG	MMA	TIG
Rated Input Power (kW)	4.0	3.1	3.1	6.2	7.2	4.9
Rated Input Current (A)	35	27	27	27	32	22
Effective Current (A)	22	17	17	17	20	14
Duty Cycle 40℃ 10min	40%140A 60% 115A 100%90A	40%100A 60% 85A 100%65A	40%140A 60% 115A 100%90A	40%200A 60% 165A 100%130A	40%200A 60% 165A 100%130A	40%200A 60% 165A 100%130A
Welding Current Range (A)	25~200					
Welding Voltage Range (V)	10~27					
No Load Voltage (V)	14.5(Limitid)					
Net Weight (kg)	15.5					
Dimensions (mm)	510x210x380					
Wire Diameter (mm)	Fe:0.6/0.9/1.0 Ss:0.8/0.9/1.0 Flux-Cored:0.6/0.8/0.9/1.0					

Multi-GMAW 250 LCD PFC

PFC Technology

Power factor more than 0.99. Multiple advantages such as energy saving and wider input voltage,works with 110V and 220V.

Features

Spool Gun

Capable of loading up to 5Kg Spool.

Arc Stability

Waveform control,for added stability of the arc,even at the low current.

Protections

Equipped with temperature voltage and current sensors for high protection.


Generator Friendly


440V Tested In Production


MCU Control System


ϕ 300mm (20 KG)


Input Voltage 90V~275V 50/60Hz


Spool Gun


V.R.D

- Insulation Class H
- Protection Class IP23
- Efficiency ≥85%
- Cooling AF
- Frequency 50/60Hz
- Power Factor 0.99

Model	Multi-GMAW 250 LCD PFC					
Power Supply Voltage (V)	90VAC~275VAC					
	1~110/120/130±10%			1~220/230/240±10%		
	MIG	MMA	TIG	MIG	MMA	TIG
Rated Input Power (kW)	4.1	3.3	3.2	7.9	8.9	6.3
Rated Input Current (A)	34	27	26	35	40	28
Effective Current (A)	26	21	20	27	31	22
Duty Cycle 40℃ 10min	60%150A 100%120A	60%110A 100%85A	60%150A 100%120A	60% 250A 100%195A	60% 250A 100%195A	60% 250A 100%195A
Welding Current Range (A)	40~250	40~250	40~250	40~250	40~250	40~250
Welding Voltage Range (V)	10~30					
No Load Voltage (V)	67(MIG)	48(TIG)	14.5(MMA)			
Net Weight (kg)	25.5					
Dimensions (mm)	630x240x445					
Wire Diameter (mm)	Fe:0.6/0.9/1.0/1.2 Ss:0.8/0.9/1.0/1.2 Flux-Cored:0.6/0.8/0.9/1.01.2					

GMAW 250/315

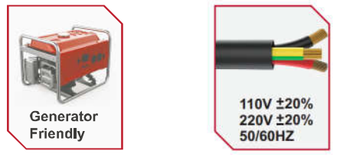
Features

Spool Gun
Capable of loading up to 5Kg Spool.

Wire Feeder
4 rolls wire feeder is available.

Arc Stability
Waveform control,for added stability of the arc,even at the low current.

Protections
Equipped with temperature voltage and current sensors for high protection.

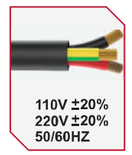


- Insulation Class H
- Protection Class IP23
- Efficiency ≥85%
- Cooling AF
- Frequency 50/60Hz

Model	GMAW 250	GMAW 315
Power Supply Voltage (V)	3~400	
Rated Input Power (kW)	7.6	11
Rated Input Current (A)	21	24
Effective Current (A)	16	15
Duty Cycle 40℃ 10min	60%250A 100%200A	40%315A 60%250A 100%200A
Welding Current Range (A)	50~250	50~315
Welding Voltage Range (V)	13.5~26.5	13.5~30
No Load Voltage (V)	48	25
Power Factor	0.7	
Net Weight (kg)	25	
Dimensions (mm)	618x240x445	
Wire Diameter (mm)	Fe:0.6/0.8/0.9/1.0/1.2 Ss:0.8/0.9/1.0/1.2 Flux-Cored:0.6/0.8/0.9/1.0/1.2	

Multi-GMAW 350S/400S/500S

Heavy Industrial Use!



Features

Digital display
Digital control of all the welding parameters.

Arc stability
Waveform control,for added stability of arc,even at low currents.

Protections
Equipped with temperature ,voltage and current sensors for high protection.

Accessories
Optional trolley and water cooling unit.

- Insulation Class H
- Protection Class IP23
- Efficiency ≥85%
- Cooling AF
- Frequency 50/60Hz

Model	Multi-GMAW 350S			Multi-GMAW 400S			Multi-GMAW 500S		
Power Supply Voltage (V)	3~400								
Power Supply Voltage (V)	MIG	MMA	TIG	MIG	MMA	TIG	MIG	MMA	TIG
Rated Input Power (kW)	12.8	14	10	15.5	16.5	12	23	23	18
Rated Input Current (A)	23	26	20	24	25.5	20	43	43	32
Effective Current (A)	18	20	16	19	20	15	33	25	33
Duty Cycle 40℃ 10min	60% 350A 100%275A			60% 400A 100%310A			60% 500A 100%400A		
Welding Current Range (A)	40~350(MIG)			40~400(MIG)			40~500(MIG)		
Welding Voltage Range (V)	14~35(MIG)			14~40(MIG)			14~50(MIG)		
No Load Voltage (V)	67(MIG)			67(MIG)			65(MIG)	14.5(MMA/TIG)	
Power Factor	0.7			0.75			0.75		
Net Weight (kg)	22			23			31.5		
Dimensions (mm)	525x240x445			525x240x445			605x240x445		
Wire Diameter (mm)	Fe:0.6/0.9/1.0/1.2 Ss:0.8/0.9/1.0/1.2 Flux-Cored:0.6/0.8/0.9/1.0/1.2			Fe:0.6/0.9/1.0/1.2 Ss:0.8/0.9/1.0/1.2 Flux-Cored:0.6/0.8/0.9/1.0/1.2			Fe:0.6/0.9/1.0/1.2/1.6 Ss:0.8/0.9/1.0/1.2/1.6 Flux-Cored:0.6/0.8/0.9/1.0/1.2/1.6		

Multi-GMAW 250-3 DP

Dual pulse
Allows to activate devoted pulse curves for alluminum,mild steel and CuSi3.

Arc stability
Waveform control,for added stability of arc,even at low currents.

Digital display
Digital control of all the welding parameters.

Accessories
Optional trolley and water cooling unit.

Protections
Equipped with temperature ,voltage and current sensors for high protection.


Generator Friendly

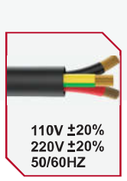

550V Tested In Production


MCU Control System


Heavy Duty Cycle 60%


ϕ 300mm (20 KG)


Phase Lose Protection


110V ±20% 220V ±20% 50/60HZ


SYNERGIC

- Insulation Class H
- Protection Class IP23
- Efficiency ≥85%
- Cooling AF
- Frequency 50/60Hz

Model	Multi-GMAW 250 DP		
Power Supply Voltage (V)	3~400		
Rated Input Power (kW)	MIG	MMA	TIG
Rated Input Power (kW)	7.4	8.9	6.1
Rated Input Current (A)	15	18	13
Effective Current (A)	12	14	10
Duty Cycle 40℃ 10min	40%140A	40%140A	40%200A
Duty Cycle 40℃ 10min	60% 115A	60% 115A	60% 165A
Duty Cycle 40℃ 10min	100%90A	100%90A	100%130A
Welding Current Range (A)	15 250	10~25	10~250
Welding Voltage Range (V)	16-26.5(MIG)		
No Load Voltage (V)	15		
Power Factor	0.7		
Net Weight (kg)	26		
Dimensions (mm)	670x240x450		
Wire Diameter (mm)	Fe:0.6/0.8/0.9/1.0/1.2 Ss:0.8/1.0 Flux-Cored:0.6/0.8/0.9/1.0/1.2 Al:1.0/1.2		

Multi-GMAW 200/250 DP PFC

PFC Technology
Power factor more than 0.99.Multiple advantages such as energy saving and wider input voltage,works with 110V and 220V.

PFC TECH
POWER FACTOR CORRECTION

Features

Dual pulse
Allows to activate devoted pulse curves for alluminum,mild steel and CuSi3.

Arc stability
Waveform control,for added stability of arc,even at low currents.

Digital display
Digital control of all the welding parameters.

Accessories
Optional trolley and water cooling unit.

Protections
Equipped with temperature ,voltage and current sensors for high protection.

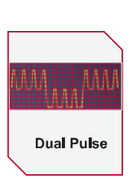

Generator Friendly


440V Tested In Production


MCU Control System


ϕ 300mm (20 KG)


Spool Gun


Dual Pulse


Input Voltage 90~ 275V 50/60Hz

- Dimensions 511x213x400
- Frequency 50/60Hz
- Power Factor 0.99
- Insulation Class H
- Protection Class IP23
- Efficiency ≥85%
- Cooling AF

Model	Multi-GMAW 200 DP PFC						Multi-GMAW 250 DP PFC					
Power Supply Voltage (V)	90VAC~275VAC						90VAC 275VAC					
	1~110/120/130±10%			1~220/230/240±10%			1~110/120/130±10%			1~220/230/240±10%		
	MIG	MMA	TIG	MIG	MMA	TIG	MIG	MMA	TIG	MIG	MMA	TIG
Rated Input Power (kW)	4.0	3.5	3.2	6.2	6.2	4.2	4.6	2.8	3.8	8.3	6.4	8.6
Rated Input Current (A)	33	28	25	27	30	20	47	28	35	36	28	38
Effective Current (A)	20	15	16	15	15	12	26	17	21	21	17	21
Duty Cycle 40℃ 10min	30%140A 60%110A 100%85A	30%110A 60%80A 100%65A	40%150A 60%125A 100%95A	30%200A 60% 145A 100%110A	25%200A 60% 130A 100%100A	35%200A 60% 155A 100%120A	30%160A 60%115A 100%90A	35%130A 60%100A 100%80A	35%140A 60%100A 100%80A	30%200A 60% 195A 100%150A	35%250A 60% 195A 100%140A	35%250A 60% 195A 100%150A
Welding Current Range (A)	40~140	10~110	10~150	40~200	10~200	10~200	40~250					
Welding Voltage Range (V)	14~24						14~26.5					
No Load Voltage (V)	61						65					
Net Weight (kg)	20						27					
Wire Diameter (mm)	Fe:0.6/0.8/0.9/1.0 Ss:0.8/1.0/ Flux-Cored:0.8/0.9/1.0 Al:0.8/0.9/1.0/1.2 (Multi-GMAW 200 DP PFC) Fe:0.6/0.9/1.0/1.2 Ss:0.8/0.9/1.0/1.2 Flux-Cored:0.6/0.8/0.9/1.0/1.2 (Multi-GMAW 250 DP PFC)											

Multi-GMAW 350S/400S/500S DP

Heavy Industrial Use!

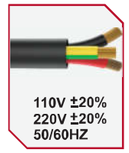

Generator Friendly


Phase Lose Protection

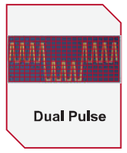

550V Tested In Production


Heavy Duty Cycle 60%


IGBT Module


110V ±20%
220V ±20%
50/60HZ


ϕ 300mm
(20 KG)


Dual Pulse


SYNERGIC

Features

Dual pulse
Allows to activate devoted pulse curves for alluminum,mild steel and CuSi3.

Arc stability
Waveform control,for added stability of arc,even at low currents.

Digital display
Digital control of all the welding parameters.

Protections
Equipped with temperature ,voltage and current sensors for high protection.

Accessories
Optional trolley and water cooling unit.

Insulation Class	H
Protection Class	IP23
Efficiency	≥85%
Cooling	AF
Frequency	50/60Hz

Model	Multi-GMAW 350S DP			Multi-GMAW 400S DP			Multi-GMAW 500S DP		
Power Supply Voltage (V)	3~400								
Power Supply Voltage (V)	MIG	MMA	TIG	MIG	MMA	TIG	MIG	MMA	TIG
Rated Input Power (kW)	12.8	14	10	15.5	16.5	12	23	23	18
Rated Input Current (A)	23	26	20	33	33	27	44	44	35
Effective Current (A)	18	20	16	26	26	21	33	34	27
Duty Cycle 40℃ 10min	60% 350A 100%275A			60% 400A 100%310A			60% 500A 100%400A		
Welding Current Range (A)	15~350(MIG)			15~400(MIG)			15~500(MIG)		
Welding Voltage Range (V)	14~35(MIG)			14~40(MIG)			14~50(MIG)		
No Load Voltage (V)	67(MIG)			81(MIG)			65(MIG) 14.5(MMA/TIG)		
Power Factor	0.7			0.7			0.7		
Net Weight (kg)	22			23.5			32.5		
Dimensions (mm)	560x240x445			560x240x445			605x240x445		
Wire Diameter (mm)	Fe:0.6/0.9/1.0/1.2 Ss:0.8/0.9/1.0/1.2 Al:1.0/1.2 Flux-Cored:0.6/0.8/0.9/1.0/1.2			Fe:0.6/0.9/1.0/1.2 Ss:0.8/0.9/1.0/1.2 Al:1.0/1.2 Flux-Cored:0.6/0.8/0.9/1.0/1.2			Fe:0.6/0.9/1.0/1.2/1.6 Ss:0.8/0.9/1.0/1.2/1.6 Al:1.0/1.2/1.6 Flux-Cored:0.6/0.8/0.9/1.0/1.2/1.6		

DC INVENTER PLASMA CUTTER

Cutter Series

Maximum efficiency and excellent cutting quality are particular features of the Hanker plasma cutting machines.

The models in the PC range are equipped with the absolutely proven and patented Hanker transistor high-power switches.

Large power components and 100% tested quality guarantee the reliability of the models in the PC range in the demanding conditions found in industry and trade works.

PC 40 Pilot

Generator Friendly

440V Tested In Production

Features

Pilot Arc Controller
Increases cutting capabilities and speed.

Weight
Reduced weight and size ,easy to carry.

Protections
Equipped with temperature ,voltage and current sensors for high protection.

Cutting Thickness

Carbon Steel	25mm
Aluminum	17mm
Copper	12mm

Insulation Class	H
Protection Class	IP23
Frequency	50/60Hz
Cooling	AF

Model	Power Supply Voltage (V)	Effective Current (A)	Rated Input Power (kW)	Rated Input Current (A)	Duty Cycle (40°C 10min)	No Load Voltage (V)	Cutting Current Range (A)	Net Weight (kg)	Dimensions (mm)	Severance Cut (mm)	Production Cut (mm)
PC 40 Pilot	160~275	25	4.9	32	60%40A 100%30A	32	20~40	7.3	460x146x278	Carbon Steel ≤25	Carbon Steel ≤20 Stainless Steel ≤20 Aluminum ≤16 Copper ≤12

PC 40 Air

Features

Pilot Arc Controller
Increases cutting capabilities and speed.

Protections
Equipped with temperature ,voltage and current sensors for high protection.

Compressor inside

440V Tested In Production

Input Voltage 220V 50/60Hz

Insulation Class	H
Protection Class	IP23
Frequency	50/60Hz
Cooling	AF

Cutting Thickness

Carbon Steel	14mm
Aluminum	14mm
Copper	10mm

Model	Power Supply Voltage (V)	Effective Current (A)	Rated Input Power (kW)	Rated Input Current (A)	Duty Cycle (40°C 10min)	No Load Voltage (V)	Cutting Current Range (A)	Net Weight (kg)	Dimensions (mm)	Severance Cut (mm)	Production Cut (mm)
PC 40 Air	160~275	25	4.7	33	60%40A 100%30A	25	20~40	17.9	480x210x340	Carbon Steel ≤18	Carbon Steel ≤14 Stainless Steel ≤14 Aluminum ≤14 Copper ≤5

PC 40 PFC

PFC Technology

Power factor more than 0.99.Multiple advantages such as energy saving and wider input voltage,works with 110V and 220V.

Features

Pilot Arc Controller
Increases cutting capabilities and speed.

Protections
Equipped with temperature ,voltage and current sensors for high protection.


Generator Friendly


440V Tested In Production


Input Voltage 90~ 275V 50/60Hz

Cutting Thickness

Carbon Steel	25mm
Aluminum	17mm
Copper	12mm

Insulation Class	H
Protection Class	IP23
Frequency	50/60Hz
Cooling	AF
Dimensions	510x146x278

Model	Power Supply Voltage (V)	Effective Current (A)	Rated Input Power (kW)	Rated Input Current (A)	Duty Cycle (40°C 10min)	No Load Voltage (V)	Cutting Current Range (A)	Net Weight (kg)	Severance Cut (mm)	Production Cut (mm) 1~110	Production Cut (mm) 1~230
PC 40 PFC	1~110	21	3.8	35	60%22A 100%20A	320	20~30	8	Carbon Steel ≤20	Carbon Steel ≤15 Stainless Steel ≤15 Aluminum ≤12 Copper ≤8	Carbon Steel ≤20 Stainless Steel ≤20 Aluminum ≤16 Copper ≤12
	1~230	16	4.9	23	60%36A 100%30A		20~40		Carbon Steel ≤25		

PC 65

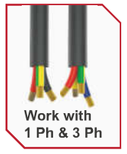
Features

Heavy Duty Cycle
Duty is more than 90%.

Pilot Arc Controller
Increases cutting capabilities and speed.

Protections
Equipped with temperature ,voltage and current sensors for high protection.


CNC Option


Work with 1 Ph & 3 Ph

Cutting Thickness

Carbon Steel	35.5mm

Insulation Class	H
Protection Class	IP23
Frequency	50/60Hz
Cooling	AF

Model	Power Supply Voltage (V)	Effective Current (A)	Rated Input Power (kW)	Rated Input Current (A)	Duty Cycle (40°C 10min)	No Load Voltage (V)	Cutting Current Range (A)	Net Weight (kg)	Dimensions (mm)	Severance Cut (mm)	Production Cut (mm)
PC 65	3~400	17	7.8	18	90%65A 100%61A	450	20~65	24	640x240x445	Carbon Steel ≤35	Carbon Steel ≤25 Stainless Steel ≤25 Aluminum ≤20 Copper ≤14

PC 100/120

Heavy Industrial Use!

Features

Display
Increases cutting capabilities and speed.

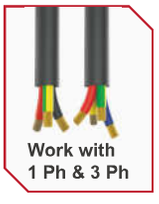
Pilot Arc Controller
Increases cutting capabilities and speed.

Protections
Equipped with temperature ,voltage and current sensors for high protection.


CNC Option


550V Tested In Production


MCU Control System


Work with 1 Ph & 3 Ph


Phase Lose Protection


IGBT Module

Cutting Thickness

Carbon Steel 35.5mm

- Insulation Class **H**
- Protection Class **IP23**
- Frequency **50/60Hz**
- Cooling **AF**
- Dimensions **660x240x445**

Model	Power Supply Voltage (V)	Effective Current (A)	Rated Input Power (kW)	Rated Input Current (A)	Duty Cycle (40°C 10min)	No Load Voltage (V)	Cutting Current Range (A)	Net Weight (kg)	Severance Cut (mm)	Production Cut (mm)	
										PC 100	PC 120
PC 100	3~400	28	14.5	28	100%100A	420	20~100	30.5	Carbon Steel ≤60	Carbon Steel ≤45 Stainless Steel ≤45 Aluminum ≤36 Copper ≤20	Carbon Steel ≤50 Stainless Steel ≤50 Aluminum ≤45 Copper ≤25
PC 120				36	60%120A 100%100A				Carbon Steel ≤70		