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WELDING MACHINES

WELDING MACHINES

INTRUARC 218 SD



- Advanced Dual IGBT Technology
- Unique modern SD design
- Hot start, arc force, anti-sticking
- Over (low) voltage, over (low) current protection
- digital display for accurate welding amperage

Technical Data	
Code	6-100090
Input Voltage	AC 230V ±10%
Input Power Capacity	6.5 KVA
No load Voltage	65V
Output Current	20-200A
Input Current	48A
Duty Cycle %	60% at 200A
Duty Cycle %	100% at 140A
Electrode Size	2.0/2.5/3.2/4.0mm
Weight	8.2kg
Dimension (mm)	368 x 160 x 250

MIGARC 200 SD



- Advanced Dual IGBT Technology, high efficiency
- Unique modern SD design
- Multi function (MMA/MIG/Lift TIG)
- Supplied with MB15 torch
- Dual digital display for accurate welding V & A

Technical Data	
Code	6-100091
Input Voltage	AC 230V ±10%
Input Power Capacity	7.0 KVA
No load Voltage	53V
Output Current	10-180A
Input Current	46A
Duty Cycle %	40% at 180A
Duty Cycle %	80% at 140A
Wire Size	0.6 / 0.8 / 0.9mm
Weight	13kg
Dimension (mm)	485 x 185 x 355

TIGARC 200 SD



- Advanced Dual IGBT Technology, high efficiency
- Unique modern SD design
- Dual function (HF TIG / MMA)
- High frequency start Tig Welding
- Digital display for accurate welding amperage
- Supplied with WP-17V Tig torch

Technical Data	
Code	6-100092
Input Voltage	AC 230V ±10%
Input Power Capacity	4.5 KVA
No load Voltage	42V
Output Current	10-200A
Input Current	21A
Post Flow Time	2.5-5 s
Duty Cycle %	60%
Welding Thickness	0.3-8mm
Weight	7.8kg
Dimension (mm)	380 x 160 x 315

WELDING MACHINES

INTRUARC 161



- Advanced IGBT Technology
- MMA/Lift TIG Function
- Hot Start, arc force, anti-sticking
- Digital Display
- Welding Cable Kit Included

Technical Data	
Code	6-100101
Input Voltage	AC 220V $\pm$ 10%
Input Power Capacity	4.7 Kva
No Load Voltage	58V
Output Current	20-160A
Input Current	31A
Duty Cycle %	60%
Electrode Size	2.0 / 2.5 / 3.2 mm
Weight	7kg
Dimension	335 x 130 x 230 mm

INTRUARC 200



- Advanced IGBT Technology
- MMA/Lift TIG Function
- Hot Start, arc force, anti-sticking
- Digital Display
- Welding Cable Kit Included

Technical Data	
Code	6-100102
Input Voltage	AC 220V $\pm$ 10%
Input Power Capacity	5.3 Kva
No Load Voltage	65V
Output Current	20-200A
Input Current	45A
Duty Cycle %	60%
Electrode Size	2.0 / 2.5 / 3.2 / 4.0 mm
Weight	8kg
Dimension	360 x 155 x 245 mm

INTRUARC 210HD



- Advanced IGBT Technology
- MMA/Lift TIG Function
- Hot Start, arc force, anti-sticking
- Digital Display
- Welding Cable Kit Included

Technical Data	
Code	6-100103
Input Voltage	AC 220V $\pm$ 10%
Input Power Capacity	6.5 Kva
No Load Voltage	65V
Output Current	20-200A
Input Current	48A
Duty Cycle %	80%
Electrode Size	2.0 / 2.5 / 3.2 / 4.0 / 5.0 mm
Weight	8kg
Dimension	365 x 155 x 248 mm

WELDING MACHINES

PRIMIARC 201 VRD



- Advanced IGBT Technology
- Industrial Graded, Light & Compact
- Preset Arc Force, Hot Start and Anti-Stick Device
- Auto Resistant to Voltage Fluctuation
- VRD Function
- Lift TIG Welding Function
- Suitable for welding of Carbon Steel, Stainless Steel, Copper and Alloy Steel Electrodes

Technical Data	
Code	6-100105
Input Voltage	AC 230V $\pm 10\%$, 1 Phase
Rated Input Capacity	8.5 kva
Rated Input Current	38 A
No Load Voltage	65 V (VRD off)
Output Current Range	20-200 A
Duty Cycle %	60%
Electrode Size	2.5 - 4.0 mm
Weight	9 kg
Dimension	360 x 160 x 212 mm

PRIMIARC 323 VRD



- Advanced IGBT Technology
- Industrial Graded, Light & Compact
- Auto Resistant to Voltage Fluctuation
- VRD Function
- Fast System Response to changes in ARC Length, Keeping Stable ARC
- Suitable for welding of Carbon Steel, Stainless Steel, Copper and Alloy Steel Electrodes

Technical Data	
Code	6-100107
Input Voltage	AC 380V $\pm 15\%$, 3 Phase
Rated Input Capacity	8.9 kva
Rated Input Current	16 A
No Load Voltage	67 V (VRD off)
Output Current Range	20-250 A
Duty Cycle %	60%
Electrode Size	2.5 - 4.0 mm
Weight	15 kg
Dimension	380 x 195 x 350 mm

PRIMIARC 403 VRD



- Advanced IGBT Moduel Technology
- Compact Industrial Graded Welder
- Auto Resistant to Voltage Fluctuation
- VRD Function
- Fast System Response to change in ARC Length, Keeping Stable ARC
- Suitable for welding of Carbon Steel, Stainless Steel, Copper and Alloy Steel Electrodes

Technical Data	
Code	6-100108
Input Voltage	AC 380V $\pm 15\%$, 3 Phase
Rated Input Capacity	17 kva
Rated Input Current	26 A
No Load Voltage	67 V (VRD off)
Output Current Range	30-400 A
Duty Cycle %	60%
Electrode Size	2.5 - 5.0 mm
Weight	25 kg
Dimension	482 x 260 x 350 mm

WELDING MACHINES

PRIMIARC 503 VRD



- Advanced IGBT Dual Modul Technology
- Heavy Industrial Welder
- Auto Resistant to Voltage Fluctuation
- VRD Function
- Fast System Response to change in ARC Length, Keeping Stable ARC
- Suitable for welding of Carbon Steel, Stainless Steel, Copper and Alloy Steel Electrodes

Technical Data	
Code	6-100109
Input Voltage	AC 380V $\pm 15\%$, 3 Phase
Rated Input Capacity	27 kva
Rated Input Current	36 A
No Load Voltage	67 V (VRD off)
Output Current Range	30-500 A
Duty Cycle %	60%
Electrode Size	2.5 - 6.0 mm
Weight	45 kg
Dimension	580 x 310 x 545 mm

PRIMIARC 630



- Advabced IGBT modual inverter Technology
- 20 KHZ inverter frequency
- Broader applications of welding scope include gouge
- widely used for acid, basic type of welding electrodes
- Digital display for accurate welding amperage
- Self-adjust arc force improve long cable welding

Technical Data	
Code	6-1001091
Input Voltage	AC 380V $\pm 15\%$
No load Voltage	72V
Output Current	30-630A
Output Voltage	45.6V
Arc Force adjustment	20-200A
Duty Cycle %	60%
Electrode Size	2.5/3.2/4.0/5.0/6.3mm
Weight	51kg
Dimension (mm)	650 x 360 x 625

PRIMIARC 300 KV



- Advanced IGBT Technology
- Multi Voltage Selection
- VRD Function
- Auto Resistance to Voltage Fluctuation
- Excelent on Generator Welding
- DC Output, Suitable for all kinds of Welding Electrodes
- Auto Compensation on Long Cable Welding

Technical Data	
Code	6-100110
Input Voltage	AC 160 V - 460 V
Input Voltage Select	Auto-Slect
Rated Input Capacity	9.2 kva
Rated Input Current	17 A
No Load Voltage	65 V (VRD off)
Output Current Range	20-250 A
Duty Cycle %	60%
Electrode Size	2.5 - 4.0 mm
Weight	18 kg
Dimension	380 x 210 x 360 mm

WELDING MACHINES

SELECTARC 405 DUAL



- Advanced IGBT Moduel Technology
- Auto-Select Dual Voltage
- Heavy Industrial Welder
- VRD Function
- Hot Start, Adjustable ARC Force
- Digital Display Welding A/V
- Suitable for welding of Carbon Steel, Stainless Steel, Copper and Alloy Steel Electrodes

Technical Data	
Code	6-100111
Input Voltage	AC 380V / 525 V
Input Voltage Select	Auto-Slect
Rated Input Capacity	28 kva
Rated Input Current	29 A / 21 A
No Load Voltage	80 V (VRD off)
Output Current Range	20-400 A
Duty Cycle %	60%
Electrode Size	2.5 - 5.0 mm
Weight	43 kg
Dimension	580 x 300 x 510 mm

INTRUMIG 200



- IGBT Technology, High Efficiency
- High-Performance
- Multi-function (MMA/MIG/Lift TIG)
- Digital Display, ARC Force Control
- Supplied with MB15 Torch
- Uses 5kg Spool Wire

Technical Data	
Code	6-100119
Input Voltage	AC 230V $\pm 10\%$, 1 Phase
Rated Power Capacity	7.1 kva
No Load Voltage	53V
Output Current	10-180A
Duty Cycle % (40°C)	40%
Welding Wire Size	0.6 / 0.8 / 0.9 mm
Weight	12.5 kg
Dimension	480 x 180 x 350 mm

DIGIMIG 270



- Advanced digital microprocessor control technology
- Dual Function MIG / MMA
- Comprehensive protecting function, reduce maintenance down time
- Unique air duct design, extend the life span of the machine
- 4 control units unitization design, easy for mainentance

Technical Data	
Code	6-100121
Input Voltage	AC 230V $\pm 15\%$
Input Capacity	8.5 KVA
No load Voltage	52V
Output Current	20-250A
Post Flow (S)	0-5
Duty Cycle	60%
Wire Size	0.8 / 0.9 / 1.0mm
Weight	20kg
Dimension (mm)	622 x 280 x 450

WELDING MACHINES

DIGIMIG 550



- Advanced digital microprocessor control technology
- Dual Function MIG / MMA
- Comprehensive protecting function, reduce maintenance down time
- Unique air duct design, extend the life span of the machine
- 4 control units unitization design, easy for maintenance

Technical Data	
Code	6-100122
Input Voltage	AC 380V $\pm 15\%$
Input Capacity	23 KVA
No load Voltage	77V
Output Current	40-500A
Duty Cycle	60%
Pre Flow (S)	0-2
Post Flow (S)	0-2
Wire Size	1.0/1.2/1.6 mm
Weight	41kg
Dimension (mm)	622 x 280 x 480

DIGIMIG 555 DP (DOUBLE PULSE)



- Advanced digital microprocessor control technology
- Dual Function MIG / MMA welding with double pulse
- Outstanding pulse welding process for aluminium
- Comprehensive protecting function, reduce maintenance down time
- Unique air duct design, extend the life span of the machine
- 4 control units unitization design, easy for maintenance

Technical Data	
Code	6-100123
Input Voltage	AC 380V $\pm 15\%$
Input Capacity	25 KVA
No load Voltage	77V
Output Current	40-500A
Duty Cycle	60%
Pre Flow (S)	0-5
Post Flow (S)	0-5
Wire Size	1.0/1.2/1.6 mm
Weight	40kg
Dimension (mm)	622 x 280 x 480

PRIMIMIG 251C



- IGBT Technology, High Efficiency
- High-Performance
- Multi-function (MMA/MIG/Lift TIG/Flux Cored)
- Digital Display, A/V, Burn Back Control
- Supplied with MB25 Torch & Flowmeter

Technical Data	
Code	6-100120
Input Voltage	AC 230V $\pm 10\%$, 1 Phase
Rated Power Capacity	10.4 kva
No Load Voltage	54V
Output Current	10-250A
Rated Input Current	45A
Duty Cycle % (40°C)	60%
Welding Wire Size	0.6 / 0.8 / 0.9 / 1.0 mm
Weight	43kg
Dimension	880 x 290 x 610 mm

WELDING MACHINES

PRIMIMIG 320C



- Tapping Control, Easy & Reliable Welding
- Wire Speed, ARC Spot Knob Control
- 2T/4T Function
- Welding Current Digital Display
- Supplied with MB36 Torch & Flowmeter

Technical Data

Code	6-100125
Input Voltage	AC 380V $\pm$ 10%, 3 Phase
Rated Power Capacity	11.3 kva
No Load Voltage	38V
Output Current	56-300A
Duty Cycle %	60% @ 229A
Welding Wire Size	0.6 / 0.8 / 0.9 / 1.0 / 1.2 mm
Weight	90kg
Dimension	850 x 480 x 800 mm

PRIMIMIG 420S



- Tapping Control, Easy & Reliable Welding
- Welding Crater Adjustment
- 2T/4T Function
- Welding A/V Digital Display
- Supplied with MB36 Torch & Flowmeter

Technical Data

Code	6-100126
Input Voltage	AC 380V, 3 Phase
Rated Power Capacity	15.1 kva
No Load Voltage	19-40V
Output Current	60-350A
Duty Cycle %	60%
Welding Wire Size	0.8 / 0.9 / 1.0 / 1.2 mm
Weight	110 kg
Dimension	750 x 500 x 780 mm

PRIMIMIG 520S



- Tapping Control, Easy & Reliable Welding
- Welding Crater Adjustment
- 2T/4T Function
- Welding A/V Digital Display
- Supplied with MB40 Torch & Flowmeter
- Suitable for Heavy Duty Welding

Technical Data

Code:	6-100127
Input Voltage	AC 380V, 3 Phase
Rated Power Capacity	30 kva
No Load Voltage	21-51V
Output Current	100-500A
Duty Cycle %	60%
Welding Wire Size	0.8 / 0.9 / 1.0 / 1.2 / 1.6 mm
Weight	130kg
Dimension	850 x 520 x 820 mm

WELDING MACHINES

PRIMIMIG 520S CC/CV



- Advanced IGBT Moduel Technology
- High Performance, Multi-function (MMA/MIG)
- Wire Feeder Speed / Welding Voltage / Ending ARC current / Voltage Adjustable
- Supplies with MB40 Torch & Flowmeter

Technical Data	
Code	6-100129
Input Voltage	AC 380V ±15%
Input Capacity	23 KVA
No load Voltage	77V
Output Current	40-500A
Duty Cycle	60%
Pre Flow (S)	0-2
Post Flow (S)	0-2
Wire Size	1.0/1.2/1.6 mm
Weight	41kg
Dimension (mm)	622 x 280 x 480

PRIMICUT 40



- Advanced IGBT & PWM Technology
- Light, Compact, easy to operate
- Auto Pilot HF Starting Arc
- Suitable for Ferrous & Non-Ferrous Metal Sheet Cutting
- 4 Times Faster Cutting Speed than Traditional Oxy-Fuel Cut
- Supplied with PT31 Torch

Technical Data	
Code	6-100130
Input Voltage	AC 230V ±15%, 1 Phase
Rated Power Capacity	4.6 kva
Rated Input Current	30A
No Load Voltage	280V
Rated Output Current	40A
Duty Cycle %	40%
Output Current Range	20-40A
Cutting Thickness	8mm
Max Cutting Thickness	12mm
Air Pressure	0.2-0.4Mpa
Weight	9.5kg
Dimension	390 x 150 x 300mm

PRIMICUT 60



- Advanced IGBT & PWM Technology
- Light, Compact, easy to operate
- Auto Pilot HF Starting Arc
- Suitable for Ferrous & Non-Ferrous Metal Sheet Cutting
- 4 Times Faster Cutting Speed than Traditional Oxy-Fuel Cut
- Supplied with AG60 Torch

Technical Data	
Code	6-100131
Input Voltage	AC 380V ±15%, 3 Phase
Rated Power Capacity	4.8 kva
Rated Input Current	13A
No Load Voltage	270V
Rated Output Current	63A
Duty Cycle %	60%
Output Current Range	30-63A
Cutting Thickness	12mm
Max Cutting Thickness	20mm
Air Pressure	0.2-0.4Mpa
Weight	26kg
Dimension	445 x 222 x 315 mm

WELDING MACHINES

PRIMICUT 100



- Advanced IGBT Moduel Technology
- Heavy Duty Industrial Application
- Auto Pilot HF Starting Arc
- Suitable for Ferrous & Non-Ferrous Metal Sheet Cutting
- Extreme Fast Cutting Speed
- Supplied with P80 Torch

Technical Data	
Code	6-100132
Input Voltage	AC 380V $\pm 15\%$, 3 Phase
Rated Power Capacity	10.5 kva
Rated Input Current	22A
No Load Voltage	270V
Rated Output Current	100A
Duty Cycle %	60%
Output Current Range	40-100A
Cutting Thickness	20mm
Max Cutting Thickness	30mm
Air Pressure	0.4-0.55 Mpa
Weight	43kg
Dimension	590 x 298 x 550mm

PRIMICUT 120



- Advanced IGBT Moduel Technology
- Heavy Duty Industrial Application
- Auto Pilot HF Starting Arc
- Suitable for Ferrous & Non-Ferrous Metal Sheet Cutting
- Extreme Fast Cutting Speed
- Supplied with P80 Torch

Technical Data	
Code	6-100133
Input Voltage	AC 380V $\pm 15\%$, 3 Phase
Rated Power Capacity	20kva
Rated Input Current	30A
No Load Voltage	350V
Rated Output Current	120A
Duty Cycle %	60%
Output Current Range	40-120A
Cutting Thickness	25mm
Max Cutting Thickness	35mm
Air Pressure	0.4-0.55 Mpa
Weight	45kg
Dimension	590 x 270 x 475mm

PRIMITIG DC 200



- Advanced IGBT Technology
- Dual Function HF TIG / MMA
- High Frequency Start TIG Welding
- Digital Current Display
- Not Suitable for Aluminium TIG Welding
- Supplied with TIG Torch & Earth Cable

Technical Data	
Code	6-100138
Input Voltage	AC 230V $\pm 10\%$, 1 Phase
Rated Power Capacity	4.5 kva
Rated Input Current	21A
No Load Voltage	42V
Output Current	10-200A
Post Flow Time	2.5 - 5 s
Duty Cycle %	60%
Welding Thickness	0.3 - 8 mm
Weight	7.5 kg
Dimension	370 x 153 x 300 mm

WELDING MACHINES

PRIMITIG DC 200P



- Advanced IGBT Technology
- Dual Function HF TIG / MMA
- High Frequency Start TIG Welding
- Pulsed TIG Facility
- Not Suitable for Aluminium TIG Welding
- Supplied with TIG Torch & Earth Cable

Technical Data	
Code	6-100139
Input Voltage	AC 230V $\pm$ 10%, 1 Phase
Rated Power Capacity	4.6 kva
Rated Input Current	17A
No Load Voltage	55V
Output Current	10-200A
Post Flow Time	0-10 s
Duty Cycle %	60%
Welding Thickness	0.6 - 10 mm
Weight	8 kg
Dimension	371 x 153 x 300 mm

PRIMITIG AC/DC 200



- Advanced IGBT Technology
- Dual Function AC/DC TIG / MMA
- Suitable for Aluminium TIG Welding
- High Frequency Start TIG Welding
- Adjustable Down Slope, Gas pre & post Flow
- Supplied with TIG Torch & Earth Cable

Technical Data	
Code	6-100142
Input Voltage	AC 230V $\pm$ 10%, 1 Phase
Rated Power Capacity	4.5 kva
Rated Input Current	20A
No Load Voltage	56V
Output Current	15-200A
Post Flow Time	2-10 s
Duty Cycle %	60%
Welding Thickness	0.5 - 10 mm
Weight	32kg
Dimension	565 x 331 x 512 mm

PRIMITIG AC/DC 200P



- Advanced IGBT Technology
- Dual Function AC/DC TIG / MMA
- Suitable for Aluminium TIG Welding
- High Frequency Start TIG Welding
- Pulsed TIG Facility
- Adjustable Down Slope, Gas pre & post Flow
- 2T / 4T Function
- Adjustable ARC Force in MMA Welding
- Supplied with TIG Torch, Foot Control & Earth Cable

Technical Data	
Code	6-100140
Input Voltage	AC 230V $\pm$ 10%, 1 Phase
Rated Power Capacity	4.5 kva
Rated Input Current	20A
No Load Voltage	56V
Output Current	15-200A
Post Flow Time	0-10 s
Pulse Frequency	0.5 - 300 Hz
Pulse Duty Cycle	10 - 90 %
Duty Cycle %	60%
Welding Thickness	0.5 - 10 mm
Weight	32kg
Dimension	565 x 331 x 512 mm

WELDING MACHINES

PRIMITIG AC/DC 315P



- Advanced IGBT Technology
- Dual Function AC/DC TIG / MMA
- Suitable for Aluminium TIG Welding
- High Frequency Start TIG Welding
- Pulsed TIG Facility
- Adjustable Up & Down Slope, Gas pre & post Flow
- 2T / 4T Function
- Adjustable ARC Force in MMA Welding
- Supplied with Water Cooled TIG Torch, Foot Control & Earth Cable

Technical Data	
Code	6-100141
Input Voltage	AC 380V $\pm 10\%$, 3 Phase
Rated Power Capacity	8.9 kva
Rated Input Current	19A
No Load Voltage	45V
Output Current	15-315A
Post Flow Time	0-10 s
Pulse Frequency	0.5 - 300 Hz
Pulse Duty Cycle	10 - 90 %
Duty Cycle %	60%
Welding Thickness	0.5 - 15 mm
Weight	35.8 kg
Dimension	580 x 335 x 520 mm

SUBMERGED ARC MACHINE 1250A



- Advanced inverter technology
- Suitable for MMA / SAW / CAG welding process
- Excellent voltage fluctuation resist capacity
- Automatic selection of panel & remote welding mode
- Over current, over(under) voltage, phase error, over load protection
- Selection of tractor traveling mode and direction
- Various adjustment of welding head site

Technical Data	
Code	6-100150
Input Voltage	AC 380V $\pm 15\%$
Input Current	100A
Open Voltage	72V
Output Current	160-1250A
Rated Input Capacity	92.5kva
Duty Cycle %	60%
Efficiency	≥ 0.85
Insulation grade	F
Weight	400kg
Dimension (mm)	995 x 570 x 900

SUBMERGED ARC MACHINE TRACTOR



- Compact design, flexible in six angles
- Equipped with control box with simple circuit, easy to maintenance
- Combined drive roller to improve useful duration
- Suitable for carbon steel, stainless steel, copper and alloys

Technical Data	
Code	6-1001501
Input Voltage	AC 110V $\pm 10\%$
Rated Welding Current	1250A
Wire Diameter	2.0-6.0mm
Arc starting method	Scraping, fixed points
Welding Speed	15-80 M/H
Wire feeding speed	30-120 M/H
Welding Head Adjust Distance	100 x 100 x 60mm
Turning Angle	360°
Volume of impregnant	12L
Capacity of wire disc	25kg
Weight	50kg
Dimension (mm)	1020 x 490 x 600