

DATA SHEET

Picotig 220 puls DC 5P

090-002068-00502



- TIG DC inverter welding machine, portable, gas-cooled, 5-pole, with PFC module
- Multivolt/multivoltage capable: can be used worldwide thanks to automatic adjustment of mains voltage (110 V–120 V / 230 V)
- Comfort 3.0 mini control with two easy-to-read 7-segment displays for simple and fast selection of the most important parameters
- 5-pole, digital welding torch connection with X technology allows users to connect Retox XQ welding torches
- High-efficiency current draw thanks to integrated PFC (Power Factor Correction) technology
- **Welding procedures and functions**
 - TIG DC and TIG pulse
 - Non-latched/latched operation
 - spotmatic and spotArc[®]
 - MMA, MMA pulse, MMA cel, MMA cel pulse
 - To find out more about our high-tech TIG arcs, please click on TIG-Process
 - Adjustable hot start current and hot start time
 - Adjustable Arcforce
 - Antistick function
- **Your benefits**
 - Connection capability for remote control and function torch
 - Unlimited generator operation even with long mains leads thanks to high mains voltage tolerances
 - Energy-saving thanks to high efficiency and standby function
 - Robust housing with impact-resistant plastic cover
 - Temperature- and speed-controlled cooling fan – reduced contamination and less noise emissions as fan only runs when needed
 - Splash-proof in line with IP23
 - Consumables box in the handle – consumables always safely stored and within reach
 - Cable holder for holding mains cable as standard
 - Protective cap provided as standard protects the control against water, dirt and impact
 - 3.5 m mains lead with 16 A earthed plug
 - **Overvoltage protection: No damage to machine caused if inadvertently connected to 400-V mains voltage**

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Version	Picotig 220 puls DC 5P
Setting range for welding current	5 A - 220 A
Setting range for welding current @ 110 V - 120 V	5 A - 170 A
Duty cycle 40 °C	220 A / 40 %
	190 A / 60 %
	160 A / 100 %
Duty cycle @ 110 V - 120 V	170 A / 40 %
	150 A / 60 %
	120 A / 100 %
Open circuit voltage	97 V
Mains voltage (ex works)	1 x 230 V
Mains voltage (possible)	1 x 110 V - 120 V
Mains tolerances (ex works)	-40 % up to +15 %
Mains tolerances (ex works) @ 110 V - 120 V	-15 % up to +15 %
Mains frequency	50 Hz / 60 Hz
Recommended generator power	6.6 kVA
Recommended generator power @ 110 V - 120 V	4.6 kVA
Efficiency	84 %
Power consumption Pi	10 W
Protection classification	IP23
Test mark	CE UK EAC S
EMC class	A
Dimensions (L x B x H)	454 mm x 165 mm x 321 mm 17.9 inch x 6.5 inch x 12.6 inch
Weight	10 kg / 22.1 lbs
Standards	IEC 60974-1, -3 and -10 CL.A