

rootArc®
Impuls



- Multiprocess inverter welding machine, pulse, with easy Synergic one-knob operation and integrated wire feeder
- GMAW pulsed welding
- GMAW standard welding
- Synergic or manual welding operation
- EWM forceArc – welding
- EWM forceArc puls – pulsed welding
- EWM rootArc – welding
- EWM rootArc puls – pulsed welding
- Synergic characteristics for steel, CrNi and aluminium
- Perfect for welding self-shielding flux cored wires
- Infinitely adjustable arc dynamics (choke effect)
- MMA welding
- Non-latched/latched operation
- Spot welding/tacking function
- Interval welding
- Adjustable gas pre-flows/post-flows
- Saves power through highly efficient performance
- TIG lift arc welding
- Robust casing suitable for construction site use
- IP23 spray water protected
- High-precision, powerful EWM eFeed 4-roll wire feed mechanism for secure feeding of all solid and flux cored wires
- Equipped for 1.0 mm steel wire
- Wire spool diameter up to 300 mm/D3, 200 mm/D2 possible with adapter
- Easy, tool-free change of welding polarity
- Earth fault monitoring (PE protection)
- Portable, compact
- 5 m mains supply lead
- Mains connection 3 x 400 V/16 A
- Connection capability for function torch (U/D) and Push/Pull torch

	Picomig 305 D3 puls TKG		
	MIG/MAG	TIG	MMA
Setting range for welding current	5 A - 300 A	5 A - 300 A	5 A - 300 A
Duty cycle at ambient t.e	40 °C	40 °C	40 °C
45 %	300 A	300 A	300 A
60 %	260 A	260 A	260 A
100 %	200 A	200 A	200 A
Open circuit voltage	93 V		
Mains frequency	50 Hz		
Mains fuses (slow-blow)	3 x 16 A		
Mains voltage (tolerances)	3 x 400 V (-25 % - +20 %)		
Max. connected load	11 kVA	8.3 kVA	12.1 kVA
Recommended generator power	16.4 kVA		
cos phi	0.99		
Efficiency	88 %		
Drive rolls	4		
Wire speed	1 m/min - 20 m/min		
Dimensions machine, LxWxH in mm	636 x 297 x 482		
Weight, machine	29 kg		
Protection classification	IP 23		
Insulation class	F		
Torch connection	Euro torch connector		
Standards	IEC 60 974-1; -5; -10 / CE / S-Safety sign / EMC class A		