

Smart top quality welding

# POWER<sup>max</sup>



Compact and easy-to-handle unit, combined with maximum mobility and reliability

- robust and portable
- perfect welding features
- top energy efficiency
- appropriate for manual applications



WELDING

The PowerMax 4.0 heralds the dawn of a new era in welding. An innovative resonance principle makes welding easier:

The quick reacting characteristic curve control of the unit means that the welding result is improved even with demanding manual electrodes. In your day-to-day welding operations, you will not want to miss out on TIG contact arc ignition and Hot-Start features.

All of this is combined with even greater comfort with the new POWERmax generation: reduced weight and compact size for versatile on-site handling.

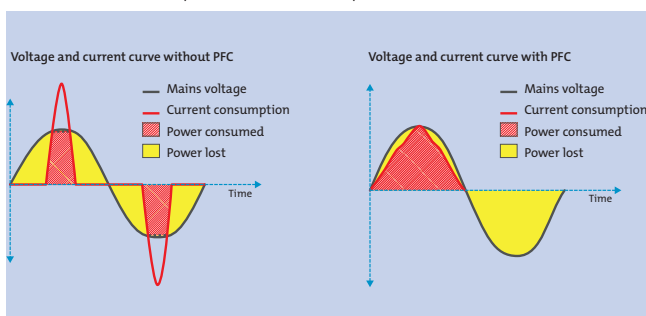
- Safe connection and operating range
- Robust plastic housing design
- Increased stability
- Increased service life thanks to the robustly designed inner components
- Optimised rib framing

### Welding with cutting-edge technology

- The digital resonance inverter ensures an extremely stable arc, as well as reduced spatter formation.
- The PFC technology (Power Factor Correction) enables energy savings, extended mains cables up to approx. 100 m, as well as a more flexible input voltage range.
- Optimised arc electrode ignition for specific application requirements and considerably reduced electrode sticking.

### Highest energy efficiency

By adapting the power consumption to the network voltage the losses (inductive and capacitive reactance effects) are reduced and the power factor improved.



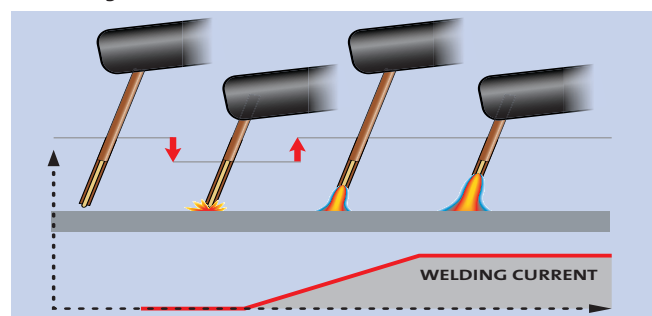
Energy saving, large operating range due to extended mains cables without losses, improved generator efficiency, higher welding current without triggering the circuit breaker

### HOT-START

Perfect arc ignition behaviour of cellulose and rutile electrodes.

### SOFT-START

Soft Start delivers a stable arc even when striking with low welding current.



Highly stable arc and reduced spatter formation. An even quicker control is possible with DIGITAL resonant intelligence compared to the tried and tested inverter technology.

TECHNICAL DATA		POWERmax 4.0
Mains voltage		1 x 230 V (50/60 Hz)
Max. effective primary power ( $I_{1eff}$ )		15 A
Max. primary power ( $I_{1max}$ )		24 A
Max. apparent power ( $S_{1max}$ )		5,52 kVA
Slow blow mains fuse		16 A
Cos Phi		0,99
Welding current range	MMA TIG	10–150 A 10–150 A
Welding current range at 10 min./40°C:	35 % 100 %	150 A 90 A
Open circuit voltage		96 V
Working voltage	MMA TIG	20,4–26 V 10,4–16 V
Degree of protection		IP 23
Safety identification		S, CE
Machine dimensions LxWxH in mm		365 x 130 x 285
Weight		6,3 Kg

TECHNICAL DATA		POWERmax 1800
Mains voltage		1 x 230 V (50/60 Hz)
Max. effective primary power ( $I_{1eff}$ )		16 A
Max. primary power ( $I_{1max}$ )		25 A
Max. apparent power ( $S_{1max}$ )		5,75 kVA
Slow blow mains fuse		16 A
Cos Phi		0,99
Welding current range	MMA TIG	10–180 A 10–220 A
Welding current range at 10 min./40°C:	40 % 100 %	220 A 120 A
Open circuit voltage		101 V
Working voltage	MMA TIG	20,4–26 V 10,4–16 V
Degree of protection		IP 23
Safety identification		S, CE
Machine dimensions LxWxH in mm		435 x 160 x 310
Weight		8,7 Kg