



PANTHER PULS 3500 C, 4500 und 5500

The new PANTHER PULS series is ready for all welding tasks,
optimally prepared to achieve perfect welding results



Multiprocess:

MIG/MAG-Synergic, MIG PULS (double pulse), MMA welding, MMA welding (cellulosic electrodes),
TIG DC (Liftarc), Carbon arc gouging (models 4500 und 5500)

Materials:

Aluminium, Stainless steel, Steel,... and many others

Application in:

Industry, Shipbuilding, Plant construction, Pipeline construction, Mechanical engineering, e.t.c.

Technische Daten	Technical data	PANTHER PULS 3500	PANTHER PULS 4500	PANTHER PULS 5500
Artikel Nr.	article no.	17P3500	17P4500	17P5500
Netzspannung 50/60 Hz	mains voltage	3x400 V (+/- 15%)	3x400 V (+/-20%)	3x400 V (+/-20%)
Absicherung (träge)	fuse (slow blow)	25 A	32 A	40 A
Schweißstrom	welding current	5-300 A	5-400 A	5-500 A
Leerlaufspannung	Open circuit voltage	11/60 V	9/81 V	9/81 V
Einschaltdauer	duty cycle	MIG/MAG:		
		5 -300 A	20-400 A	20-500 A
		60% / 300 A ¹	100% / 400 A ²	60% / 500 A ²
		TIG-WIG:		
		10 - 250 A	5-400 A	5-500 A
		100% / 250 A ¹	100% / 400 A ²	60% / 500 A ²
		MMA:		
		5 -250 A	5-400 A	20-500 A
		100% / 250 A ¹	100% / 400 A ²	60% / 500 A ²
Gewicht	weight	80 kg	115 kg	117 kg
Maße (mm)	Dimensions (mm)	940x360x760	940x530x910 550x230x450	940x530x910 550x230x450
Schutzart	protection class	IP23 S	IP23 S	IP23 S
Norm	standard		IEC 60974-1,2,10 / CE/ S	

¹% RT; ²% 40° C

option:

digital remote control with cable in different length



The most important special functions at a glance:



HIGH SPEED LINE, the significant increase in efficiency

- higher welding speed due to HS pulsed arc, considerable welding time savings
- increased deposition rate
- reduced heat input
- better mechanical structural properties
- deeper burn-in, thus no binding errors
- lower production costs, faster amortization
- excellent welding results for all materials
- Aluminium - Stainless - Steel - welding with pulse and double pulse arc process



POWER ROOT

The root weld at butt seams is simplified, process reliability is optimized and it is excellent for root runs with large gaps



POWER FOCUS, more efficiency in MIG welding

Power Focus is characterized by a higher arc concentration than in normal MIG process. By focusing the arc focal, burn-in is increased, this is very important when welding deep V-seams and root run. High arc pressure allows safe penetration of the root. By reducing opening angle of a V-butt seam, up to 40% less seam volume is required.



HAC Hybrid Arc Control

Spray arc welding:

The HAC control system allows working with shorter spray arc, improving burn-in, reducing heat input and increasing welding speed

Thin sheet welding:

The HAC control system is improving welding at low parameter values, controlling short arc. This is important when welding thin sheets, where HAC controls very little spatter, low heat input with smaller deformation of welded plates.

Hard to weld positions:

The HAC control system enables a short arc with optimal material flow, which facilitates welding in vertical and overhead position

Seam welding:

The control system HAC allows seam welding if thin plates with air gap up to 5mm.

3T special function:

With this function it is possible to select 3 current levels with torch switch (set and retrieve). This is very important when welding high quality seams, and it is recommended when welding aluminium.