

**Powerful and precise:  
TIG-DC welding at the  
highest level**

With up to 300 amperes, the Artis 300 delivers stable welding power and ensures clean, precise TIG welds – even on longer jobs.

Extensive setting options and simple operation make this a dependable companion for everyday work.



# Artis 300

## Efficient TIG welding

- 40 % duty cycle at 300 A
- 10 % mains voltage tolerance at maximum output power
- 96 V–265 V mains voltage supply

## The TIG welding functions

- TIG pulse function up to 990 Hz (weld even thin sheets)
- TAC function (time savings of up to 50 % when tacking materials)
- Spot and stitch welding (for recurring welded joints)
- Trigger Mode off
- Gas pre-flow time/gas post-flow (automatic and manual)
- PTD – Pulse / TAC display (function curve)
- Touch HF (for high frequency ignition in difficult to access areas)
- TIG welding torch with different operating options

## The electrode welding functions

- Electrode pulse welding
- CEL electrodes
- HotStart function
- Anti-stick
- Arc-force dynamic





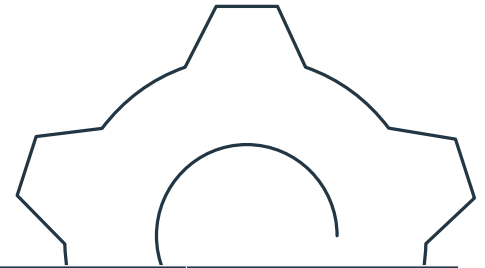
## Artis 300 XT – Cost effective and powerful

This welding machine does it all. The Artis Extended version is designed for mains voltages from 200 to 600 V and can therefore be used worldwide. Depending on the power category and the mains fuse, up to 300 A is possible in single-phase operation.



- Available for gas- or water-cooled versions
- Can be used worldwide
- Full generator compatibility
- Optimized welding performance due to higher output characteristic
- CEL-compatible

# Technical data



	Artis 300 DC/G	Artis 300 DC/G/XT/nc
Mains voltage U1	3 x 400 V	3 x 200–575 V/1 x 230 V
Mains voltage tolerance		-10/+10 %
Mains frequency		50/60 Hz
Mains fuse protection (slow-blow)	16 A	30 A
Maximum primary power (100 % D.C.)	5.7 kVA	5.6 kVA
Cos phi		0,99
TIG welding current	10 min/40 °C (104 °F), U1 = 3 x 400 V	
40 % D.C.		300 A
60 % D.C.		260 A
100 % D.C.	210 A	230 A
Electrode welding current	10 min/40 °C (104 °F), U1 = 3 x 400 V	
40 % D.C.		250 A
60 % D.C.		220 A
100 % D.C.		180 A
TIG open circuit voltage (pulse)		39 V
Electrode open circuit voltage (pulse)		101 V
TIG output voltage range		10.3–22.0 V
Electrode output voltage range		20.4–30.0 V
Protection class		IP 23
Dimensions l x w x h	558 x 210 x 369 mm 22 x 8.3 x 14.6 in.	
Weight	19.9 kg (43.9 lb)	19.4 kg (42.7 lb.)

	Artis 300 DC/W	Artis 300 DC/W/XT/nc
Mains voltage U1	3 x 400 V	3 x 200–575 V/1 x 230 V
Mains voltage tolerance		10/+10 %
Mains frequency		50/60 Hz
Mains fuse protection (slow-blow)	16 A	30 A
Maximum primary power (100% D.C.)	5.7 kVA	5.6 kVA
Cos phi		0.99
TIG welding current	10 min/40 °C (104 °F), U1 = 3 x 400 V	
40 % D.C.		300 A
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40 % D.C.		250 A
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100 % D.C.		180 A
TIG open circuit voltage (pulse)		39 V
Electrode open circuit voltage (pulse)		101 V
TIG output voltage range		10.3–22.0 V
Electrode output voltage range		20.4–30 V
Protection class		IP 23
Dimensions l x w x h	558 x 210 x 561 mm 22 x 8.3 x 22.1 in.	
Weight	26.2 kg (57.8 lb)	25.6 kg (56.4 lb)