

## Tetrix 451 AC/DC Comfort 2.0 puls

090-000251-00502



- Water-cooled AC/DC TIG inverter welding machine
- activArc – Precise, focussed arc with reduced heat input and deep penetration for optimum root fusion
- Electronic HF start
- TIG lift arc welding
- Special AC welding procedure to join markedly different aluminium plates together, e.g. welding 1-mm-sheet to a 10-mm-plate
- Features characteristics for EWM activArc and EWM spotArc at no extra charge
- Adjustable AC waveform, sine, trapezoidal, square current
- Adjustable AC frequency between 30 Hz and 300 Hz
- Adjustable AC balance
- TIG automated pulsing with automatic specification of required pulse parameters
- Pulsed TIG welding in Hz and kHz range up to 15 kHz
- 100 free memory locations for recurring welding tasks (JOBS)
- Non-latched/latched operation
- Reduced secondary current accessible using torch trigger
- Spot welding/tack function (spotArc/spotmatic)
- Adjustable up-slope and down-slope time
- Adjustable gas pre- and post-flow time
- MMA welding
- MMA average value pulsing
- Adjustable hot start current and hot start time
- Adjustable Arcforce
- Antistick function
- Highlights
- Energy-saving thanks to high efficiency and standby function
- Connection capability for remote control and function torch
- Mains connection: 3 x 400 V; other mains voltages and multivolt as an option
- Crane-liftable casing
- Optional network connectivity with ewm Xnet software via LAN or WiFi gateway
- ON 7pol (092-001826-00000) “7-pole connection socket for accessory components and/or as digital interface” required for Xnet
- PC interface for PC300 XQ software
- Excellent torch cooling, resulting in cost savings on consumables due to high-performance centrifugal pump and 12-litre water tank

Version	Tetrix 451 AC/DC Comfort 2.0 puls
Setting range for welding current	5 A - 450 A
Duty cycle 40 °C	450 A / 80 % 420 A / 100 %
Open circuit voltage	79 V
Mains voltage	-25 %
Mains frequency	50 Hz / 60 Hz
Mains voltage	3 x 400 V
Tolerances	-25 % up to +20 %
Mains frequency	50 Hz / 60 Hz
Recommended generator power	22 kVA
Cooling capacity at 1 l/min.	1000 W
Pump pressure	3.5 bar
Tank capacity	12.5 l
Protection classification	IP23

Safety marking



EMC class

A

Dimensions (L x B x H)

1085 mm x 680 mm x 1204 mm

42.7 inch x 26.8 inch x 47.4 inch

Standards

IEC 60974-1, -2, -3 and -10 CL.A