



## Tetrix 300 ACDC VRD



The *EWM Tetrix 300 ACDC* is an efficient and portable machine that is gas or optionally liquid-cooled with the *cool 40 U31* cooling unit that allows excellent torch cooling (available separately). Its MMA pulse welding capabilities includes adjustable hot start current, arc force and anti-stick functions. A special AC welding procedure with the machine allows the user the flexibility to join different aluminium plates together eg welding 1mm sheet to a 10mm plate.


Ideal for busy professionals who perform medium to heavy industrial work, the *Tetrix 300 ACDC VRD* is designed with EWM patented processes (activeArc® and Spotmatic®) for faster and cost-effective welding results. The *Tetrix 300 ACDC VRD* can hold up to eight pre-programmed jobs saving the welder valuable set up time for those repetitive tasks.

Take it anywhere. This portable welder offers overvoltage protection and a VRD (voltage reduction device) that reduces open circuit voltage to safer levels.

This is not just a machine but a full package that includes a TIG torch, gas hose, regulator and work return lead. The *EWM Tetrix 300 ACDC* is covered by a three-year conditional warranty.



## Specifications

Part No.	091-000235-00532	
	<b>TIG</b>	<b>MMA</b>
Setting range for welding current	5–300 A	5–300 A
Duty cycle at	40°C	40°C
ambient temperature	–	300 A
30%	300 A	–
35%	260 A	260 A
60%	210 A	210 A
100%		
No-load voltage (open circuit voltage)	63 V	
Mains fuses (slow-blow)	3× 16 A	
Mains voltage (tolerances)	3× 400 V (-25% to +20%)	
Mains fuses (slow-blow)	50/60 Hz	
Mains fuses (slow-blow)	11.7 kVA	17 kVA
Mains fuses (slow-blow)	15.8 kVA	23 kVA
cos φ	0.99	
Efficiency	84%	
Dimensions machine (L × W × H)	539 × 210 × 415 mm	
Weight, machine	22.6 kg	
Protection classification	IP 23	
EMC Class	A	
Insulation Class	H	
Standards	IEC 60 974-1; -10 /  / EMC class A	

## Features

## TIG welding

- Electronic HF start
- TIG lift arc welding without HF
- Adjustable AC waveform, sine, trapezoidal, square current
- Adjustable AC frequency between 30 Hz and 300 Hz
- Adjustable AC balance, pulse balance
- TIG average value pulsing: the preset welding current is maintained at all times, so particularly suitable for welding as per welding procedure specification
- Pulsed TIG welding in Hz and kHz range up to 15 kHz
- 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

## Highlights

- Energy-saving thanks to high efficiency and standby function
- Connection capability for remote control and function torch
- Optional network connectivity with ewm Xnet software via LAN or WiFi gateway
- PC interface for PC300 XQ software

## Package includes

- Power source
- TIG 300 G HD 2T 8P 4M torch
- Work return lead
- Regulator and gas hose
- Operating manual

## Optional extra

- Cool 40 U31 cooling unit (Part No. 090-008600-00532)

## Service and warranty

Three-year conditional warranty covers parts and labour. Excludes torches and consumable items. Warranty will not apply if operating and service instructions are not followed or the product shows evidence of tampering.