



The new benchmark in compact TIG units

TIGER[®] HIGH/ULTRA 180-230 DC + AC/DC

The big cat among TIG inverters – lighter, stronger and thus more mobile than any other portable compact TIG power source.

Its predecessor sold 40.000 units so it has left big shoes to fill. However the new TIGER[®] has even exceeded these high expectations in its many field tests. The new TIG primary inverter is the ideal companion for mobile operations thanks to its low weight. The integrated process possibilities offer exclusive

REHM 17.5 kHz Hyperpuls process that has set the benchmark for compact TIG units.

The new TIGER[®] is available immediately in both versions **HIGH** and **ULTRA**. Both versions feature **DC** and **AC/DC** with the option of a very lightweight, integrated cooling unit.

Light, strong, mobile

With its low weight, compact size and yet a wide variety of functions, the TIGER® is the optimum power source for all mobile operations on building sites, for service work or for repair welding where access is difficult offering a high degree of precision welding capabilities.

Maximum Mobility

- The TIGER® weighs between 7.1 and 7.9 kg, depending upon the version with dimensions of only 480 x 160 x 320 mm. This makes it the **world champion of flyweights**.
- The TIGER® can run with **extension cables** of up to 100 m with no problems.
- The **optional cooling** unit was also designed for mobile applications. It is significantly smaller and lighter than comparable units.
- **Generator frequency tracking:** means that the TIGER® can also be used with small generators.

Robust, functional build

- The **robust plastic housing**, a **floating chassis** and the mechanically disconnected **rotary knob** protect the electronics of the TIGER®. Even against a fall from a height of 90 cm.

- A comfortable **carrying handle** enables secure handling in mobile operations. As this is open, the welder can hang rolled up hose-pack and cables here.
- The new **tunnel ventilation system** hinders entry of dust and dirt particles into the housing components.
- The integrated **drawer** in the handle is also practical for storing small consumables.

Process control optimised for applications

- The processor control has been **optimised for practical applications**. It gives active support to the welder.
- It enables new welding processes with **high customer benefits:**
 - DC Hyperpuls
 - AC Hyperpuls
 - DualWave Hyperpuls
 - Hyperspot DC und AC



The new drawer under the handle is perfectly suited for storing small consumables such as TIG electrodes and gas nozzles



All versions are available with an integrated water cooling system. Compact and lightweight. System weight from 15.7 kg

TECHNICAL DATA		TIGER® HIGH 180 DC, AC/DC		TIGER® HIGH 230 DC, AC/DC		TIGER® ULTRA 180 DC, AC/DC		TIGER® ULTRA 230 DC, AC/DC	
Setting range	TIG [A] Electrode [A]	4-180 20-150 (BOOSTER)		4-230 20-180		4-180 20-150 (BOOSTER)		4-230 20-180	
Duty cycle (ED) 10 min at 40°C	TIG [%] Electrode [%]	40 60		35 40		40 60		35 40	
Open circuit voltage	[V]	77/91		82/89		77/91		82/89	
Mains voltage (dimensioning voltage)	[V] [Hz]	1 x 230 50/60		1 x 230 50/60		1 x 230 50/60		1 x 230 50/60	
Fuses (delayed action)	[A]	16		16		16		16	
Protection type		IP 23 S		IP 23 S		IP 23 S		IP 23 S	
Insulation class		F		F		F		F	
Torch cooling		Gas (Water)		Gas (Water)		Gas (Water)		Gas (Water)	
Dimensions LxWxH	[mm]	480 x 160 x 320		480 x 160 x 320		480 x 160 x 320		480 x 160 x 320	
Weight	[kg]	7.1/7.3		7.5/7.9		7.1/7.3		7.5/7.9	
Part number gas cooled		1503610	1503620	1503650	1503660	1503510	1503520	1503550	1503560
Part number water cooled		1503611	1503621	1503651	1503661	1503511	1503521	1503551	1503561

Pictures are indicative. Subject to technical change. Optional extras on the units shown are available for an additional price. All units bear the CE and S marks and correspond to standard EN 60 974-1.

TIGER® ULTRA AC/DC 180 A / 230 A

Versions HIGH and ULTRA

HIGH and ULTRA are available as DC or AC/DC. The version TIGER® ULTRA offers the additional functions: 17.5 kHz Hyperpulsing, Dual Wave, 99 programme memory with a large free capacity for storing various welding parameters.



TIGER® HIGH DC 180 A / 230 A

TIGER® HIGH AC/DC 180 A / 230 A



TIGER® ULTRA DC 180 A / 230 A



The further improved control includes not only **ONE KNOB OPERATION** but also function buttons for reliable and fast operation of the TIGER®

REHM – Setting the pace in welding

THE REHM PERFORMANCE PROGRAM

- **REHM MIG/MAG shielded arc welding units**
SYNERGIC.PRO²® gas and water cooled up to 450 A
SYNERGIC.PRO²® water cooled 500 A up to 600 A
MEGA.ARC²® continuously adjustable up to 450 A
PANTHER 202 PULS pulsed arc welding unit with 200 A
MEGA.PULS FOCUS[®] pulsed arc welding units up to 500 A
- **REHM TIG shielded arc welding units**
TIGER[®] HIGH/ULTRA 180-230 DC + AC/DC
INVERTIG.PRO[®] and INVERTIG.PRO[®] *digital* 240 A to 450 A, three phase
INVERTIG.PRO COMPACT and INVERTIG.PRO COMPACT *digital* 240 A to 450 A, three phase
- **REHM manual arc welding units**
BOOSTER 140, BOOSTER.PRO 170 and 210, single phase
BOOSTER.PRO 250 and 320, three phase
- **Welding rotators**
- **REHM Plasma cutting units**
- **Welding accessories and filler material**
- **Weld fume extractors**
- **Technical welding consultancy**
- **Torch repairs**
- **Service**



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