



STANDARD

MIG/MAG

NEW
Available from the
1st quarter of 2009

The small, lightweight all-rounder

MIG/MAG, TIG and MMA in one unit



PICOMIG 180



MIG/MAG
standard welding



MMA welding



TIG welding
Liftarc

HIGHLIGHTS

3-in-1 – Professional equipment ready for anything with 3 full-scale welding processes

- MIG/MAG welding, TIG welding (Liftarc), MMA welding

Extremely easy transport

- Innovative inverter technology for compact design and low weight

100% suitable for construction sites – optimised for tough assembly work applications

- Modern plastic casing:
 - Low weight for easy transport and handling
 - Ergonomic design with no corners or edges
 - Functionality, resilience and safety even when dropped or on impact

- Pole reversal as standard – ideal for welding with self-protective cored wires (e.g. in the open air)
- 4-roller drive unit
- Large 37 mm drive rollers for reliable wire feeding
- Inspection window to check the wire spool level
- Easy servicing and maintenance: Tool-free roller change, rapid changeover of welding accessories with connection sockets for welding torches (central connector) and workpiece lead

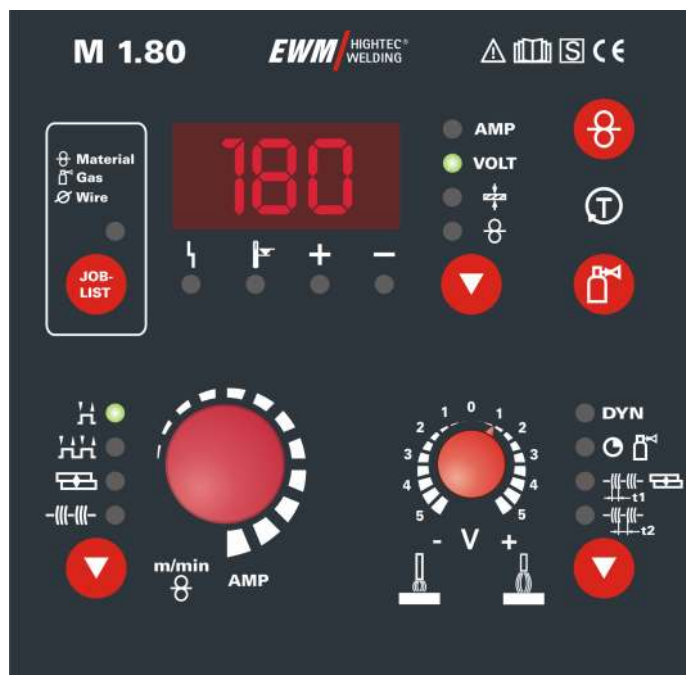
AREA OF APPLICATION

- MIG/MAG welding:
Solid wire: Steel 0.8 to 1.2 mm, CrNi 0.8 and 1.0 mm, Alu 0.8 to 1.2 mm, cored wire 0.9 and 1.1 mm
- TIG welding: unalloyed, low-alloy and high-alloy steels, nickel-based alloys, copper and special materials, repair welding on cast aluminium components
- MMA welding with rutile and basic coated electrodes:
unalloyed, low-alloy and high-alloy steels, nickel-based and copper alloys
- Production and repair work, metal construction, facade, heating and ventilation construction, food and chemical industries, pipeline, closed container and equipment construction, vehicle, machine, plant and tool construction, and more

EWM / HIGHTEC®
WELDING

SIMPLY MORE

SWITCH ON AND START WELDING



Direct access to all key control functions – custom settings also possible.

MIG/MAG

Select the welding tasks using the material, wire diameter, gas type and material thickness. 30 preset JOBs (welding tasks) – for common applications

- Non-latched and latched operation
- Spots
- Interval
- Currentless gas test
- Currentless wire inching
- Infinitely adjustable:
 - Wire speed
 - Arc length correction
 - Dynamics
 - Wire burn-back (percentage can be set for the relevant job)
 - Gas pre-flow and post-flow times

WIG (infinitely adjustable)

- Welding current
- Gas pre-flow and post-flow times
- Ignition current and end-crater current, percentage
- Up and down slope times

MMA (infinitely adjustable)

- Welding current
- Hotstart time and current
- Anti-stick function (fixed)

TECHNICAL DATA

CE IP23 S IEC/EN 60974 EN 50199 PC CB

Welding machine, gascooled	PICOMIG 180		
	MIG/MAG	TIG	MMA
Setting range Welding current	5 A-180 A	5 A-180 A	5 A-150 A
Duty cycle (dc) at ambient temperature	40 °C	40 °C	40 °C
25 % dc	180 A	-	-
30 % dc	-	180 A	-
35 % dc	-	-	150 A
60 % dc	120 A	140 A	110 A
100 % dc	100 A	120 A	100 A
Open circuit voltage	90 V		
Mains voltage (tolerances)	1 x 230 V (-40 % - +15 %)		
Mains frequency	50/60 Hz		
Mains fuse (safety fuse, slow-blow)	16 A		
Max. connected power	6,4 kVA	4,4 kVA	5,5 kVA
Recommended generator rating	7,5 kVA		
Cosp	0,99		
Wire feed speed	0,5-15 m/min		
Drive	4 rollers (37 mm)		
Wire spool diameter	D200 (200 mm)		
Torch connection	central connection (Euro / Dinse)		
Dimensions L x W x H [mm]	620 x 300 x 360		
Weight approx.	15 kg		

Sales, Advice, Service

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