



SMALL, ROBUST AND LIGHTWEIGHT



Photo: Donges (Company)

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

- Intelligent casing design and robust, impact-resistant plastic guarantees functionality and safety even if dropped or knocked
- Large operating voltage range from 138V - 265V
- Safe operation on mains leads up to 50m long and unrestricted operation on generators
- Protection classification IP23 (outdoor operation), S - safety sign (boiler welding)

4mm electrodes – no problem

- Excellent ignition and welding properties
- Latest inverter technology with excellent control dynamics for a stable arc for problem-free welding of critical electrodes, e.g. rutile/cellulose electrodes

Easy transport, e.g. on ladders and scaffolding

- Innovative inverter technology for small, compact design and low weight
- Machine front and rear sections in plastic designed for ergonomic, modern casing design without corners or edges

Reliable and safe

- Operating elements in protected position in a stable design
- Positioning of the electronics in low-dust areas
- Integrated temperature monitor for protection against overload
- Optional dirt filter for especially rough sites

STICK



MMA welding



TIG welding with Liftarc ignition



230 V

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EWM/HIGHTEC® WELDING

S I M P L Y M O R E

Machine highlights



Applications

Materials

- Coated electrodes:
Rutile (R), rutile/basic (RB), basic (B),
rutile/cellulose (RC)
- Unalloyed, low- and high-alloyed steels,
nickel, copper and aluminium alloys

Applications

- Repair and production of machines, plants, construction and
agricultural machines, rail cars, ships, chemical plants, boilers, closed
containers, equipment construction, pipelines, etc.
- Assembly and construction site usage, outdoor working, offshore

Technical data

PICO 162	MMA			TIG		
Welding current setting range	10A - 150A			10A - 160A		
Welding voltage setting range	20,4V-26V			10,4V-16,4V		
Duty cycle (dc) at 20° ambient temperature	45% dc	50% dc	100% dc	45% dc	50% dc	100% dc
	-	150A	120A	160A	-	120A
Duty cycle (dc) at 40° ambient temperature	30% dc	35% dc	60% dc	100% dc	30% dc	35% dc
	-	150A	120A	100A	160A	-
Open circuit voltage	105V					
Mains voltage (tolerances)	1 x 230V (-40% - +15%) / 1 x 240V (-40% - +10%)					
Mains frequency	50/60 Hz					
Mains fuse (safety fuse, slow-blow)	1 x 16A					
Max. connected power / rec. generator power	6 kVA / 8,1kVA					
Cos phi / efficiency / protection classification	0,99 / 88% / IP 23					
Dimensions L x W x H [mm]	365 x 116 x 224					
Weight (excluding mains cable) approx.	4,8 kg					
General data						
Ambient temperature	-10 °C to +40 °C					
Standards	IEC 60974, EN 60974, EN 50199	For arc welding equipment				
Sign	Protection classification IP 23	For increased protection, e.g. for outdoor welding				
	- Sign	Welding with increased electrical hazard, e.g. in boilers				
	CE mark	In accordance with EC Directive: EMC Directive (89/336/EWG) Low Voltage Directive (72/23/EWG)				

Accessories: Practical MMA set, consisting of robust case with machine and welding position equipment!

Sales, Advice, Service

EWM / **HIGHTEC**[®]
WELDING

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