Maximum performance even in tough conditions

- our robust, step switch controlled MIG/MAG professionals

WEGA compact

WEGA decompact

MIG/MAG standard welding

HIGHLIGHTS

- Innovative casing design with ergonomic grip system and maximum mobility: Mobile, can be lifted by crane and moved by fork lift
- Intelligent casing design with optimised air cooling for greater cooling output and maximum protection from dust and small particle intrusions
- Maximum efficiency with minimal finishing work thanks to low-spatter welding in the short arc and spray arc areas using argon, mixed gases and CO_2
- Thanks to different machine versions, delicately balanced performance and variety of options with the ideal equipment for every application: Compact or with separate wire feed, gas or water cooled, different wire feed units and control interfaces from classic operation through to preset one-dial operation
- Perfect ignition and welding: Welding choke with 3 taps for the various materials; fine-step voltage setting, 4-roller feed with large drive rollers for safe wire feeding

AREA OF APPLICATIONS

- MIG / MAG standard welding with short, compound or spray arc using argon, gas mixtures and CO_2 can be used
- Materials: Unalloyed, low-alloy and high-alloy steel, aluminium-based alloys.
- Solid and core wire electrodes
- Production and repair work in metalworking trade and industry, steel work and engineering, pipeline, closed containers and equipment construction, vehicle and shipbuilding, assembly work, etc.

VARIOUS CONTROL VARIANTS WITH SELF-EXPLANATORY OPERATING INTERFACES

Welding machine / Wire feed unit

M1.01

- Traditional operating concept (twin-dial operation) with all welding parameters immediately accessible
- Non-latched, latched, spot, interval

M2.20

- Simplest possible operating concept with digital display for all welding data
- Non-latched, latched, spot, interval, currentless gas test and wire creep

M2.40

- Fast one-dial operation concept with 24 preset JOBs (welding tasks) and with digital display for all welding data
- Non-latched, latched, spot, interval, currentless gas test and wire inching
- Choice of operating mode: Job (one-dial operation) and Manual (twin-dial operation)

TECHNICAL DATA

CE IP23 S IEC/EN 60974 EN 50199

Welding machine, gas / water cooled	WEGA 351		WEGA 401		WEGA 451	
	compact	decompact	compact	decompact	compact	decompact
Setting range Welding current	30 A-350 A		30 A-400 A		30 A-450 A	
Switching steps	16		24		24	
Wire feed speed	1-20 m/min		1-20 m/min		1-20 m/min	
Duty cycle (dc) at 40°C ambient temperature						
45 % dc	350 A		400 A		450 A	
60 % dc	300 A		330 A		400 A	
100 % dc	230 A		270 A		310 A	
Mains voltage (tolerances)*	3 x 400 V (-15 % – +15 %)		3 x 400 V (-15 % – +15 %)		3 x 400 V (-15 % – +15 %)	
Mains frequency	50/60 Hz		50/60 Hz		50/60 Hz	
Mains fuse (safety fuse, slow-blow)	3 x 25 A		3 x 25 A		3 x 25 A	
Max. connected power	16 kVA		20 kVA		22 kVA	
Recommend generator rating	22 kVA		27 kVA		30 kVA	
Max. flow rate	5 l/min		5 l/min		5 l/min	
Max. output pressure	3,5 bar		3,5 bar		3,5 bar	
Dimensions welding machine L x B x H [mm]	1100 x 550 x 940		1100 x 550 x 940		1100 x 550 x 940	
Dimensions Wire feed unit L x B x H [mm]	690 x 300 x 410		690 x 300 x 410		690 x 300 x 410	
Weight welding machine appr. gas / watercooled	130 kg/150 kg	125 kg/145 kg	145 kg/165 kg	139 kg/159 kg	150 kg/170 kg	144 kg/164 kg
Weight Wire feed unit approx.	20,5 kg		20,5 kg		20,5 kg	