



NEW
Available for delivery from
2nd Quarter '08

MIRA[®] 151 • 221MV • 251 • 301

MIG/MAG

Robust step switch controlled machines with optimum performance

- MIG/ MAG compact welding machines for universal usage



MIRA 251



HIGHLIGHTS

- 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 CO₂
- Safe and reliable – integrated temperature monitor for protection against overload
- Outstanding constant wire feeding without any deformation of the wire thanks to precise wire feed rollers, accurate pressure adjustment, and exact wire feed geometry with optimum wire alignment
- Flexible usage – operation possible on a single-phase 230 V mains network and on a three-phase 400V mains network (MIRA 221MV)
- User-friendly – plug-in workpiece lead, not permanently connected
- Excellent arc ignition thanks to optimised ignition characteristics according to the operating point selected
- Excellent ignition and welding properties: Fine-step voltage setting, optimized welding choke
- Ideal for assembly work thanks to the single-phase 230 V mains voltage and the low weight (MIRA 151)

AREA OF APPLICATIONS

- MIG / MAG standard welding with short, compound or spray arc using argon, gas mixtures and CO₂ can be used
- Materials: Low-alloy steels, solid and core wire electrodes
- Metal-working trades, industry, e.g. works maintenance, repair workshops for cars and agricultural vehicles, switch cabinet and ventilation construction, steel and machine construction, assembly work, tacking work in production

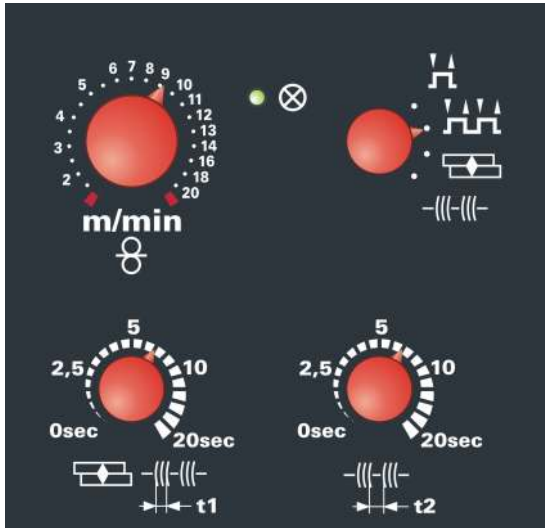


EWM / HIGHTEC[®]
WELDING

SIMPLY MORE



CONTROL



- Self-explanatory welding machine control with large, easy-to-use operating controls and a large range of functions
- Traditional operating concept (twin-dial operation) with all welding parameters immediately accessible
- Non-latched, latched, spot, interval
- Spot time, interval time and interval pause time can be infinitely adjusted
- Key button for currentless inching

TECHNICAL DATA



Welding machine, gas cooled	MIRA 151 kompakt		MIRA 221MV kompakt		MIRA 251 kompakt		MIRA 301 kompakt	
Setting range Welding current	30 A-150 A		30 A-220 A		30 A-250 A		30 A-300 A	
Switching steps	6		6		8		8	
Wire feed speed	1,5-15 m/min		1,5-20 m/min		1,5-20 m/min		1,5-20 m/min	
Drive	2 rollers / 37mm		2 rollers / 37mm		4 rollers / 37mm		4 rollers / 37mm	
Duty cycle (dc) at ambient temperature	20 °C	40 °C	20 °C	40 °C	20 °C	40 °C	20 °C	40 °C
15 % dc	-	150 A	-	220 A*	-	-	-	-
20 % dc	-	-	-	-	-	250 A	-	300 A
25 % dc	150 A	-	220 A*	-	-	-	-	-
30 % dc	-	-	-	-	250 A	-	300 A	-
100 % dc	70 A	55 A	105 A*	85 A*	150 A	125 A	170 A	150 A
Mains voltage (tolerances)	1 x 230 V (-15 % - +15 %)		1 x 230 V / 2 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		50/60 Hz	
Mains fuse (safety fuse, slow-blow)	16 A		16 A		16 A		16 A	
Max. connected power	4,7 kVA		8,0 kVA		9,6 kVA		12,8 kVA	
Recommend generator rating	6,4 kVA		11,0 kVA		13,0 kVA		18,0 kVA	
Cosφ	0,91		0,91		0,95		0,95	
Dimensions L x W x H [mm]	870 x 390 x 610		870 x 390 x 610		870 x 390 x 610		870 x 390 x 610	
Weight approx.	47 kg		56 kg		60 kg		72 kg	

* at 400 V mains voltage

Sales, Advice, Service

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