

DIGIMAG 380

MIG - MAG inverter welding equipment
for wide range applications



SYNERGIC

DIGIMAG 380 perfect manual installation for industrial welding applications



DIGIMAG 380, either air-cooled or water-cooled, brings the flexibility to weld the widest range of industrial applications, meeting the requirements for both medium and heavy fabrication.

With both inverter technology and digital control, the welder can adjust the welding parameters easily and with precision or use the synergic curves available for most welding applications, using the 30 welding programs, memorised in order to ensure the repeatability of the welding parameters.



Boiler factories



Railway equipment



Metal furniture



Infrastructure



Repair and maintenance



Road transport

For a Wide Variety of Fabrication Applications:

The great diversity of welding applications in the various segments of the fabrication industry means that MIG-MAG plant has to be versatile in both functionality and operation.

Productivity is one of the keys to success for today's industrial companies, and DIGIMAG 380 can enhance performance through welding quality and repeatability of the parameters used.

DIGIMAG 380 is **easy to adjust and to use** and this simplicity in operation improves welding performance.

DIGIMAG 380 is compact, light and the modular design is readily adapted to the welding application. The combination of the efficient inverter, with complete welding cycle, and the simple and robust wire feeder brings the welder the right tool to achieve the highest welding quality. DIGIMAG 380 is particularly well suited for MIG/MAG and flux cored wire welding in the widest range of structural and alloy steel applications. MMA welding functionality is also available for electrode diameters up to 5 mm.

DIGIMAG 380



Easy to adjust:

- Synergic mode or not

Select the:

- The couple wire /gas
- The wire diameter
- The welding cycle

Welding performances:

- Mixed gas and CO₂
- Complete welding cycle
 - pre-welding step
 - welding
 - crater filler
- Constant penetration function
- Adjustment of the welding arc
 - more soft or more strong
- Memorization
 - 30 welding programs
- MMA welding
- Configured for simple automated applications



DV500

- 4 rollers
- 2 displays
- Regulated wire feed speed
- Selection of the program number
- Gas test and inching wire

Easy to adjust:

- SYNERGIC MODE
 - one knob for the energy and the other for the fine adjustment
- CONVENTIONAL MODE
 - one knob for the welding current and the other for voltage



COOLER III

Powerful cooling unit for an efficient water cooling of the torches.

- Light (10 kg)
- Visible liquid level



Configurations - Ordering information

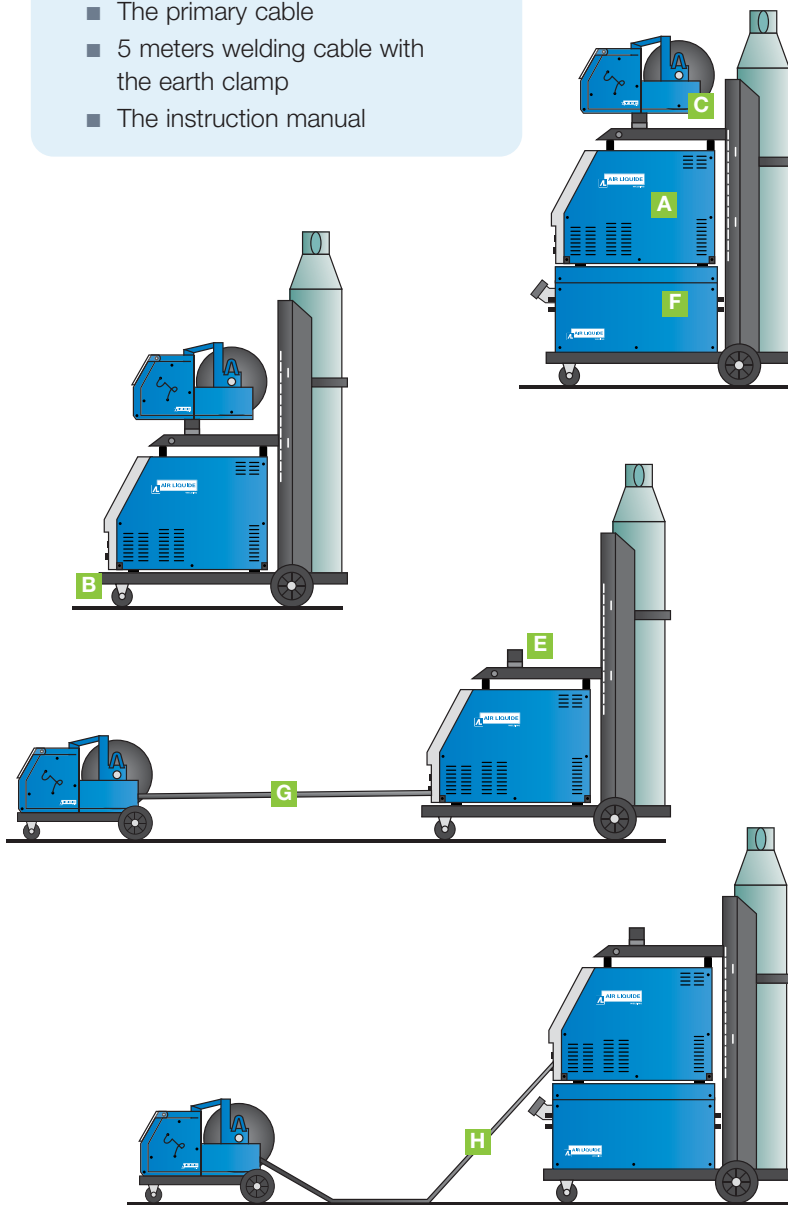


- **Digital control to reduce spatter:** -15% compared to transformer machine*
- **Adjustable arc characteristic:** hard for stable arc and **fast welding**, soft for **less spatter**.
- **Improved arc start** through Digital Start and Anti-stick, **+20% good Striking***.
- **Constant penetration function:** Compensate unwanted movement of the torch: Keep constant penetration for movement from 20 – 40 mm*, to avoid incomplete fusion and holes.

The modularity of the DIGIMAG 380 installation allows to make up different welding configurations.

The power source is delivered with:

- The primary cable
- 5 meters welding cable with the earth clamp
- The instruction manual



To order

A	DIGIMAG 380 power source	W 000 272 361
B	Power source trolley	W 000 272 365
C	DV 500 wire feeder	W 000 272 362
D	Wire feeder trolley	W 000 267 595
E	Pivot adaptor	W 000 274 267
F	COOLER III cooling unit	W 000 272 366
G	Air harness 2 m long	W 000 055 088
G	Air harness 5 m long	W 000 055 089
G	Air harness 10 m long	W 000 055 090
G	Air harness 25 m long	W 000 272 371
H	Water harness 2 m long	W 000 055 091
H	Water harness 5 m long	W 000 055 092
H	Water harness 10 m long	W 000 055 093
H	Water harness 15 m long	W 000 055 094
I	BB box remote control 10 m	W 000 305 112
J	Flowmeter	W 000 267 596
Welding torches		
	PROMIG 341 - 4 m long	W 000 345 067
	PROMIG 341 W - 4 m long	W 000 345 070
	PROMIG 441 - 4 m long	W 000 345 073
	PROMIG 441 W - 4 m long	W 000 345 076

* Value relative to laboratory test and not contractual.

** Needed to stack wire feeder on trolley.

For other choice, please consult our general catalogue.

Technical Specifications



Power source

DIGIMAG 380	
Primary	
Power Supply - 3 Phases - 50/60 Hz	400 V (+/-) 15%
Maximum primary consumption	16.4 kVA
Secondary	
No load voltage	58 V
Welding current range	30 A - 400 A
Duty cycle at 50%	380 A
Duty cycle at 60%	350 A
Duty cycle at 100%	270 A
General	
Standard	EN 60974-1 - EN 60974-10
Protection index-insulation class	IP 21 - H
Dimensions (L x l x h)	640 x 250 x 428 mm
Weight	31 kg

Wire feeder

DV 500	
Numbers of rollers	4
Wire feed rate	1 to 18 m/min
Steel - stainless steel	0.8 to 1.2 mm
Flux cored wire	1.0 to 1.2 mm (event 1.6 mm)
Aluminium	1.0 to 1.2 mm
Dimensions (L x l x h)	630 x 210 x 425 mm
Weight	16 kg
Standard	EN 60974-5 - EN60974-10
Protection index-insulation class	IP 23S - H

Cooling unit

COOLER III	
Power Supply - 3 Phases - 50/60 Hz	400 V
Cooling power	2.2 kW
Maxi flow	8 l/min
Dimensions (L x l x h)	640 x 250 x 300 mm
Weight	10 kg





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