

## MIDI MIG 300 DC G W

Multi-purpose welding system



MIDI MIG 300 DC G (gas-cooled)

### COMES WITH NUMEROUS REFERENCES FROM THE AUTOMOTIVE INDUSTRY.

- Low-spatter soldering of hot-dip galvanised and electrolytically galvanised sheet metal
- Excellent gap bridging capacity
- Reduced weld penetration with higher gun feed rate
- Minimal spatter formation
- Improved droplet separation
- Outstanding welding quality
- Maximum reproducibility and setting accuracy
- Can be used for manual and mechanical welding
- DUAL-pulse process (scaling)
- Maximum process reliability thanks to the ELMA-Tech static/dynamic control system
- Display with single-button operation
- Clear presentation of process parameters
- Retrieval of welding parameters from the integrated welding database
- Storage of up to 99 customised welding programs
- USB interface for data storage and transfer (cloning) as standard



### OPTIONALLY ALSO WITH THE DV 39 EXTERNAL WIRE FEEDER

DV 39 wire feeder  
Dimensions: 650 x 290 x 400 mm  
Weight: 14 kg

## APPLICATIONS

Special-purpose vehicles and mechanical engineering | Aerospace | Shipbuilding, Offshore

Automotive and supplier industry | Plant, container, machinery and steel construction | Rail vehicles

Maintenance, rework and repairs | Industrial plants, pipeline construction and assembly

## MIDI MIG 300 DC

### Technical information

Machines from the ELMA-MIDI generation are all equipped with a database as standard, which contains practically all welding properties for every current welding method and process type, including all the necessary welding parameters. Operators can set their machine for specific tasks by means of single-button control in next to no time at all. Examples here include welding a wide variety of materials such as steel, aluminium, magnesium or surface-coated sheet metal.



MIDI MIG 300 DC G (gas-cooled)



MIDI MIG 300 DC W (water-cooled)

## TECHNICAL INFORMATION

### Welding performance

Setting range from  
(infinitely variable) to  
max. pulse current

10 A / 14,5 V - 300 A / 29 V - 800 A

Open circuit voltage  
(approximately)

85 V DC

### Connection data

Mains voltage

3x400 V, 50 Hz

Fuse (slow-blow)

16 A

Protection class

IP 23

Dimensions

500 x 340 x 600 mm (G)  
760 x 340 x 600 mm (W)

Weight

60 kg (G) / 78 kg (W)

## STANDARD EQUIPMENT

- Gas cooling / water cooling
- MIG welding torch (3 m)
- Pressure reducers, earth lead 5 m
- 1.5 m gas hose, basket coil carrier
- Polyamide core 2 x 4 for 4 m
- Trolley with gas bottle holder

## WELDING PROCESSES

- MIG DC pulsed arc welding
- MIG / MAG welding
- DUAL-pulse welding
- MIG-soldering

Subject to technical and substantive alterations.