



## TELWIN ELECTROMIG 450 SYNERGIC 230V/400V AQUA

Reference: 816191

### TELWIN ELECTROMIG 450 SYNERGIC 230V/400V AQUA

TELWIN ELECTROMIG 450 SYNERGIC is an inverter multi-process MIG-MAG/ FLUX/ BRAZING/ MMA and TIG DC-Lift weld controlled by microprocessor, with 4-roller wire feeder.

TELWIN ELECTROMIG 450 SYNERGIC is able to give you an incredible flexibility of use, with different materials (steel, stainless steel, aluminum) or brazed (galvanized sheets).

The wide variety of fields of application of the TELWIN ELECTROMIG 450 machine gives you the possibility to work efficiently, in the industrial sector, in maintenance, from installation to bodywork. The synergic adjustment makes the product easy to use. The ATC technology, Made in Telwin, makes it very easy to obtain excellent welds on thin thicknesses thanks to advanced arc control.

General characteristics of the TELWIN ELECTROMIG 450 SYNERGIC:

- Manual and synergic operation;
- 40 pre-set synergic curves;
- Possibility of creating, saving and recalling custom programs;
- MIG-MAG adjustments: wire rise ramp, electronic reactance, final wire burn back time, post gas;
- Selection of 2/4 time operation, Bi-Level, spot, inch and mm material thickness;
- Adjustments in MMA: hot start, arc force, anti-stick;
- VRD selection;
- Protections: thermostatic, over-voltage, under-voltage, over-current, moto-generator (+/-15%);
- TIG Lift.

#### TECHNICAL FEATURES TELWIN ELECTROMIG 450 SYNERGIC 230V/400V AQUA

Phase Type: Single Phase / Three Phase  
Main Voltage: 230 / 400 V  
Power Factor (cos?): 0.9  
Frequency: 50 / 60 Hz  
Current Range: 20 - 320 / 20 - 400 A  
Max DC (EN 60974-1): 320 @ 25% / 400 @ 30% A  
DC current: 200 / 270 A  
Max no-load voltage: 106 / 73 V  
Max current draw: 33 / 25 A  
Max current draw at 60% - MAX: 17 / 15 A  
Steel weld diameter: 0.6 - 2 mm  
DC electrode diameter: 1.6 - 8 mm  
Welding diameter STAINLESS STEEL: 0.8 - 2 mm  
Welding diameter aluminum: 0.8 - 1.6 mm

Cored welding diameter 1 - 2 mm  
 Basing diameter: 0.8 - 1.2 mm  
 Guard of protection: IP23  
 Power consumption at 60%: 6.4 / 9.4 kW  
 Max power consumption: 12.6 / 16.5 kW  
 Efficiency: 89 %  
 Width: 1030 mm  
 Depth: 510 mm  
 Height: 1450 mm  
 Weight: 85 kg

Looking for a welding machine with different technical features? [Here](#) you can find the whole range of TELWIN welding machines or other specialized brands.

Images and technical data are not binding.

## Technical Sheet

Phase	Single phase / Three phase
Frequency (Hz)	50 / 60
Voltage (V)	230 / 400
Efficiency (%)	89
Protection degree	IP23
No-load voltage (V)	106 / 73
Regulation current (A)	20 - 320 / 20 - 400
Diameter electrodes (mm)	1.6 - 8
Ø steel welding wire (mm)	0.6 - 2
Ø inox welding wire (mm)	0.8 - 2
Ø aluminium welding wire (mm)	0.8 - 1.6
Ø flux cored welding wire (mm)	1 - 1.2
Ø brazing wire (mm)	0.8 - 1.2
Type of welding	Multiprocess
MIG-MAG welding	MIG-MAG/FLUX/BRAZING
Current max (A)	320 / 400
Length (mm)	1030
Width (mm)	510
Height (mm)	1450
Voltage regulator	Inverter
Weight (Kg)	85