



## HELVI FLEXY 160

Reference: 99805987

### HELVI FLEXY160 Welding machine

HELVI FLEXY160 is a single-phase inverter welding machine designed to be powered by any power line with voltages between 90 V and 270 V. Thanks to the FLEX-LINE system, the HELVI FLEXY160 welding machine automatically recognises the input voltage (110 V or 220 V). HELVI FLEXY160 is equipped with a PFC system, which ensures excellent efficiency allowing welding with high currents and low absorption.

HELVI FLEXY160 is a single-phase welding machine with 115 V or 230 V power supply and 50/60 Hz frequency. The HELVI FLEXY160 welder has a nominal power rating of 60% of 2700 W at 115 V and 2900 W at 230 V for a maximum current of 100 A at 115 V and 160 A at 230 V.

The HELVI FLEXY160 welding machine is designed for MMA and TIG welding with electrodes with diameters ranging from 1.6 mm to 3.25 mm at 115 V and from 1.6 mm to 4 mm at 230 V.

The no-load voltage of the HELVI FLEXY160 welding machine is 55 V and has a current regulation from 10 A up to 100 A at 115 V and from 10 A up to 160 A at 230 V.

The HELVI FLEXY160 welder has H insulation and IP22S protection rating.

HELVI FLEXY160 is very compact and extremely light thanks to its weight of about 6 Kg as well as comfortable to carry thanks to the handle.

HELVI FLEXY160 is sold in a case where inside, in addition to the welding machine, you can find it:

- 16 mm<sup>2</sup> ground cable for a length of 2 metres;
- 16 mm<sup>2</sup> welding cable for a length of 3 metres;
- Welding mask;
- Glasses kit;
- Hammer/brush.

#### Technical characteristics of the HELVI FLEXY160 welding machine:

Phase type: Single-phase

Frequency: 50/60 Hz

Voltage: 115 V / 230 V

Power: 2700 W (115 V) / 2900 W (230 V)

Type of welding: MMA / TIG

Open-circuit voltage: 55 V

Current regulation: 10 - 100 A (115 V) / 10 - 160 A (230 V)

Duty cycle at 40°: 100 A at 30% - 80 A at 60% (115 V) / 160 A at 25% - 105 A at 60% (230 V)

Maximum current: 100 A (115 V) / 160 A (230 V)

Electrode diameter: 1.6 - 3.25 mm (115 V) / 1.6 - 4 mm (230 V)

Electrode type: 6013 - 7018

Insulation: H

Degree of protection: IP22S

Length: 410 mm

Width: 140 mm

Height: 245 mm  
Weight: 6.6 Kg

If instead you are looking for another product similar to the HELVI FLEXY160 welding inverter, then we recommend you look at the entire range dedicated to welding machines.

Images and technical data are not binding.

## Technical Sheet

Phase	Single phase
Frequency (Hz)	50 / 60
Voltage (V)	115 / 230
Protection degree	IP22S
Power (W)	2700 (115 V) / 2900 (230 V)
Motor insulation class	H
No-load voltage (V)	55
Regulation current (A)	10 - 100 (115 V) / 10 - 160 (230 V)
Welding current (A)	100 at 30% - 80 at 60% (115 V) / 160 at 25% - 105 at 60% (230 V)
Diameter electrodes (mm)	1.6 - 3.25 (115 V) / 1.6 - 4 (230 V)
Type of welding	MMA / MIG
Current max (A)	100 (115 V) / 160 (230 V)
Length (mm)	410
Width (mm)	140
Height (mm)	245
Product type	Welding machine
Weight (Kg)	6.6