



HELVI FOX 185

Reference: 99820039A

HELVI FOX185 Welding machine

HELVI FOX185 is a multi-process welding machine for MMA, TIG and MIG welding. HELVI FOX185 is a welding machine that can weld steel, stainless steel, aluminium, flux cored welding wire and brazing wire.

The main features of the HELVI FOX185 are:

- Inverter technology
- Automatically compensates for power grid imbalances
- Lightness and versatility
- Convenient patented torch and cable holder compartment
- Easy adjustment thanks to reference scales
- Excellent results even for inexperienced welders
- Suitable for use with generator

HELVI FOX185 is the top model in its range, which in addition to incorporating all the features of the other models, offers improvements that make it unique in its reference segment. New synergic mode that allows to adjust the thickness of the material to be welded making the machine setting fast and intuitive. HELVI FOX185 is also equipped with Flex-line technology that guarantees a high power factor and a high energy saving of 35% (compared to a traditional inverter). Finally, HELVI FOX185 has two digital displays that facilitate welding settings and parameter reading.

HELVI FOX185 is a single-phase welding machine with 115 V and 230 V power supply and 50/60 Hz frequency. The HELVI FOX185 welder has a nominal power rating of 60% of 1900 VA at 115 V and 2800 VA at 230 V for a maximum current of 120 A at 115 V and 180 A at 230 V.

The HELVI FOX185 welding machine is designed for MMA, TIG and MIG welding with electrodes ranging from 1,6 mm to 3,25 mm in diameter and for wires of different materials:

- steel (diameter from 0,8 mm to 1 mm)
- stainless steel (diameter from 0,8 mm to 1 mm)
- aluminium (diameter from 0,8 mm to 1 mm)
- brazing (diameter from 0,8 mm to 1 mm)

The no-load voltage of the HELVI FOX185 welding machine is 80 V in MMA at 115/230 V, then 9,5 V in TIG at 115/230 V and 60 V in MIG at 115/230 V.

The HELVI FOX185 welder has H insulation and IP22S protection rating.

HELVI FOX185 is very compact and comfortable to transport thanks to its light weight of about 12 Kg and the comfortable handle.

Technical characteristics of the HELVI FOX185 welding machine:

Phase type: Single-phase

Frequency: 50/60 Hz

Voltage: 230 V

Power: 1900 VA

Type of welding: Multiprocess
 Open-circuit voltage: 54 V (MMA) / 24 V (MIG)
 Current regulation: 20 - 150 A (MMA) / 25 - 150 A (MIG)
 Duty cycle at 40°: 100 A at 40% - 65 A at 100% (MMA) / 150 A at 25% - 75 A at 100% (MMA)
 Maximum current: 150 A
 Steel welding wire diameter: 0.6 - 1 mm
 Stainless steel welding wire diameter: 0.8 - 1 mm
 Flux cored welding rod diameter: 0.9 mm
 Brazing wire diameter: 0.8 - 1 mm
 Electrode diameter: 1.6 - 3.25 mm
 Electrode type: 6013 - 7018 - CrNi
 Insulation: H
 Degree of protection: IP22S
 Length: 480 mm
 Width: 220 mm
 Height: 385 mm
 Weight: 10.5 Kg

If instead you are looking for another product similar to the HELVI FOX185 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 (VA)	1900 (115 V) / 2800 (230 V)
Motor insulation class	H
No-load voltage (V)	80 (MMA) / 9.5 (TIG) / 60 (MIG)
Regulation current (A)	20 - 100 (MMA 115 V) - 5 - 110 (TIG 115 V) - 25 - 120 (MIG 115 V) / 20 - 170 (MMA 230 V) - 5 - 170 (TIG 230 V) - 25 - 170 (MIG 230 V)
Welding current (A)	100 at 40% - 65 at 100% (MMA 115 V) - 110 at 40% - 70 at 100% (TIG 115 V) - 120 at 40% - 75 at 100% (MIG 115 V) / 170 at 25% - 110 at 60% (MMA 230 V) - 170 at 25% - 110 at 60% (TIG 230 V) - 170 at 25% - 110 at 60% - 85 at 100% (MIG 230 V)
Diameter electrodes (mm)	1 - 3.5
Ø steel welding wire (mm)	0.8 - 1
Ø inox welding wire (mm)	0.8 - 1
Ø aluminium welding wire (mm)	0.8 - 1
Ø flux cored welding wire (mm)	0.8 - 1
Ø brazing wire (mm)	0.8 - 1
Type of welding	Multiprocess
Current max (A)	120 (115 V) / 170 (230 V)

Length (mm)	480
Width (mm)	220
Height (mm)	
Product type	Welding machine
Weight (Kg)	12
