

FANMIG 507 JWP MOST powered by JASIC



Inverter MIG/MAG semiautomatic welding machine for industrial applications

The FANMIG 507 JWP is a modern inverter welding machine for MIG/MAG designed for operation in demanding industrial conditions. The device is equipped with a dedicated four-roll wire feeder FANFEED 22 W, an LC-60 liquid cooler, and an advanced control system enabling synergistic and manual operation.

The power source allows welding using MIG/MAG, MMA, and Lift TIG DC (strike by friction). Thanks to an extensive base of synergistic programs, parameter memory, and remote control options, the device ensures high efficiency and repeatability of the welding process.

Applications:

- steel structures
- machinery and equipment manufacturing
- heavy industry
- tank production
- shipbuilding industry
- repairs and maintenance

Key advantages of the FANMIG 507 JWP:

- MIG/MAG welding with synergic or manual settings
- Duty cycle 500 A at 40% and 316 A at 100%
- Synergic programs for structural steel, stainless steel, aluminum, and flux-cored wires
- Intuitive LED control panels on the power source (main) and the wire feeder (work)
- 4-roll wire drive, all rolls driven (4R)
- Memory for 10 programs for each welding method
- Crater fill function
- Inductance adjustment
- Burn Back function
- VRD function for MMA
- Intelligent fan control
- Software updates via USB-C
- Feeder interior lighting
- Spare parts compartment
- Interconnection cable with strain relief
- LC-60 water cooler with illuminated fluid level; drain valve at the bottom for replacing used coolant
- Spool housing with viewing window for remaining wire

FANFEED 22 W wire feeder:

Parameter	Value
Number of drive rolls	4
Wire feed speed	2–24 m/min
Wire diameters	0,6 / 0,8 / 1,0 / 1,2 / 1,6 mm
Spool type	D300 up to 15 kg
Torch connection	EURO
Protection class	IP23S
Weight	17 kg



Technical specifications:

Parameter	FANMIG 507 JWP
Welding methods	MIG/MAG, MMA, Lift TIG DC
Power supply	3 × 400 V ± 15%, 50/60 Hz
Mains fuse	32 A
MIG/MAG current range	30–500 A
MMA current range	20–500 A
Lift TIG current range	20–500 A
MIG/MAG duty cycle	500 A / 40%, 408 A / 60%, 316 A / 100%
Open-circuit voltage	78 V
Power factor	0,94
Efficiency	90,9%
Idle power consumption	30 W
Insulation class	H
Protection class	IP23S
EMC compatibility class	A
Power source dimensions	660 × 280 × 570 mm
Power source weight	30 kg
Product code	51 00 023780

LC-60 water cooler

Parameter	Value
Cooling capacity	1,5 kW
Tank capacity	6,5 l
Maximum pressure	0,42 MPa
Maximum flow rate	5 l/min
Protection class	IP23S
Product code	51 00 0023780

The unit is equipped with synergic programs for:

- structural steel Ar/CO₂
- structural steel with ternary gas mixtures
- stainless steel
- aluminum
- flux-cored wires under gas shield
- self-shielded flux-cored wires

Standard equipment:

The device is delivered in a wooden case containing the power source with the LC-60 cooler on a shared cart and an Interconnection cable 5 meters long, along with the FANFEED 22 W feeder in a separate box. The feeder is equipped with rolls for 1.0 -1.2 mm wires for steel – other rolls see optional equipment. The LC-60 cooler is empty, it needs to be filled with COOL 30 MOST liquid (product code 84 23 903105), a 5-liter canister is included in the delivery. The power supply cable 5 meters long is terminated with a 32 PCE plug, the ground cable with a crosssection of 70 mm² is 4 meters long. Additionally, a nozzle and intermediary tube of the feeding mechanism for aluminum wires are included.

Optional accessories:

■ Roll 0.8 – 1.0 mm V (steel)*	51 13 007834
■ Roll 1.0 – 1.2 mm V (steel)*	51 13 007835
■ Roll 1.2 – 1.6 mm V (steel)*	51 13 007961
■ Roll 1.0 – 1.2 mm U (aluminum)*	51 13 007874
■ Roll 1.2 – 1.6 mm R (flux-cored wires)*	51 13 007965
■ Interconnection cable assembly 10 meters	51 13 001001
■ M5W MOST welding torch 3 m	55 08 305110
■ M5W MOST welding torch 4 m	55 08 305111
■ M5W MOST welding torch 5 m	55 08 305112
■ M501 SGRIP welding torch 3 m	55 08 305013
■ M501 SGRIP welding torch 4 m	55 08 305014
■ M501 SGRIP welding torch 5 m	55 08 305015
■ Coolant Cool30 MOST	84 23 903105

*A complete set of feeder rolls comprises 4 pieces.



The device meets the requirements of the Ecodesign Directive 2009/125/EC and Commission Regulation (EU) 2019/1784.