

IMS MULTIWELD FV 220M

WELDING MACHINE MMA / MIG-MAG INVERTER - 30 → 220 A

Ref. 066809



The MULTIWELD FV 220M is a single-phase welding machine, combining MIG/MAG, cored wire and MMA welding processes. It operates on a supply voltage between 85 and 265 V thanks to its FV (Flexible Voltage) power supply. Its intuitive interface integrates two digital displays offering simple and accurate settings. Fitted with an accurate and powerful 4 drive roll feeding system, offering welding quality even on aluminium.

MULTIPROCESS

- **MIG/MAG welding :**
 - steel wire: Ø 0.6 to 1.0 mm
 - stainless steel wire: Ø 0.8 to 1.0 mm
 - aluminium wire: Ø 0.8 and 1.0 mm
 - cored wire (reverse polarity): Ø 0.9 to 1.2 mm
- **MMA welding:** basic and rutile electrodes (up to Ø 5 mm).

OPTIMISED MIG/MAG SETTINGS

- **Choice of the trigger mode:** 2T or 4T.
- **Welding guide:** tables assist the user to adjust and fine tune the voltage and the diameter of the filler wire according to the thickness of material being welded.

INTUITIVE

- **Display readable** even in bright light.
- **Simple user interface** with ergonomic controls allowing gloved use.

INTEGRATED WIRE FEEDER

- Compatible with reels : Ø 200 / 300 mm
- Wire feeder with 4 rollers for an efficient wire feeding.
- EURO torch connector for quick assembly/disassembly.

PRE-HEATING, PURE CO2

- Pre-installed socket (36 V - 4.2 A) for gas heater in pure CO2 welding (heater not included).
- Compatible with US (type A) and EURO electrical sockets (type C/E/F).

ROBUST

- IP 23 classification for outside use.
- Accepts very long extension cords (100 m).
- Reinforced wheels for better stability and easier transportation.
- Support for gas cylinder up to 4 m³ (20L).
- Protected against overvoltage up to 400 V (PROTEC 400).

ACCESSORIES (options)

Welding kit for cored wire
Ø 0.9/1.0 & 1.2 mm
072336

+ 042346 (x1)

Consumables box
MB25 (250 A)
041233

Drive rolls type A

Steel / Stainless steel	Ø 0.6 / 0.8 Ø 0.8 / 1.0	042339 041189
Aluminium	Ø 0.8 / 1.0	041196
Cored wire	Ø 0.9 / 1.2	042346

Regulator

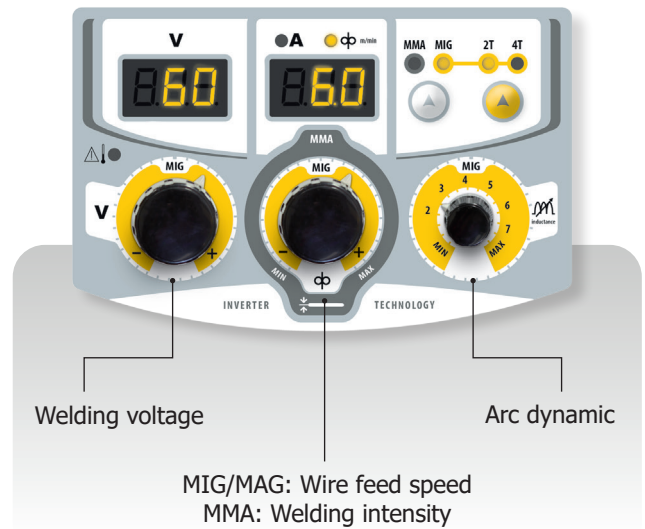
30 l/min

041622
041219
041646



Supplied with

- MIG25 - 3 m
- 2.5 m - 25 mm²
- 2 m - 25 mm²



50/60 Hz	A	I ₂ MMA	I ₂ MIG	Ø mm		200	300	Ø mm	Electronic Control	m/min	équipé d'origine / original equipment / originalausstattung / equipamiento de fabrica	MIG-MAG		MMA		U ₀	cm	kg	IP	Protected & compatible power generator (+/-15%)
				EN 60974-1 (40°C)	IA (60%)							100%	EN 60974-1 (40°C)	IA (60%)	100%					
230 V 1~	16	30 → 200	30 → 220	0.6	0.9	✓	✓	1.6 → 5	⊕	2 → 15	0.8	160 A	120 A	140 A	100 A	75	77 x 79 x 47	32	IP 23	9 kW
110 V 1~	32	30 → 120	30 → 140	1.0	1.2			1.6 → 3.2	⊕	2 → 11	1.0	110 A	90 A	100 A	80 A	67				