

# FastMig M Synergic



## BENEFITS

- Increased welding speed, penetration, quality, and ease of use with WiseFusion.
- WisePenetration application software delivers consistent power to the weld pool regardless of distance changes and deviations between the welding gun nozzle and work piece, reducing welding defects and parameter adjustments
- Modular design in both hardware and software provides endless process solutions and choice, increasing equipment efficiency and utilization across a wide range of demanding industrial applications
- Excellent and unique distance and access solutions, SuperSnake GT02 sub feeder, providing wire feeding up to 25 m from the wire feeding cabinet and allowing up to 60 m distance welding from the FastMig M power source.

## TECHNICAL SPECIFICATIONS

### FastMig M 420 Power source

Product code	6132420
Connection voltage 3~ 50/60 Hz	400 V -15...+20%
Fuse (delayed)	35A
Minimum generator power	20kVA (60%) 18kVA (100%)
Welding range	U <sub>0</sub> = 50 - 58 V
Output 60% ED	420 A
Output 100% ED	380 A
Rated power 60% ED	20 KVA
Rated power 100% ED	18 kVA
Max. welding voltage	45 V
Open circuit voltage MMA	U <sub>0</sub> = 48 – 53 V, U <sub>av</sub> = 50 V
Open circuit voltage MIG/MAG	U <sub>0</sub> = 80–98V
Welding current and voltage range, Stick (MMA)	15 A/20 V – 420 A/44 V
Idle power	25 W
Efficiency at max. current	89 %
Power factor at max. current	0.87
Welding current and voltage range, MIG	20 A/12 V – 420 A/44 V
Operating temperature range	-20 ... +40 °C
External dimensions LxWxH	590 × 230 × 430 mm

**FastMig M 420 Power source**

Weight (no accessories)	35 kg
Degree of protection	IP23S
Standards	IEC 60974-1, IEC 60974-5, IEC 60974-10
Storage temperature range	-40 ... +60 °C

**MXF 65 EL Wire feeder**

Product code	6152100EL
Output 60% ED	520 A
Output 100% ED	440 A
Wire feed mechanism	4-roll
Filler wires, Ss	0.6 – 1.6 mm
Filler wires, Al	1.0 – 2.4 mm
Filler wires, Fe	0.6 – 1.6 mm
Wire feed speed	0 – 25 m/min
Diameter of feed rolls	32 mm
Filler wires, Cored wire	0.8 – 2.0 mm
Wire spool weight, max.	20 kg
Wire spool diameter, max.	300 mm
External dimensions	620 × 210 × 445 mm
Weight	11.1 kg

**FastCool 10**

Product code	6068100
Cooling liquid	20% – 40 % etanol/water
Operating voltage	400V -15%...+20%
Connection capacity	250 W (100 %)
Start pressure, max	0.4 MPa
Operating temperature range	-20 ... +40 °C
Degree of protection	IP23S
Tank volume	ca. 3 l
External dimensions	570 x 230 x 280 mm
EMC class	A
Cooling power	1 kW
Storage temperature range	-40 ... +60 °C
Weight	11 kg

**FastMig MS 300 control panel**

Product code	6136400
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