

# FastMig M Regular



## TECHNICAL SPECIFICATIONS

POWER SOURCES	FastMig M 320 Power source	FastMig M 420 Power source	FastMig M 520 Power source
Product code	6132320	6132420	6132520
Connection voltage 3~ 50/60 Hz	400 V -15...+20%	400 V -15...+20%	400 V -15...+20%
Fuse (delayed)	25 A	35A	35A
Minimum generator power	15 kVA (100%)	20kVA (60%) 18kVA (100%)	27kVA (60%) 20kVA (100%)
Welding range	MMA - 15 A/20 V – 320 A/45 V MIG 20 A/12 V – 320 A/45 V	U <sub>0</sub> = 50 - 58 V	
Output 60% ED		420 A	520 A
Output 100% ED	320 A	380 A	430 A
Output (MMA)			520A/43V (100%)
Rated power 60% ED		20 KVA	27 KVA
Rated power 100% ED	15 kVA	18 kVA	20 kVA
Max. welding voltage	45 V	45 V	
Open circuit voltage MMA	U <sub>0</sub> = 48 – 53 V U <sub>av</sub> = 50 V	U <sub>0</sub> = 48 – 53 V, U <sub>av</sub> = 50 V	U <sub>0</sub> = 48 – 53 V U <sub>av</sub> = 50 V
Open circuit voltage MIG/MAG	U <sub>0</sub> = 50 - 58 V	U <sub>0</sub> = 50 – 58 V	U <sub>0</sub> = 50 - 58 V
Welding current and voltage range, Stick (MMA)	15 A/20V – 320 A/45 V	15 A/20 V – 420 A/44 V	15 A/20 V – 520 A/43 V
Idle power	25 W	25 W	25 W
Efficiency at max. current	88%	89 %	89%
Power factor at max. current	0.80	0.87	0.90
Welding current and voltage range, MIG	20 A/12 V – 320 A/45 V	20 A/12 V – 420 A/44 V	20 A/12 V – 520 A/43 V
Operating temperature range	-20 ... +40 °C	-20 ... +40 °C	-20 ... +40 °C
External dimensions LxWxH	590 × 230 × 430 mm	590 × 230 × 430 mm	590 × 230 × 430 mm
Weight (no accessories)	34 kg	35 kg	36 kg
Degree of protection	IP23S	IP23S	IP23S

POWER SOURCES	FastMig M 320 Power source	FastMig M 420 Power source	FastMig M 520 Power source
Standards	IEC 60974-1, IEC 60974-5, IEC 60974-10	IEC 60974-1, IEC 60974-5, IEC 60974-10	IEC 60974-1, IEC 60974-5, IEC 60974-10
Storage temperature range	-40 ... +60 °C	-40 ... +60 °C	-40 ... +60 °C

MULTI-VOLTAGE POWER SOURCES	FastMig M 420 (400 V) MV Power source	FastMig M 420 (230 V) MV Power source
Product code	6132423	6132423
Connection voltage 3~ 50/60 Hz	380 V -10%...440 V +10%	220 V -10%...230 V +10%
Fuse (delayed)	35A	50A
Minimum generator power	22 kVA (60%) 19 kVA (100%)	21 kVA (60%) 18 kVA (100%)
Welding range	U0 = 53 - 58 V	U0 = 60 - 65 V
Output	420 A (60%)	420 A (60%)
Open circuit voltage	U0 = 48...53 V Uav = 50 V	U0 = 48...53 V Uav = 50 V
Operating temperature range	-20...+40 °C	-20...+40 °C
External dimensions LxWxH	590 × 230 × 580 mm	590 × 230 × 580 mm
Weight (no accessories)	49 kg	49 kg
Degree of protection	IP23S	IP23S
Standards	IEC 60974-1, IEC 60974-5, IEC 60974-10	IEC 60974-1, IEC 60974-5, IEC 60974-10

WIRE FEEDERS	MXF 67 Wire feeder	MXF 65 Wire feeder	MXF 63 Wire feeder
Product code	6152200	6152100	6152300
Output	520 A (60%)	520 A (60%)	520 A (60%)
Wire feed mechanism	4 - roll	4 - roll	4 - roll
Wire feed speed adjustment	0 – 25 m/min	0 – 25 m/min	0 – 25 m/min
Gun connection	Euro	Euro	Euro
Filler wire sizes (Fe solid)	0.6 – 1.6 mm	0.6 – 1.6 mm	0.6 – 1.6 mm
Filler wire sizes (Fe cored)	0.8 – 2.0 mm	0.8 – 2.0 mm	0.8 – 1.6 mm
Filler wire sizes (Ss)	0.6 – 1.6 mm	0.6 – 1.6 mm	0.6 – 1.6 mm
Filler wire sizes (Al)	1.0 – 2.4 mm	1.0 – 2.4 mm	1.0 – 1.6 mm
Operating temperature range	-20 ... +40 °C	-20 ... +40 °C	-20 ... +40 °C
External dimensions LxWxH	625 × 243 × 476 mm	620 × 210 × 445 mm	510 × 200 × 310 mm
Degree of protection	IP23S	IP23S	IP23S
Standards	IEC 60974-5	IEC 60974-5	IEC 60974-5
Wire spool weight, max.	20 kg	20 kg	5 kg
Weight (empty)	12.5 kg	11.1 kg	9.4 kg
Wire spool diameter, max.	300 mm	300 mm	200 mm

**COOLING UNIT: 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

**COOLING UNIT: FastCool 10**

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