

FastMig M

TOP WELDING PERFORMANCE FOR INDUSTRIAL MIG/MAG
WELDING





TECHNICAL SPECIFICATIONS

POWER SOURCES

FastMig M 320 Power source

Product code	6132320
Connection voltage 3~ 50/60 Hz	400 V -15...+20%
Fuse (delayed)	25 A
Minimum generator power	15 kVA (100%)
Welding range	MMA - 15 A/20 V – 320 A/45 V MIG 20 A/12 V – 320 A/45 V
Output 100% ED	320 A
Rated power 100% ED	15 kVA
Max. welding voltage	45 V
Open circuit voltage MMA	U ₀ = 48 – 53 V U _{av} = 50 V
Open circuit voltage MIG/MAG	U ₀ = 50-58V
Idle power	25 W
Efficiency at max. current	88%
Power factor at max. current	0.80
Welding current and voltage range, MIG	20 A/12 V – 320 A/45 V
Welding current and voltage range, MMA	15 A/20V – 320 A/45 V
Operating temperature range	-20 ... +40 °C -20 ... +40 °C
External dimensions LxWxH	590 × 230 × 430 mm
Weight (no accessories)	34 kg
Degree of protection	IP23S
Standards	IEC 60974-1, IEC 60974-5, IEC 60974-10
Storage temperature range	-40 ... +60 °C



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	MMA - 15 A/20 V – 420 A/44 V MIG 20 A/12 V – 420 A/44 V U ₀ = 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 ₀ = 48 – 53 V, U _{av} = 50 V
Open circuit voltage MIG/MAG	U ₀ = 80–98V
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
Welding current and voltage range, MMA	15 A/20 V – 420 A/44 V
Operating temperature range	-20 ... +40 °C
External dimensions LxWxH	590 × 230 × 430 mm
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



FastMig M 520 Power source

Product code	6132520
Connection voltage 3~ 50/60 Hz	400 V -15...+20%
Fuse (delayed)	35A
Minimum generator power	27kVA (60%) 20kVA (100%)
Output 60% ED	520 A
Output 100% ED	430 A
Output (MMA)	520A/43V (100%)
Rated power 60% ED	27 kVA
Rated power 100% ED	20 kVA
Open circuit voltage MMA	U ₀ = 48 – 53 V U _{av} = 50 V
Open circuit voltage MIG/MAG	U ₀ = 80–98V
Idle power	25 W
Efficiency at max. current	89%
Power factor at max. current	0.90
Welding current and voltage range, MIG	20 A/12 V – 520 A/43 V
Welding current and voltage range, MMA	15 A/20 V – 520 A/43 V
Operating temperature range	-20 ... +40 °C
External dimensions LxWxH	590 × 230 × 430 mm
Weight (no accessories)	36 kg
Degree of protection	IP23S
Standards	IEC 60974-1, IEC 60974-5, IEC 60974-10
Storage temperature range	-40 ... +60 °C

FastMig M 420 (400 V) MV Power source

Product code	6132423
Connection voltage 3~ 50/60 Hz	220 V -10%...440 V +10%
Fuse (delayed)	35A
Minimum generator power	22 kVA (60%) 19 kVA (100%)
Welding range	MMA - 15 A/20 V...420 A/44 V MIG - 20 A/12 V...420 A/44 V U ₀ = 53 - 58 V
Output	380 A (100%) 420 A (60%)
Open circuit voltage	U ₀ = 48...53 V U _{av} = 50 V
Operating temperature range	-20...+40 °C
External dimensions LxWxH	590 × 230 × 580 mm
Weight (no accessories)	49 kg
Degree of protection	IP23S
Standards	IEC 60974-1, IEC 60974-5, IEC 60974-10



WIRE FEEDERS

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

MXF 67 EL Wire feeder

Product code	6152200EL
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	625 × 243 × 476 mm
Weight	12.5 kg



MXF 63 Wire feeder

Product code	6152300
Output	440 A (100%) 520 A (60%)
Wire feed mechanism	4 - roll
Wire feed speed adjustment	0 – 25 m/min
Gun connection	Euro
Filler wire sizes (Fe solid)	0.6 – 1.6 mm
Filler wire sizes (Fe cored)	0.8 – 1.6 mm
Filler wire sizes (Ss)	0.6 – 1.6 mm
Filler wire sizes (Al)	1.0 – 1.6 mm
Operating temperature range	-20 ... +40 °C
External dimensions LxWxH	510 × 200 × 310 mm
Degree of protection	IP23S
Standards	IEC 60974-5
Wire spool weight, max.	5 kg
Weight (empty)	9.4 kg
Wire spool diameter, max.	200 mm

MXF 67 Wire feeder

Product code	6152200
Output	440 A (100%) 520 A (60%)
Wire feed mechanism	4 - roll
Wire feed speed adjustment	0 – 25 m/min
Gun connection	Euro
Filler wire sizes (Fe solid)	0.6 – 1.6 mm
Filler wire sizes (Fe cored)	0.8 – 2.0 mm
Filler wire sizes (Ss)	0.6 – 1.6 mm
Filler wire sizes (Al)	1.0 – 2.4 mm
Operating temperature range	-20 ... +40 °C
External dimensions LxWxH	625 × 243 × 476 mm
Degree of protection	IP23S
Standards	IEC 60974-5
Wire spool weight, max.	20 kg
Weight (empty)	12.5 kg
Wire spool diameter, max.	300 mm



MXF 65 Wire feeder

Product code	6152100
Output	440 A (100%) 520 A (60%)
Wire feed mechanism	4 - roll
Wire feed speed adjustment	0 – 25 m/min
Gun connection	Euro
Filler wire sizes (Fe solid)	0.6 – 1.6 mm
Filler wire sizes (Fe cored)	0.8 – 2.0 mm
Filler wire sizes (Ss)	0.6 – 1.6 mm
Filler wire sizes (Al)	1.0 – 2.4 mm
Operating temperature range	-20 ... +40 °C
External dimensions LxWxH	620 × 210 × 445 mm
Degree of protection	IP23S
Standards	IEC 60974-5
Wire spool weight, max.	20 kg
Weight (empty)	11.1 kg
Wire spool diameter, max.	300 mm

SOFTWARE

WiseFusion

Product code	X5500001 (X5 FastMig) X8500000 (X8 MIG Welder) A7500000 (A7 MIG Welder) 9991014 (FastMig M, FastMig X)
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WisePenetration

Product code	9991000 (FastMig M, FastMigX) A7500001 (A7 MIG Welder)
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WiseRoot

Product code	6265011 (FastMig M)
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WiseThin

Product code	9991013 (FastMig M)
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MatchLog

Product code	9991017
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MatchPIN

Product code	6265026
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PANELS

FastMig MR 200 control panel

Product code	6136100
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FastMig MR 300 control panel

Product code	6136200
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FastMig MS 200 control panel

Product code	6136300
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FastMig MS 300 control panel

Product code	6136400
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ACCESSORIES

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

Earth return cable 5 m, 50 mm²

Product code	6184511
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Earth return cable 5 m, 70 mm²

Product code	6184711
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Cable for Stick (MMA) welding 5 m, 50 mm²

Product code	6184501
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Cable for Stick (MMA) welding 5 m, 70 mm²

Product code	6184701
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Remote control extension cable 10 m

Product code	6185481
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Interconnection cable 1.8 m

Product code	6260401
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Interconnection cable 5 m

Product code	6260405
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Interconnection cable 10 m

Product code	6260326
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Interconnection cable 15 m

Product code	6260325
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Interconnection cable 20 m

Product code	6260327
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Interconnection cable 30 m

Product code	6260330
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Interconnection cable, water cooled 1.8 m

Product code	6260410
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Interconnection cable, water cooled 5 m

Product code	6260407
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Interconnection cable, water cooled 10 m

Product code	6260334
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Interconnection cable, water cooled 15 m

Product code	6260335
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Interconnection cable, water cooled 20 m

Product code	6260337
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Interconnection cable, water cooled 30 m

Product code	6260340
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Remote control R10

Product code	R10, 5 m - 6185409 R10, 10 m - 618540901
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Remote control R20

Product code	R20, 5 m - 6185419 R20, 10 m - 6185419E
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Remote control R30

Product code	R30, 5 m - 6185420 R30, 10 m - 618542001
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GH 30 Gun holder

Product code	6256030
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KV 401 Swing Boom Arm

Product code	6185248
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Gas Guard 200/300

Product code	6237406
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MXF SuperSnake synchronisation kit

Product code	W004030
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PM500

Product code	6185291
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KV 200

Product code	6185249
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KFH 1000

Product code	6185100
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MXF 65 hanging kit

Product code	W001694
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MXF 63 hanging frame

Product code	6185285
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KWF 200/300 cabinet heater

Product code	6185288
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MXF 63 Protection sliders

Product code	6185286
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Remote control RMT10

Product code	6185475
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MatchLog

Product code	9991017
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MatchPIN

Product code	6265026
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Boom WP 6000

Product code	6264026
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Digital Connectivity Module

Product code	6265051
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Kemppi is the pioneering company within the welding industry. It is our role to develop solutions that make you win business. Headquartered in Lahti, Finland, Kemppi employs over 800 welding experts in 17 countries and has a revenue of more than 150 MEUR. Our offering includes welding solutions - intelligent equipment, welding management software and expert services - for both demanding industrial applications and ready-to-weld needs. Local expertise is available via our global partner network covering over 60 countries.

