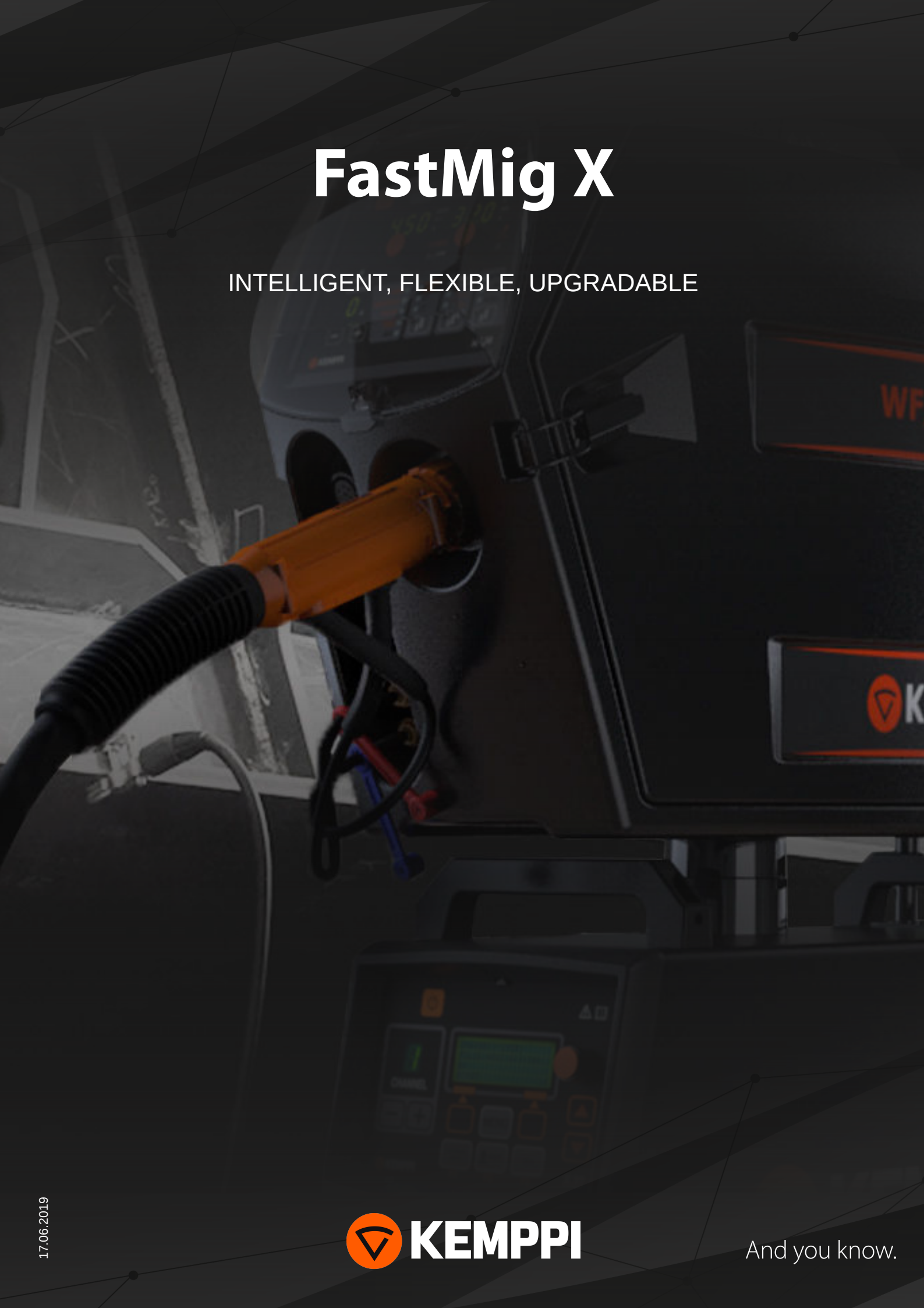
FastMig X

INTELLIGENT, FLEXIBLE, UPGRADABLE



17.06.2019

KEMPPI

And you know.

FastMig X



INTELLIGENT, FLEXIBLE, UPGRADABLE

Kemppi's FastMig X product series offers highly specialized welding solutions and superior welding quality for demanding industrial applications. It features three alternative high-end configuration recommentations for three different purposes: FastMig X Regular for robust workshop use a MIG/MAG pulse welding, mainly for welding thick plates, FastMig X Pipe for pipe and root welding and FastMig X Intelligent for demanding welding applications, for all metals and processes, including welding of thin sheets.

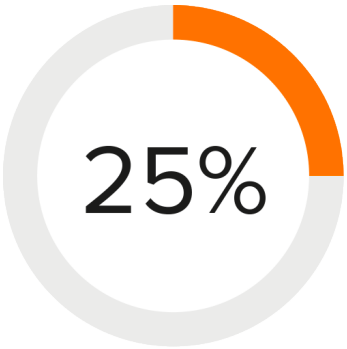
All configurations are equipped with either the FastMig X 350 or the FastMig X 450 power source, which is a multi-process CC/CV power source that is ideal for synergic and pulsed MIG/MAG welding, MMA welding, and TIG welding. Used in configuration with WFX wire feeders, they form a welding system that easily meets every welding need and the quality management requirements of any metal fabrication workshop. Additionally, all three configurations come with the Cool X cooling unit.

KEY BENEFITS



FASTER WELDING

Boost your efficiency by utilizing up to 30 % faster travel speeds with WiseFusion



LOWER HEAT INPUT

Reduce distortion and time consuming straightening work and improve the impact toughness of high strength steels with WiseFusion



BEST REACH ON THE MARKET

Distance and access will no longer be a problem with the SuperSnake subfeeder accessory

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BENEFITS

- Multi-process power solution: MIG, 1-MIG, pulsed MIG, MMA, and TIG
- Arc Mobile Control brings flexible way to use and control the welding machine
- WiseRoot+ for optimized root welding
- WiseThin + for optimized sheet and position welding: Mixed gas quality with lower cost CO2 shielding gas
- Precise arc voltage function measures and shows the actual arc voltage on the display
- Save time by combining two wire feeders on the same power sourcefor alternative filler wires
- SuperSnake subfeeder connectivity for maximum reach

PRODUCT OPTIONS



FastMig X 350 Power source

Provides 350 A with 80% duty cycle. Suitable for generator use.



FastMig X 450 Power source

Provides 450 A with 60% duty cycle. Suitable for generator use.



FastMig X 350 (400 V) MV Power source

FastMig X 350 (400 V) MV power source is a multi-voltage unit for demanding applications and welding.



WFX 200 Wire feeder

For Ø 200 mm wire spools. Strong double-skin plastic casing with a reliable DuraTorque wire feed mechanism. Built-in arc voltage measurement.



WFX 300 Wire feeder

For Ø 200/300 mm wire spools. Strong double-skin plastic casing with a reliable DuraTorque wire feed mechanism. Built-in arc voltage measurement.



WFX 200 P Fe Wire feeder

For steel pipe welding with Ø 200 mm wire spools. Strong double-skin plastic casing with a reliable DuraTorque wire feed mechanism. Built-in arc voltage measurement.



WFX 200 P Ss Wire feeder

For stainless steel pipe welding with Ø 200 mm wire spools. Strong double-skin plastic casing with a reliable DuraTorque wire feed mechanism. Built-in arc voltage measurement.



WFX 300 P Fe Wire feeder

For steel pipe welding with Ø 200/300 mm wire spools. Durable double-skin plastic casing with a strong two-motor GT04 wire feed mechanism. Built-in arc voltage measurement.



WFX 300 P Ss Wire feeder

For stainless steel pipe welding with Ø 200/300 mm wire spools. Durable double-skin plastic casing with a strong two-motor GT04 wire feed mechanism. Built-in arc voltage measurement.



WFX 200 AMC Wire feeder

For welding high-strength steels and aluminum with Ø 200 mm wire spools. Strong double-skin plastic casing with a reliable DuraTorque wire feed mechanism. Built-in arc voltage measurement. Compatible with the ARC Mobile Control app.



WFX 300 AMC Wire feeder

For welding high-strength steels and aluminum with Ø 200/300 mm wire spools. Strong double-skin plastic casing with a reliable DuraTorque wire feed mechanism. Built-in arc voltage measurement. Compatible with the ARC Mobile Control app.



WiseFusion

A welding function that ensures consistent weld quality in all positions by automatically regulating arc length. Creates and maintains an optimal short-circuit characteristic in pulsed MIG/MAG and spray-arc welding.



WiseRoot+

Optimized short arc process for productive root pass welding. Excellent weld quality through control of arc voltage and timing of filler metal droplet transfer. Gives higher speed than MMA, TIG or MIG/MAG short arc welding.



WisePenetration

A welding function for ensured penetration in synergic MIG/MAG welding. Delivers constant power to the weld pool regardless of changes in welding gun orientation or distance between the welding gun and work piece.



WiseThin+

Optimized short arc process suitable for welding sheet metals and thicker plates in position welding, even in case of wider gaps and gap variations. Produces a spatterless arc with precise digital control.

FEATURES



Fully upgradable

All three configuration options are fully upgradable and can be optimized for specific welding applications by choosing suitable software packages and applications.



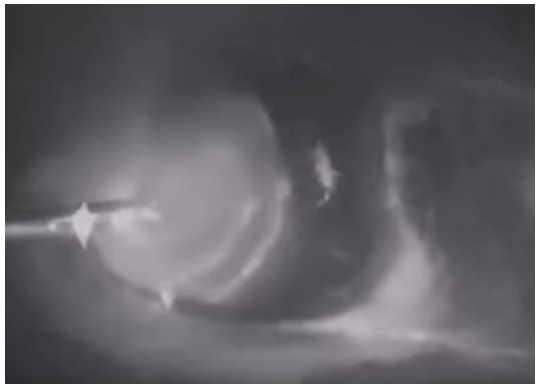
Further flexibility with Wise solutions

The Wise solutions provide further flexibility for specific welding applications: for example, WiseRoot+ meets the special requirements of root welding, and exact arc voltage measurement provides easy and precise control of the device. Arc voltage measurement ensures that the set WPS parameters are always kept, regardless of the length of the welding cables.



Matching high product quality with superior service

FastMig X is fully compatible with the world's most comprehensive welding management software, WeldEye. Among other things, it monitors compliance to the WPS, ensures that welders have appropriate qualifications, and collects quality documentation. The Kemppi worldwide service network also ensures immediate support and consultation.



High-speed aluminum welding

Aluminum pulse welding shot with a high-speed camera attached to the welding gun. Real time video shows how the welding arc is removed with pulsed laser light.

ACCESSORIES



Cool X Cooling unit

Cool X cooling unit for liquid-cooled setups is the ultimate choice providing 1 kW of cooling power with 3 liters of cooling liquid.



MMT/PMT gun range

Whether you're welding ships' hulls or pleasure boats, rail cars or racing cars, you can trust Kemppi MMT and PMT guns to deliver value to every weld. This range includes guns for both manual and mechanized welding.



SuperSnake GT02S/GT02SW

An innovative and award-winning subfeeder that offers wire feed assist you can count on. Extends regular reach with up to 25 meters. Compatible with Kemppi FastMig and Pro welding equipment and standard Euro MIG welding guns.



Earth return cable 5 m, 50 mm²



Earth return cable 5 m, 70 mm²

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

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



PMT MN (MN stands for Multi-Neck)

The 320 A ‘fast change’ gun neck system, allowing one of five neck variants to be selected and fitted to the gun handle in seconds.

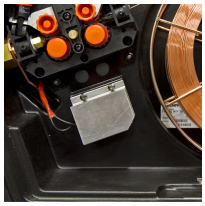
Remote control extension cable 10 m



ARC Mobile Control

For the first time in welding history, you can now control and monitor your welding machine wirelessly via a smartphone or tablet computer.

Download the app from Google Play.



KWF 200/300 cabinet heater

The cabinet heater maintains a temperature level inside the wire feed cabinet for conditions where the ambient temperature cycles up and down.

This unit is suitable for MXF 63, 65, 67, MXP 37 PIPE, and MXP 38.



GH 30 Gun holder

GH 30 Gun holder increases the usability around the workshop. The gun holder can be mounted on a welding machine, transport unit, or welding table.



DataGun

Kemppi DataGun is a programming device that is used together with Kemppi DataStore online shop to purchase and install welding software and upgrades to your Kemppi welding machines.



Remote control RMT10

Fingertip control compatible with Kemppi PMT welding gun range for MIG/MAG welding.

Increase welding quality, work efficiency, comfort, and safety with appropriate, easy-to-use Kemppi remote controls.



Remote control R30

Suitable for use with Kemppi FastMig X and FastMig M with MXF wire feeder. Available in 5 m and 10 m.

Increase welding quality, work efficiency, comfort, and safety with appropriate, easy-to-use Kemppi remote controls.

Remote X 37 control panel

FASTMIG X 70-1.8-GH interconnection air-cooled cable, 1.8 m

FASTMIG X 70-5-GH interconnection air-cooled cable, 5 m

FASTMIG X 70-10-GH interconnection air-cooled cable, 10 m

FASTMIG X 70-20-GH interconnection air-cooled cable, 20 m

FASTMIG X 70-30-GH interconnection air-cooled cable, 30 m

FASTMIG X 70-1.8-WH interconnection liquid-cooled cable, 1.8 m

FASTMIG X 70-5-WH interconnection liquid-cooled cable, 5 m

FASTMIG X 70-10-WH interconnection liquid-cooled cable, 10 m

FASTMIG X 70-20-WH interconnection liquid-cooled cable, 20 m

FASTMIG X 70-30-WH interconnection liquid-cooled cable, 30 m

Magnetic clamp (earth return cable)

600 A

Magnetic clamp (voltage sensing cable)

200 A

MatchLog

MatchLog includes Minilog and MatchChannel activation in WFX feeders (Minilog can be used only with MXF feeders).
MatchChannel allows changing of the memory channel during welding and Minilog enables to change welding power in the same memory channel.



KV 200

The KV 200 mounting plate for two wire feeders.

This unit is suitable for MXF 63, 65, 67, MXP 37 PIPE, MXP 38, and ArcFeed.



PM500

The PM500 is a 4-wheel transport unit suitable for FastMig M and the FastMig X series as well as for KempArc.



P501

Suitable for FastMig MXF65, MXF67, WFX 300, and WFX 300 AMC.

The P501 is a transport unit for wire feeders and compact power sources.



KFH 1000

KFH 1000 is a movable option for hanging cables. This solution helps to create more versatile work spaces around the workshop.

This unit is suitable for MXF 63, 65, 67, MXP 37 PIPE, MXP 38, WFX 200, 200 P, 200 AMC
WFX 300, 300 P, 300 AMC and ArcFeed.



T 10

Suitable for FastMig M and FastMig X (T10 installation set W002085).

TECHNICAL SPECIFICATIONS

POWER SOURCES

FastMig X 350 Power source

Product code	6103350
Connection voltage 3~ 50/60 Hz	400 V (-15…+20%)
Fuse (delayed)	35A
Minimum generator power	35 kVA
Output 80% ED	350 A
Output 100% ED	330 A
Open circuit voltage MMA	U0 = 70-98 V Uav = 50 V
Open circuit voltage MIG/MAG	U0 = 80 - 98 V
Operating temperature range	-20 ... +40 °C
External dimensions LxWxH	590 × 230 × 430 mm
Degree of protection	IP23S
Standards	IEC 60974-1, IEC 60974-5, IEC 60974-10

FastMig X 450 Power source

Product code	6103450
Connection voltage 3~ 50/60 Hz	400 V, (-15…+20%)
Fuse (delayed)	35A
Minimum generator power	35 kVA
Output 60% ED	450 A
Output 100% ED	350 A
Open circuit voltage MMA	U0 = 70-98 V Uav = 50 V
Open circuit voltage MIG/MAG	U0 = 80 - 98 V
Operating temperature range	-20 ... +40 °C
External dimensions LxWxH	590 × 230 × 430 mm
Degree of protection	IP23S
Standards	IEC 60974-1, IEC 60974-5, IEC 60974-10

FastMig X 350 (400 V) MV Power source

Product code	6103353
Connection voltage 3~ 50/60 Hz	220 V -10% … 440 V +10%
Fuse (delayed)	35A
Minimum generator power	35 kVA
Output 80% ED	350 A
Output 100% ED	330 A
Open circuit voltage	U0 = 70-98 V Uav = 50 V
Operating temperature range	-20 ... +40 °C
External dimensions LxWxH	590 × 230 × 580 mm
Weight (no accessories)	U0 = 80 - 98 V
Degree of protection	IP23S
Standards	IEC 60974-1, IEC 60974-5, IEC 60974-10

WIRE FEEDERS

WFX 200 Wire feeder

Product code	6103520
Output 60% ED	520 A
Output 100% ED	440 A
Wire feed mechanism	4 roll
Gun connection	Euro
Filler wire sizes (Ss)	0.6 - 1.6 mm
Filler wire sizes (Al)	0.8 - 2.4 mm
Filler wire sizes (Fe)	0.6 - 1.6 mm
Filler wire sizes (Cored wire)	0.8 - 2.0 mm
Wire feed speed	1 - 25 m/min
Software	WiseFusion WorkPack (21pcs)
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

WFX 300 Wire feeder

Product code	6103530
Output 60% ED	520 A
Output 100% ED	440 A
Wire feed mechanism	DuraTorque
Gun connection	Euro
Filler wire sizes (Ss)	0.6 - 1.6 mm
Filler wire sizes (Al)	0.8 - 2.4 mm
Filler wire sizes (Fe)	0.6 - 1.6 mm
Filler wire sizes (Cored wire)	0.8 - 2.0 mm
Wire feed speed	1 - 25 m/min
Software	WiseFusion WorkPack (21pcs)
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

WFX 200 P Fe Wire feeder

Product code	6103521
Output 60% ED	520 A
Output 100% ED	440 A
Wire feed mechanism	4 roll
Gun connection	Euro
Filler wire sizes (Ss)	0.6 - 1.6 mm
Filler wire sizes (Al)	0.8 - 2.4 mm
Filler wire sizes (Fe)	0.6 - 1.6 mm
Filler wire sizes (Cored wire)	0.8 - 2.0 mm
Wire feed speed	1 - 25 m/min
Software	WiseFusion WiseRoot+ MatchLog Pipe Steel pack Fe (25pcs)
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

WFX 200 P Ss Wire feeder

Product code	6103522
Output 60% ED	520 A
Output 100% ED	440 A
Wire feed mechanism	4-roll
Gun connection	Euro
Filler wire sizes (Ss)	0.6 - 1.6 mm
Filler wire sizes (Al)	0.9 - 2.4 mm
Filler wire sizes (Fe)	0.6 - 1.6 mm
Filler wire sizes (Cored wire)	0.8 - 2.0 mm
Wire feed speed	1 - 25 m/min
Software	WiseFusion WiseRoot+ MatchLog Pipe Stainless pack Ss (17pcs)
Operating temperature range	-20 ... +40 °C
Degree of protection	IP23S
Wire spool weight, max.	5 kg
Weight (empty)	9.4 kg
Wire spool diameter, max.	200 mm
External dimensions	510 × 200 × 310 mm

WFX 300 P Fe Wire feeder

Product code	6103531
Output 60% ED	520 A
Output 100% ED	440 A
Wire feed mechanism	GT04
Gun connection	Euro
Filler wire sizes (Ss)	0.6 - 2.0 mm
Filler wire sizes (Al)	0.8 - 2.4 mm
Filler wire sizes (Fe)	0.6 - 2.0 mm
Filler wire sizes (Cored wire)	0.8 - 2.4 mm
Wire feed speed	0.5 - 25 m/min
Software	WiseFusion WiseRoot+ MatchLog Pipe Steel pack Fe (25pcs)
Operating temperature range	-20 ... +40 °C
External dimensions LxWxH	590 × 240 × 445 mm
Degree of protection	IP23S
Standards	IEC 60974-5
Wire spool weight, max.	20 kg
Weight (empty)	13.1 kg
Wire spool diameter, max.	300 mm

WFX 300 P Ss Wire feeder

Product code	6103532
Output 60% ED	520 A
Output 100% ED	440 A
Wire feed mechanism	GT04
Gun connection	Euro
Filler wire sizes (Ss)	0.6 - 2.0 mm
Filler wire sizes (Al)	0.8 - 2.4 mm
Filler wire sizes (Fe)	0.6 - 2.0 mm
Filler wire sizes (Cored wire)	0.8 - 2.4 mm
Wire feed speed	1 - 25 m/min
Software	WiseFusion WiseRoot+ MatchLog Pipe Stainless pack Ss (17pcs)
Operating temperature range	-20 ... +40 °C
Degree of protection	IP23S
Wire spool weight, max.	20 kg
Weight (empty)	13.1 kg
Wire spool diameter, max.	300 mm
External dimensions	590 × 240 × 445 mm

WFX 200 AMC Wire feeder

Product code	6103523
Output 60% ED	520 A
Output 100% ED	440 A
Wire feed mechanism	4 roll
Gun connection	Euro
Filler wire sizes (Ss)	0.6 - 1.6 mm
Filler wire sizes (Al)	0.8 - 2.4 mm
Filler wire sizes (Fe)	0.6 - 1.6 mm
Filler wire sizes (Cored wire)	0.8 - 2.0 mm
Wire feed speed	1 - 25 m/min
Software	WiseFusion WisePenetration WiseThin+ MatchLog Steel Pack (14 pcs) Steel Pack for Wise thin+ (14 pcs) Stainless Pack (12 pcs) Aluminum Pack (12 pcs)
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

WFX 300 AMC Wire feeder

Product code	6103533
Output	440 A
Output 60% ED	520 A
Wire feed mechanism	DuraTorque
Gun connection	Euro
Filler wire sizes (Ss)	0.6 - 1.6 mm
Filler wire sizes (Al)	0.8 - 2.4 mm
Filler wire sizes (Fe)	0.6 - 1.6 mm
Filler wire sizes (Cored wire)	0.8 - 2.0 mm
Wire feed speed	1 - 25 m/min
Software	WiseFusion WisePenetration WiseThin+ MatchLog Steel Pack (12 pcs) Steel Pack for Wise thin+ (8 pcs) Stainless Pack (12 pcs) Aluminum Pack (12 pcs)
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

SOFTWARE

WiseFusion

Product code	9991014 (FastMig M, FastMigX) X8500000 (X8 MIG Welder) A7500000 (A7 MIG Welder)

WiseRoot+

Product code	9990418 (FastMig X) X8500003 (X8 MIG Welder)

WisePenetration

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

WiseThin+

Product code	9990419 (FastMig X) X8500004 (X8 MIG Welder)

ACCESSORIES

Cool X Cooling unit

Product code	6068200 Cooling liquid - 10 liter can - SP9810765
Operating voltage (safety voltage)	400 V -15 …+20 %
Maximum pressure	0.4 Mpa
External dimensions LxWxH	570 x 230 x 280 mm
Weight (no accessories)	11 kg
Degree of protection	IP23S
Tank volume	~3 L
EMC class	A
Cooling power	1 kW
Storage temperature range	-40 …+60 °C
Operating temperature	-20 …+40 °C

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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.

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