

# X8 MIG Welder

THE MOST ADVANCED MULTI-PROCESS WELDING  
EQUIPMENT ON THE MARKET





# TECHNICAL SPECIFICATIONS

## POWER SOURCES

### X8 Power Source 400

Product code	X8100400001 - X8 Power Source 400, CUSTOM (Work Pack + WiseFusion) X8100401000 - X8 Power Source 400, cooler X8100401001 - X8 Power Source 400, cooler, CUSTOM (Work Pack + WiseFusion)
Connection voltage 3~ 50/60 Hz	380 - 460 V $\pm$ 10 %
Fuse	32 A
Open circuit power (MMA) (without cooler and wire feeder, fans OFF)	44 - 53 W
Open circuit power (MMA) (without cooler and wire feeder, fans ON)	107 - 111 W
Open circuit power (MMA) (with cooler, without wire feeder, fans ON)	132 - 137 W
Output 60% ED	400 A
Output 100% ED	320 A
Welding current and voltage range, MIG @ 380 V	20A/14V - 400A/50V
Welding current and voltage range, MMA @ 380 V	15A/20V - 400A/58V
Recommended generator power (min)	25 kVA
Open circuit voltage MMA	50 V
External dimensions LxWxH	921 x 348 x 795 mm
Weight (no accessories)	95 kg
Operating temperature range	-20...+40 °C



## X8 Power Source 400 MV

Product code	X8100400101 - X8 Power Source 400 MV, CUSTOM (Work Pack + WiseFusion)
Connection voltage 3~ 50/60 Hz	220 - 230 V $\pm$ 10 % 380 - 460 V $\pm$ 10 %
Fuse	32 A
Fuse, 380 - 460 V	63 A
Open circuit power (MMA) (without cooler and wire feeder, fans OFF)	44 - 53 W
Open circuit power (MMA) (without cooler and wire feeder, fans ON)	99 - 111 W
Output 60% ED	400 A
Output 100% ED	320 A
Welding current and voltage range, MIG @ 220 V	20 A/14 V - 400 A/50 V
Welding current and voltage range, MIG @ 380 V	20 A/14 V - 400 A/50 V
Welding current and voltage range, MMA @ 220 V	15 A/20 V - 400 A/58 V
Welding current and voltage range, MMA @ 380 V	15 A/20 V - 400 A/58 V
Recommended generator power (min)	35 kVA
Open circuit voltage MMA	50 V
External dimensions LxWxH	921 x 348 x 795 mm
Weight (no accessories)	95 kg
Operating temperature range	-20...+40 °C

## X8 Power Source 500

Product code	X8100501000 - X8 Power Source 500, cooler X8100501001 - X8 Power Source 500, cooler, CUSTOM (Work Pack + WiseFusion)
Connection voltage 3~ 50/60 Hz	380 - 460 V $\pm$ 10 %
Fuse	32 A
Open circuit power (MMA) (without cooler and wire feeder, fans OFF)	44 - 53 W
Open circuit power (MMA) (without cooler and wire feeder, fans ON)	107 - 111 W
Open circuit power (MMA) (with cooler, without wire feeder, fans ON)	132 - 137 W
Output 60% ED	500 A
Output 100% ED	400 A
Welding current and voltage range, MIG @ 380 V	20A/14V - 500A/55V
Welding current and voltage range, MMA @ 380 V	15A/20V - 500A/57V
Recommended generator power (min)	35 kVA
Open circuit voltage MMA	50 V
External dimensions LxWxH	921 x 348 x 795 mm
Weight (no accessories)	95 kg
Operating temperature range	-20...+40 °C



## X8 Power Source 500 MV

Product code	X8100501100 - X8 Power Source 500 MV, cooler X8100501101 - X8 Power Source 500 MV, cooler, CUSTOM (Work Pack + WiseFusion)
Connection voltage 3~ 50/60 Hz	220 - 230 V $\pm$ 10 % 380 - 460 V $\pm$ 10 %
Fuse	32 A
Fuse, 380 - 460 V	63 A
Open circuit power (MMA) (without cooler and wire feeder, fans OFF)	44 - 53 W
Open circuit power (MMA) (without cooler and wire feeder, fans ON)	99 - 111 W
Open circuit power (MMA) (with cooler, without wire feeder, fans ON)	121 - 137 W
Output 60% ED	500 A
Output 100% ED	400 A
Welding current and voltage range, MIG @ 220 V	20A/14V - 500A/55V
Welding current and voltage range, MIG @ 380 V	20A/14V - 500A/55V
Welding current and voltage range, MMA @ 220 V	15A/20V - 500A/57V
Welding current and voltage range, MMA @ 380 V	15A/20V - 500A/57V
Recommended generator power (min)	35 kVA
Open circuit voltage MMA	50 V
External dimensions LxWxH	921 x 348 x 795 mm
Weight (no accessories)	95 kg
Operating temperature range	-20...+40 °C

## X8 Power Source 600

Product code	X8100601000 (Incl. X8 Control Pad and X8 Cooler) Power upgrade 600 for X8 Power Source - X8560000
Connection voltage 3~ 50/60 Hz	380 - 460 V $\pm$ 10 % 380 - 460 V $\pm$ 10 %
Fuse	35 A
Open circuit power (MMA) (without cooler and wire feeder, fans OFF)	44 - 53 W
Open circuit power (MMA) (without cooler and wire feeder, fans ON)	107 - 111 W
Open circuit power (MMA) (with cooler, without wire feeder, fans ON)	132 - 137 W
Output 40% ED	600 A
Output 60% ED	530 A
Output 100% ED	440 A
Welding current and voltage range, MIG @ 380 V	10A/10V - 600A/57V
Welding current and voltage range, MMA @ 380 V	10A/10V - 600A/58,5V
Recommended generator power (min)	40 kVA
Open circuit voltage MMA	50 V
External dimensions LxWxH	921 x 348 x 795 mm
Weight (no accessories)	95 kg
Operating temperature range	-20...+40 °C



## X8 Power Source 600 MV

Product code	X8100601100 (Incl. X8 Control Pad and X8 Cooler) Power upgrade 600 for X8 Power Source - X8560000
Connection voltage 3~ 50/60 Hz	220 - 230 V $\pm$ 10 % 380 - 460 V $\pm$ 10 %
Fuse, 380 - 460 V	35 A
Open circuit power (MMA) (without cooler and wire feeder, fans OFF)	44 - 53 W
Open circuit power (MMA) (without cooler and wire feeder, fans ON)	99 - 111 W
Open circuit power (MMA) (with cooler, without wire feeder, fans ON)	121 - 137 W
Output 40% ED	600 A
Output 60% ED	530 A
Output 100% ED	440 A
Welding current and voltage range, MIG @ 220 V	10A/10V - 600A/47V
Welding current and voltage range, MIG @ 380 V	10A/10V - 600A/57V
Welding current and voltage range, MMA @ 220 V	10A/10V - 600A/47V
Welding current and voltage range, MMA @ 380 V	10A/10V - 600A/58.5V
Recommended generator power (min)	40 kVA
Open circuit voltage MMA	50 V
External dimensions LxWxH	921 x 348 x 795 mm
Weight (no accessories)	95 kg
Operating temperature range	-20...+40 °C
Fuse, 220 - 230 V	63 A

## WIRE FEEDERS

### X8 Wire Feeder

Product code	X8200000002 (X8200000001 with cabinet heater)
Wire feed mechanism	4-roll, twin-motor
Wire feed speed	0.5 - 25 m/min
Welding current 40 % ED, I2	600 A
Welding current 60 % ED, I2	530 A
Welding current 100 % ED, I2	440 A
Gun connection	Kemppi
Wire spool weight, max.	20 kg
Wire spool diameter, max.	300 mm
Filler wires, Ss	0.6 - 2.4 mm
Filler wires, Al	0.8 - 2.4 mm
Filler wires, Fe	0.6 - 2.4 mm
Filler wires, MC/FC	0.8 - 2.4 mm
Wireless communication type	2.4 GHz Bluetooth
External dimensions LxWxH	640 x 220 x 400 mm
Weight (no accessories)	11.2 kg
Degree of protection	IP23S
EMC class	A
Operating temperature range	-20...+40 °C



## TIG TORCHES

### Flexlite GX - X8 MIG Welder

Product code

Please refer to technical specifications.

## SOFTWARE

### WiseFusion

Product code

X5500001 (Product code for X5 FastMig)  
X8500000 (Product code for X8 MIG Welder)  
MSM40000 (Product code for Master M)  
AX30000 (Product code for AX MIG Welder)

### WiseSteel

Product code

X5500000 (Product code for X5 FastMig)  
X8500001 (Product code for X8 MIG Welder)  
MSM60000 (Product code for Master M)  
AX10000 (Product code for AX MIG Welder)

### WisePenetration+

Product code

X5500002 (Product code for X5 FastMig)  
X8500002 (Product code for X8 MIG Welder)  
MSM50000 (Product code for Master M)  
AX20000 (Product code for AX MIG Welder)

### WiseRoot+

Product code

X8500003 (Product code for X8 MIG Welder)  
X5500003 (Product code for X5 FastMig)  
AX40000 (Product code for AX MIG Welder)

### WiseThin+

Product code

X8500004 (Product code for X8 MIG Welder)  
X5500004 (Product code for X5 FastMig)  
AX50000 (Product code for AX MIG Welder)  
9990419 (Product code for FastMig X)



## ACCESSORIES

### Control Pad

Product code	X8400110001 (Spare part)
Wireless communication type	2.4 GHz Bluetooth
Typical battery operation time	15-24 h
Typical battery charging time	5 h
Typical wireless communication range	15 m
Wired communication type	USB
Display type	TFT LCD
Display size	5.7"
External dimensions LxWxH	200 x 130 x 33 mm
Weight (no accessories)	0.89 kg
Degree of protection	IP54
Operating temperature range	-20...+40 °C
Battery type	Li-ion

### X8 Cooler

Product code	X8600000000
Rated cooling power at 1 l/min	1.4 kW
Rated cooling power at 1.6 l/min	1.9 kW
Recommended coolant	MPG 4456 (Kemppi mixture)
Weight (no accessories)	15.5 kg
Degree of protection	IP23S
Tank volume	4 l
EMC class	A
Operating temperature range	-10...+40 °C

### GX 208GMN

Product code	GX208GMN35 (3.5m), GX208GMN5 (5m)
Changeable neck	Yes
Rotating neck	Yes
Pistol grip handle	Yes
Type of cooling	Gas
Remote control	Yes
Welding process	MIG/MAG
Contact tip	M10x1
Wire diameters (mm)	0.8–1.2
Type of connection	Kemppi
LED option	Yes
Load capacity, Ar + CO <sub>2</sub> (60%)	200 A



## GX 308GMN

Product code	GX308GMN35 (3.5m), GX308GMN5 (5m)
Changeable neck	Yes
Rotating neck	Yes
Pistol grip handle	Yes
Type of cooling	Gas
Remote control	Yes
Welding process	MIG/MAG
Contact tip	M10x1
Wire diameters (mm)	0.8–1.2
Type of connection	Kemppi
LED option	Yes
Load capacity, Ar + CO <sub>2</sub> (60%)	300 A

## GX 408GMN

Product code	GX408GMN35 (3.5m), GX408GMN5 (5m)
Changeable neck	Yes
Rotating neck	Yes
Pistol grip handle	Yes
Type of cooling	Gas
Remote control	Yes
Welding process	MIG/MAG
Contact tip	M10x1
Wire diameters (mm)	0.8–1.6
Type of connection	Kemppi
LED option	Yes
Load capacity, Ar + CO <sub>2</sub> (60%)	400 A

## GX 428W

Product code	GX428W35 (3.5m), GX428W5 (5m), GX428WS8* (8m) *WS model 8m delivered without a wire liner
Load capacity, Ar + CO <sub>2</sub> (100%)	420 A (3.5m and 5m models) 300 A (8m WS model)
Changeable neck	No
Rotating neck	No
Pistol grip handle	Yes
Type of cooling	Water
Remote control	Yes
Welding process	MIG/MAG
Contact tip	M10x1
Wire diameters (mm)	0.8–1.6 (3.5m and 5m models) 1.2–1.6 (8m WS model)
Type of connection	Kemppi
LED option	Yes (3.5m and 5m models) No (8m WS model)





## GX 528W

Product code	GX528W35 (3.5m), GX528W5 (5m)
Load capacity, Ar + CO2 (100%)	520 A
Changeable neck	No
Rotating neck	No
Pistol grip handle	Yes
Type of cooling	Water
Remote control	Yes
Welding process	MIG/MAG
Contact tip	M10x1
Wire diameters (mm)	0.8–1.6
Type of connection	Kemppi
LED option	Yes

## GX 608W

Product code	GX608W5 (5m)
Load capacity, Ar + CO2 (35%)	600 A (40%)
Changeable neck	No
Rotating neck	No
Pistol grip handle	Yes
Type of cooling	Water
Remote control	Yes
Welding process	MIG/MAG
Contact tip	M10x1
Type of connection	Kemppi
LED option	Yes

## GH 20 Gun Holder

Product code	6256020
--------------	---------



## X8 SuperSnake - subfeeder

Product code	See technical specifications
Description	subfeeder
Output 60% ED	310 A
Wire feed mechanism	GT02X, 2-roll
Wire feed speed	0-25 m/min
Feeder body dimensions, L x W x H	777 x 142 x142 mm
Wire recommendations, 15 m	Fe/Ss 1.0-1.6 mm Al 1.2-1.6 mm FeMc/FeFc 1.2-1.6 mm
Cable diameter	50 mm <sup>2</sup>
Supply voltage	50 V DC
Protection class	IP 23S
Ordering code 10m	X8900501000 - Fe X8900501001 - Ss/Al
Ordering code 15m	X8900501500 - Fe X8900501501 - Ss/Al
Ordering code 20m	X8900502000 - Fe X8900502001 - Ss/Al
Ordering code 25m	X8900502500 - Fe X8900502501 - Ss/Al
Consumables	The wire feed mechanism consumable kit must be ordered separately according to the filler wire material.

## X8 Wheel Set

Product code	X8701010000
--------------	-------------

## X8 Gas Cylinder Cart

Product code	X8701020000
--------------	-------------

## Wire Feeder Rotating Plate

Product code	X8702010000
--------------	-------------

## Double Wire Feeder Rotating Plate

Product code	X8702020000
--------------	-------------

## Earth Return Cable

Product code	6184511 - Earth return cable 50mm <sup>2</sup> 5m 6184711 - Earth return cable 70mm <sup>2</sup> 5m
--------------	--

## Boom WP 6000

Product code	6264026
--------------	---------

[WWW.KEMPPI.COM](http://WWW.KEMPPI.COM)

---

**Kemppi** is the design leader in the arc welding industry. We are committed to boosting the quality and productivity of welding by continuous development of the welding arc and by working for a greener and more equal world. Kemppi supplies sustainable products, digital solutions, and services for professionals from industrial welding companies to single contractors. The usability and reliability of our products is our guiding principle. We operate with a highly skilled partner network covering over 70 countries to make its expertise locally available. Headquartered in Lahti, Finland, Kemppi employs close to 800 professionals in 16 countries and has a revenue of 195 MEUR in 2022.

