

AX MIG Welder

TRACEABLE HIGH-PERFORMANCE ROBOTIC WELDING





TECHNICAL SPECIFICATIONS

POWER SOURCES

X5 Power Source 400

Product code	X5110400000
Connection voltage 3~ 50/60 Hz	380...460 V ± 10 %
Fuse	25 A
Output 60% ED	400 A
Output 100% ED	350 A
Rated power at max. current	20 kVA
Recommended generator power (min)	25 kVA
Welding current and voltage range, MIG	15 A/12 V ... 400 A/42 V
Welding current and voltage range, TIG	15 A/1 V ... 400 A/42 V
Welding current and voltage range, MMA	15 A/10 V ... 400 A/42 V
Operating temperature range	-20...+40 °C
External dimensions LxWxH	750 x 263 x 456 mm
Weight (no accessories)	39.0 kg
Degree of protection	IP23S
EMC class	A
Storage temperature range	-40...+60 °C

X5 Power Source 400 Pulse

Product code	X5130400000
Connection voltage 3~ 50/60 Hz	380 - 460 ± 10 %
Fuse	25 A
Output 60% ED	400 A
Output 100% ED	350 A
Rated power at max. current	20 kVA
Recommended generator power (min)	25 kVA
Welding current and voltage range, MIG	15 A/10 V ... 400 A/50V
Welding current and voltage range, TIG	15 A/1 V ... 400 A/50V
Welding current and voltage range, MMA	15 A/10 V ... 400 A/50V
Operating temperature range	-20...+40 °C
External dimensions LxWxH	750 x 263 x 456 mm
Weight (no accessories)	39.5 kg
Degree of protection	IP23S
EMC class	A
Storage temperature range	-40...+60 °C



X5 Power Source 400 Pulse+

Product code	X5100400000
Connection voltage 3~ 50/60 Hz	380 - 460 $\pm$ 10 %
Fuse	25 A
Output 60% ED	400 A
Output 100% ED	350 A
Rated power at max. current	20 kVA
Recommended generator power (min)	25 kVA
Welding current and voltage range, MIG	15 A/10 V ... 400 A/50V
Welding current and voltage range, TIG	15 A/1 V ... 400 A/50V
Welding current and voltage range, MMA	15 A/10 V ... 400 A/50V
Operating temperature range	-20...+40 °C
External dimensions LxWxH	750 x 263 x 456 mm
Weight (no accessories)	39.5 kg
Degree of protection	IP23S
EMC class	A
Storage temperature range	-40...+60 °C

X5 Power Source 500

Product code	X5110500000
Connection voltage 3~ 50/60 Hz	380...460 V $\pm$ 10 %
Fuse	32 A
Output 60% ED	500 A
Output 100% ED	430 A
Rated power at max. current	27 kVA
Recommended generator power (min)	35 kVA
Welding current and voltage range, MIG	15 A/10 V ... 500 A/47 V
Welding current and voltage range, TIG	15 A/1 V ... 500 A/47 V
Welding current and voltage range, MMA	15 A/10 V ... 500 A/47 V
Operating temperature range	-20...+40 °C
External dimensions LxWxH	750 x 263 x 456 mm
Weight (no accessories)	39.5 kg
Degree of protection	IP23S
EMC class	A
Storage temperature range	-40...+60 °C



X5 Power Source 500 Pulse

Product code	X5130500000
Connection voltage 3~ 50/60 Hz	380...460 V ± 10 %
Fuse	32 A
Output 60% ED	500 A
Output 100% ED	400 A
Rated power at max. current	27 kVA
Recommended generator power (min)	35 kVA
Welding current and voltage range, MIG	15 A/10 V ... 500 A/50 V
Welding current and voltage range, TIG	15 A/1 V ... 500 A/50 V
Welding current and voltage range, MMA	15 A/10 V ... 500 A/50 V
Operating temperature range	-20...+40 °C
External dimensions LxWxH	750 x 263 x 456 mm
Weight (no accessories)	39.5 kg
Degree of protection	P23S
EMC class	A
Storage temperature range	-40...+60 °C

X5 Power Source 500 Pulse+

Product code	X5100500000
Connection voltage 3~ 50/60 Hz	380...460 V ± 10 %
Fuse	32 A
Output 60% ED	500 A
Output 100% ED	400 A
Rated power at max. current	27 kVA
Recommended generator power (min)	35 kVA
Welding current and voltage range, MIG	15 A/10 V ... 500 A/50 V
Welding current and voltage range, TIG	15 A/1 V ... 500 A/50 V
Welding current and voltage range, MMA	15 A/10 V ... 500 A/50 V
Operating temperature range	-20...+40 °C
External dimensions LxWxH	750 x 263 x 456 mm
Weight (no accessories)	39.5 kg
Degree of protection	P23S
EMC class	A
Storage temperature range	-40...+60 °C



WIRE FEEDERS

R500 Wire Feeder

Product code	RX20150025L
Wire feed mechanism	4-roll, two motors
Wire feed speed adjustment	0.5–25 m/min
Gun connection	Euro
Filler wire sizes (Fe solid)	0.8–1.6 mm 1.0–1.6 mm
Filler wire sizes (Fe cored)	1.0–1.6 mm
Filler wire sizes (Ss)	0.8–1.6 mm
Filler wire sizes (Al)	1.0–2.4 mm
Filler wire sizes (CuSi)	0.8–1.2 mm
Operating voltage (safety voltage)	48 V DC
Operating temperature range	-20...+40 °C
External dimensions LxWxH	374 x 234 x 183 mm
Weight (no accessories)	6.15 kg
Degree of protection	IP215
EMC class	A
Storage temperature range	-40...+60 °C

R500+ Wire Feeder

Product code	RX21150025L
Wire feed mechanism	4-roll, two motors
Wire feed speed adjustment	0.5–25 m/min
Gun connection	Euro
Filler wire sizes (Fe cored)	1.0–1.6 mm
Filler wire sizes (Ss)	0.8–1.6 mm
Filler wire sizes (Al)	1.0–2.4 mm
Filler wire sizes (CuSi)	0.8–1.2 mm
Operating voltage (safety voltage)	48 V DC
Operating temperature range	-20...+40 °C
External dimensions LxWxH	374 x 234 x 183 mm
Weight (no accessories)	6.75 kg
Degree of protection	IP215
EMC class	A
Storage temperature range	-40...+60 °C

ROBOT CONNECTIVITY MODULE

RCM (AX)

Product code	RX311000000 – RCM+ with WLAN RX301000000 – RCM without WLAN
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SOFTWARE

MAX Cool

Product code	MSM70000 (Product code for Master M) X570000 (Product code for X5 FastMig) AX80000 (Product code for AX MIG Welder)
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MAX Position

Product code	MSM90000 (Product code for Master M) X590000 (Product code for X5 FastMig) AX60000 (Product code for AX MIG Welder)
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MAX Speed

Product code	MSM80000 (Product code for Master M) X580000 (Product code for X5 FastMig) AX70000 (Product code for AX MIG Welder)
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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)
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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)
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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)
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WiseRoot+

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

Product code	AX92070200
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AX Work Pack 1-MIG

Product code	AX92070200
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ACCESSORIES

X5 Cooler 1400

Product code	X5620000000
Rated cooling power at 1 l/min	1.4 kW
Recommended coolant	MGP 4456 (Kemppi mixture)
Weight (no accessories)	15 kg
Tank volume	3 l
EMC class	A
Storage temperature range	-40...+60 °C
Operating temperature range (with recommended coolant)	-10...+40 °C
Degree of protection (when mounted)	P23S

Robot interface module for AX

Product code	See technical specifications.
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R500 Wire Feeder Mounting Brackets

Product code	See technical specifications.
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Stand for power source

Product code	X5701050000
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Interconnection cables for AX

Product code	See technical specifications.
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Interconnection cable brackets for AX

Product code	SP008072
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Earth return cable 70

Product code	6184711 (5 m, 70 mm ²), 6184712 (10 m, 70 mm ²), 6184713 (15 m, 70 mm ²)
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Wire conduit for wire spools

Product code	See technical specifications.
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Wire conduit for wire drums

Product code	See technical specifications
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Snap connector for drum or spool holder (female)

Product code	W005189
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Snap connector for wire conduit (male)

Product code	W005197
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Wire feed roll kits for AX

Product code	See technical specifications.
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Protective cover for wire spool

Product code	SP007940
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Wire spool holder

Product code	W007628 (right), W007629 (left)
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Floor stand for wire spool holder

Product code	W007356
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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.

