

X8 MIG Welder



BENEFITS

- Best arc characteristics for high speed and aluminum ([WiseFusion](#)), narrow gap ([RGT](#)), root pass ([WiseRoot+](#)), thin sheet ([WiseThin+](#)) and low spatter welding in globular transfer mode ([WiseSteel](#))
- Precisely controlled, upgradeable welding current up to 600 A
- Digital WPS feature allows the welder to quickly and easily access the WPSs
- Innovatively designed wire feeder ensures safe and ergonomic loading of filler wire spool
- Wire feeder's optional wire tensioning feature keeps wire feed steady in short repeated welds and with heavy wire spools
- Well-balanced welding guns with an ergonomic handle design make welding more comfortable and productive
- Improved arc ignition with [X8 MIG Guns](#)' Touch Sense Ignition feature
- Wire feeder and welding gun lighting enable working in dimly lit conditions
- Tool-free coolant filling with an integrated cooling unit
- Includes a fleet management service free of charge
- Native connectivity to WeldEye software modules [Welding Procedure and Qualification Management](#), [Welding Quality Management](#) and [Welding Production Analysis](#)

TECHNICAL SPECIFICATIONS

X8 Power Source 500

| | |
|--|---|
| Product code | X8100501000 (X8100501010 - including WorkPack und WiseFusion) |
| Connection voltage 3~ 50/60 Hz | 380 - 460 V ±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 |
| Operating temperature range | -20...+40 °C |
| External dimensions LxWxH | 921 x 348 x 795 mm |
| Weight (no accessories) | 95 kg |

Control Pad

| | |
|--------------|--------------------------|
| Product code | X8400110001 (Spare part) |
|--------------|--------------------------|

Control Pad

| | |
|--------------------------------------|-------------------|
| Battery type | Li-ion |
| 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" |
| Operating temperature range | -20...+40 °C |
| External dimensions LxWxH | 200 x 130 x 33 mm |
| Weight (no accessories) | 0.89 kg |
| Degree of protection | IP54 |

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) |
| Operating temperature range | -10...+40 °C |
| Weight (no accessories) | 15.5 kg |
| Degree of protection | IP23S |
| Tank volume | 4 l |
| EMC class | A |

X8 Wire Feeder

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

X8 Wire Feeder

| | |
|-----------|---|
| EMC class | A |
|-----------|---|

Wire Feeder Rotating Plate

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

X8 MIG Gun 520-w

| | |
|-----------------------------------|--|
| Product code | X8 MIG Gun 520-w 3,5 m - X8300523500 X8 MIG Gun 520-w 5,0 m - X8300525000 |
| Gun connection | Kemppi |
| Cooling | Liquid |
| Filler wires, Ss | 0.8/0.9/1.0/1.2/1.4/1.6 |
| Filler wires, Al | 0.8/0.9/1.0/1.2/1.4/1.6 |
| Filler wires, Fe | 0.8/0.9/1.0/1.2/1.4/1.6 |
| Filler wires, Fe-MC/FC | 0.9/1.0/1.2/1.4/1.6 |
| Filler wires, Ss-MC/FC | 0.9/1.0/1.2/1.4/1.6 |
| Load capacity @ 100 % (Mixed gas) | 520 |
| Neck angles | 50 |
| Changeable neck | No |
| Rotating neck | No |
| Pistol grip handle | Yes |
| Operating temperature range | -20...+40 °C |
| Standards | IEC 60974-7 |

X8 Wheel Set

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

Interconnection Cable 2 m, water-cooled

| | |
|--------------|-------------|
| Product code | X8800950200 |
|--------------|-------------|