

# Master M

EXTEND MIG WELDING EXPERIENCE





## TECHNICAL SPECIFICATIONS

### Master M 350 A, G

### Master M 353 G

### Master M 355 G

### Master M 358 G

Product code	MSM353G	MSM355G	MSM358G
Connection voltage 3~ 50/60 Hz	380 - 460 V ± 10 %	380 - 460 V ± 10 %	380 - 460 V ± 10 %
Fuse	16 A	16 A	16 A
Output 40% ED	350 A (MMA 330 A)	350 A (MMA 330 A)	350 A (MMA 330 A)
Output 60% ED	280 A	280 A	280 A
Output 100% ED	220 A	220 A	220 A
Wire feed mechanism	4-roll, single-motor	4-roll, single-motor	4-roll, single-motor
Wire feed speed	0.5 - 25 m/min	0.5 - 25 m/min	0.5 - 25 m/min
Rated power at max. current	14 kVA	14 kVA	14 kVA
Recommended generator power (min)	20 kVA	20 kVA	20 kVA
Gun connection	Euro	Euro	Euro
Wire spool weight, max.	20 kg	20 kg	20 kg
Wire spool diameter, max.	300 mm	300 mm	300 mm
Filler wires, Ss	0.8 - 1.2 mm	0.8 - 1.2 mm	0.8 - 1.2 mm
Filler wires, Al	0.8 - 1.2 mm	0.8 - 1.2 mm	0.8 - 1.2 mm
Filler wires, Fe	0.8 - 1.2 mm	0.8 - 1.2 mm	0.8 - 1.2 mm
Filler wires, MC/FC	0.8 - 1.2 mm	0.8 - 1.2 mm	0.8 - 1.2 mm
Diameter of feed rolls	32mm	32mm	32mm
Welding current and voltage range, MIG	15 A/10 V - 350 A/ 45 V	15 A/10 V - 350 A/ 45 V	15 A/10 V - 350 A/ 45 V
Welding current and voltage range, TIG	15 A/1 V - 350 A/ 45 V	15 A/1 V - 350 A/ 45 V	15 A/1 V - 350 A/ 45 V
Welding current and voltage range, MMA	15 A/10 V - 330 A/ 45 V	15 A/10 V - 330 A/ 45 V	15 A/10 V - 330 A/ 45 V
Shielding gas pressure (max)	0.5 MPa	0.5 MPa	0.5 MPa
External dimensions LxWxH	602 x 298 x 447 mm	602 x 298 x 447 mm	602 x 298 x 447 mm
Weight (no accessories)	27 kg	27 kg	27 kg
Degree of protection	IP23S	IP23S	IP23S
Standards	IEC 60974-1, -10	IEC 60974-1, -10	IEC 60974-1, -10
EMC class	A	A	A
Operating temperature range	-20...+40 °C	-20...+40 °C	-20...+40 °C
Storage temperature range	-40...+60 °C	-40...+60 °C	-40...+60 °C

**Master M 350 A, GM****Master M 353 GM****Master M 355 GM****Master M 358 GM**

Product code	MSM353GM	MSM355GM	MSM358GM
Connection voltage 3~ 50/60 Hz	380 - 460 V $\pm 10$ %; 220 - 230 V $\pm 10$ %	380 - 460 V $\pm 10$ %; 220 - 230 V $\pm 10$ %	380 - 460 V $\pm 10$ %; 220 - 230 V $\pm 10$ %
Fuse	16/32 A	16/32 A	16/32 A
Output 40% ED	350 A (MMA 330 A); 300 A (MMA 280 A)	350 A (MMA 330 A); 300 A (MMA 280 A)	350 A (MMA 330 A); 300 A (MMA 280 A)
Output 60% ED	280 A; 240 A	280 A; 240 A	280 A; 240 A
Output 100% ED	220 A; 190 A	220 A; 190 A	220 A; 190 A
Wire feed mechanism	4-roll, single-motor	4-roll, single-motor	4-roll, single-motor
Wire feed speed	0.5 - 25 m/min	0.5 - 25 m/min	0.5 - 25 m/min
Rated power at max. current	14 kVA	14 kVA	14 kVA
Recommended generator power (min)	20 kVA	20 kVA	20 kVA
Gun connection	Euro	Euro	Euro
Wire spool weight, max.	20 kg	20 kg	20 kg
Wire spool diameter, max.	300 mm	300 mm	300 mm
Filler wires, Ss	0.8 - 1.2 mm	0.8 - 1.2 mm	0.8 - 1.2 mm
Filler wires, Al	0.8 - 1.2 mm	0.8 - 1.2 mm	0.8 - 1.2 mm
Filler wires, Fe	0.8 - 1.2 mm	0.8 - 1.2 mm	0.8 - 1.2 mm
Filler wires, MC/FC	0.8 - 1.2 mm	0.8 - 1.2 mm	0.8 - 1.2 mm
Diameter of feed rolls	32mm	32mm	32mm
Welding current and voltage range, MIG	15 A/10 V - 350 A/ 45 V 15 A/10 V - 300 A/ 40 V	15 A/10 V - 350 A/ 45 V; 15 A/10 V - 300 A/ 40 V	15 A/10 V - 350 A/ 45 V; 15 A/10 V - 300 A/ 40 V
Welding current and voltage range, TIG	15 A/1 V - 350 A/ 45 V; 15 A/1 V - 300 A/ 40 V	15 A/1 V - 350 A/ 45 V; 15 A/1 V - 300 A/ 40 V	15 A/1 V - 350 A/ 45 V; 15 A/1 V - 300 A/ 40 V
Welding current and voltage range, MMA	15 A/10 V - 330 A/ 45 V; 15 A/10 V - 280 A/ 40 V	15 A/10 V - 330 A/ 45 V; 15 A/10 V - 280 A/ 40 V	15 A/10 V - 330 A/ 45 V; 15 A/10 V - 280 A/ 40 V
Shielding gas pressure (max)	0.5 MPa	0.5 MPa	0.5 MPa
External dimensions LxWxH	602 x 298 x 447 mm	602 x 298 x 447 mm	602 x 298 x 447 mm
Weight (no accessories)	27 kg	27 kg	27 kg
Degree of protection	IP23S	IP23S	IP23S
Standards	IEC 60974-1, -10	IEC 60974-1, -10	IEC 60974-1, -10
EMC class	A	A	A
Operating temperature range	-20...+40 °C	-20...+40 °C	-20...+40 °C
Storage temperature range	-40...+60 °C	-40...+60 °C	-40...+60 °C



## Master M Coolers

## Master M Cooler

## Master M Cooler MV

Product code	MSMC1KW	MSMC1KWM
Recommended coolant	MGP 4456 (Kemppi mixture)	MGP 4456 (Kemppi mixture)
External dimensions LxWxH	635 x 305 x 292 mm	635 x 305 x 292 mm
Weight (no accessories)	14.9 kg	14.9 kg
Standards	IEC 60974-2, -10	IEC 60974-2, -10
Tank volume	3 l	3 l
EMC class	A	A
Cooling power	1.0 kW	1.0 kW
Storage temperature range	-40...+60 °C	-40...+60 °C
Operating temperature range (with recommended coolant)	-20...+40 °C	-20...+40 °C
Degree of protection (when mounted)	IP23S	IP23S

## ACCESSORIES

### Flexlite TX - Master M

Product code	TX223GE4 (4 m) TX253WSE4 (4 m) TX353WE4 (4 m)
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### Master M Cooler

Product code	MSMC1KW
Recommended coolant	MGP 4456 (Kemppi mixture)
External dimensions LxWxH	635 x 305 x 292 mm
Weight (no accessories)	14.9 kg
Standards	IEC 60974-2, -10
Tank volume	3 l
EMC class	A
Cooling power	1.0 kW
Storage temperature range	-40...+60 °C
Operating temperature range (with recommended coolant)	-20...+40 °C
Degree of protection (when mounted)	IP23S



## Master M Cooler MV

Product code	MSMC1KWM
Recommended coolant	MGP 4456 (Kemppi mixture)
External dimensions LxWxH	635 x 305 x 292 mm
Weight (no accessories)	14.9 kg
Standards	IEC 60974-2, -10
Tank volume	3 l
EMC class	A
Cooling power	1.0 kW
Storage temperature range	-40...+60 °C
Operating temperature range (with recommended coolant)	-20...+40 °C
Degree of protection (when mounted)	IP23S



## SuperSnake GTX - subfeeder

Product code	<p>Packages</p> <p>SuperSnake GTX GAS 10m package, 50mm<sup>2</sup>: P400GTX SuperSnake GTX GAS 15m package, 50mm<sup>2</sup>: P401GTX SuperSnake GTX GAS 20m package, 50mm<sup>2</sup>: P402GTX SuperSnake GTX GAS 25m package, 50mm<sup>2</sup>: P403GTX SuperSnake GTX WATER 10m package, 50mm<sup>2</sup>: P404GTX SuperSnake GTX WATER 15m package, 50mm<sup>2</sup>: P405GTX SuperSnake GTX WATER 20m package, 50mm<sup>2</sup>: P406GTX SuperSnake GTX WATER 25m package, 50mm<sup>2</sup>: P407GTX SuperSnake GTX WATER 10m package, 70mm<sup>2</sup>: P408GTX All packages include SuperSnake GTX motor drive unit and frame (SGTXMDUPF01) and cable</p> <p>Other</p> <p>SuperSnake GTX motor drive unit: SGTXMDU01 SuperSnake GTX protection frame: SGTXPF01 SuperSnake GTX motor drive unit and frame: SGTXMDUPF01 SuperSnake Kit X5 Feeder: X5702030000</p> <p>Cables</p> <p>SuperSnake GTXG 10m cable, 50mm<sup>2</sup> (Std liner FE 1.0-1.6mm): SGTXG105CBL SuperSnake GTXG 15m cable, 50mm<sup>2</sup> (Std liner FE 1.0-1.6mm): SGTXG155CBL SuperSnake GTXG 20m cable, 50mm<sup>2</sup> (Std liner FE 1.0-1.6mm): SGTXG205CBL SuperSnake GTXG 25m cable, 50mm<sup>2</sup> (Std liner FE 1.0-1.6mm): SGTXG255CBL SuperSnake GTXW 10m cable, 50mm<sup>2</sup> (Std liner FE 1.0-1.6mm): SGTXW105CBL SuperSnake GTXW 15m cable, 50mm<sup>2</sup> (Std liner FE 1.0-1.6mm): SGTXW155CBL SuperSnake GTXW 20m cable, 50mm<sup>2</sup> (Std liner FE 1.0-1.6mm): SGTXW205CBL SuperSnake GTXW 25m cable, 50mm<sup>2</sup> (Std liner FE 1.0-1.6mm): SGTXW255CBL SuperSnake GTXW 10m cable, 70mm<sup>2</sup> (Std liner FE 1.0-1.6mm): SGTXW107CBL</p>
Description	subfeeder
Output 60% ED	350 A
Wire feed mechanism	2-roll
Wire feed speed	1...25 m/min
Gun connection	Euro
Wire recommendation, 25m Solid Fe/Ss	1.0...1.6 mm
Wire recommendation, 25m Al alloys	1.2...1.6 mm
Wire recommendation, 25m, FCW/MCW	1.2...1.6 mm
Cable diameter	50/70 mm <sup>2</sup>
Supply voltage	48 VDC
Protection class	IP23S
Degree of protection	IP23S
External dimensions without protective frame L x W x H	400 mm x 127 mm x 150 mm
External dimensions with protective frame L x W x H	682 mm x 174 mm x 159 mm



## SuperSnake GTX04HD - subfeeder

Product code	SGTX04HD01 (incl. motor drive unit and frame) Interconnection cables: Cables SuperSnake GTXG 10m cable, 50mm <sup>2</sup> (Std liner FE 1.0-1.6mm): SGTXG105CBL SuperSnake GTXG 15m cable, 50mm <sup>2</sup> (Std liner FE 1.0-1.6mm): SGTXG155CBL SuperSnake GTXG 20m cable, 50mm <sup>2</sup> (Std liner FE 1.0-1.6mm): SGTXG205CBL SuperSnake GTXG 25m cable, 50mm <sup>2</sup> (Std liner FE 1.0-1.6mm): SGTXG255CBL SuperSnake GTXW 10m cable, 50mm <sup>2</sup> (Std liner FE 1.0-1.6mm): SGTXW105CBL SuperSnake GTXW 15m cable, 50mm <sup>2</sup> (Std liner FE 1.0-1.6mm): SGTXW155CBL SuperSnake GTXW 20m cable, 50mm <sup>2</sup> (Std liner FE 1.0-1.6mm): SGTXW205CBL SuperSnake GTXW 25m cable, 50mm <sup>2</sup> (Std liner FE 1.0-1.6mm): SGTXW255CBL SuperSnake GTXW 10m cable, 70mm <sup>2</sup> (Std liner FE 1.0-1.6mm): SGTXW107CBL
Description	subfeeder
Output 60% ED	350 A
Output 100% ED	270 A
Wire feed mechanism	4-roll, single-motor
Wire feed speed	1...25 m/min
Filler wires, Ss	1.0...1.6 mm
Filler wires, Al	1.2...1.6 mm
Filler wires, Fe	1.0...1.6 mm
Filler wires, MC/FC	1.2...1.6 mm
Supply voltage	12 V
Diameter of feed rolls	32 mm
Shielding gas pressure (max)	0.5 MPa
External dimensions LxWxH	561 x 241 x 200 mm
Standards	EN IEC 60974-5:2019, EN IEC 60974-10:2020
EMC class	A
Operating temperature range	-20...+40 °C
Storage temperature range	-40...+60 °C

## SuperSnake Kit

Product code	SP023803
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## HR40

Description	Remote control
Product code	HR40



## GXR10

Description	Gun Remote
Product code	GXR10

## Digital Connectivity Module (DCM) Modbus TCP

Product code	6265051
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## T35A Travel Cart

Product code	T35A
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## T25MT

Description	Cart
Product code	T25MT

## P43MT

Description	Trolley
Product code	P43MT

## P45MT

Description	Transport unit
Product code	P45MT

## Master M Power Source Filter Kit

Product code	SP023312
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## Rotameter Gas Flow Regulation Kit

Product code	SP801136
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## Cabinet Heater Kit

Product code	SP021614
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## MMA Euro Connector 500A

Product code	SP801140
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