

# KEMPOMAT



## Simplicity and style

Kempomat MIG/MAG machines are step switched machines designed for professionals. Expect superior performance from Kempomat; welding machines with a solid build quality and a reputation built on solid reliability. Kempomat range covers compact MIG/MAG machines from 170 to 420 Amp. Kempomat 1701, 2100 and 2500 are designed for light to medium industrial use including repair and maintenance workshops. These machines are equipped with 2-wheel drive wire feed. Kempomat 3200 and 4200 are designed for heavy industrial use and are equipped with 4-wheel drive wire feed mechanism. Kempki also manufactures a range of quality MIG/MAG guns. Kempomat machines combined with lightweight and well-balanced Kempki MMT MIG guns provide a perfect solution for sheet metal fabrication and any repair or maintenance work. Kempki MIG/MAG products guarantee you quality welding and arc performance.

Kempomat 1701 and 2100 are also fitted with an external polarity changing system for gas shielded or gasless wire welding. Kempomat 2100, 2500, 3200 and 4200 are fitted with a choice of inductance settings. Kempomat has a timer unit for cycle arc and spot welding as well as 2/4 T sequence function. The 2/4T welding sequence procedure reduces operator fatigue when welding; increasing productivity and welding quality. Kempomat 1701 is equipped with 8-step voltage control and Kempomat 2100 and 2500 with 10-step control. Kempomat 3200 has a 40-step control and Kempomat 4200 a 56-step control (32 steps in 230V machine). The operation range of Kempomat 2500, 3200 and 4200 can be extended with push-pull welding guns using the Kempki KMW Synchronizing unit. These models can also be equipped with V/A-meter unit, MSD-1.

## Kempomat range:

- Kempomat 1701      230V 1ph
- Kempomat 2100      230/400V
- Kempomat 2500      230/400V
- Kempomat 3200      230/400V
- Kempomat 4200      400V
- Kempomat 4200      230V

## Benefits

- User friendly
  - Easy voltage and wire feed control
- Quality welds
  - Strong and precise wire feed mechanism
  - Inductance selection improves arc performance

## Main applications

- Light and medium workshops
- Repair and Maintenance
- Installation
- Car repair
- Agriculture

## Technical Data

KempoMat		2100	2500
Mains voltage	3~400V	380 V -10 %...415 +6 %	380 V -10 %...415 +6 %
	3~230V	220 V -10 %...240 +6 %	220 V -10 %...240 +6 %
Load capacity 40 °C	40% ED	200 A / 23 V (25%)	250 A / 26 V (30%)
	100% ED	100 A / 19 V	140 A / 21 V
Filler wires	∅	0.6...1.2 mm	0.6...1.2 mm
External dimensions	L x W x H	910 x 410 x 820 mm	930 x 440 x 860 mm
Weight		54 kg	80 kg

KempoMat		3200	4200
Mains voltage	3~400V	380 V -10 %...415 +6 %	380 V -10 %...415 +6 %
	3~230V	220 V -10 %...240 +6 %	220 V -10 %...240 +6 %
Load capacity 40 °C	40% ED	320 A / 32 V	420 A / 37.5 V
	100% ED	205 A / 24 V	265 A / 27 V
Filler wires	∅	0.6...1.6 mm	0.6...1.6 mm
External dimensions	L x W x H	970 x 480 x 970 mm	970 x 480 x 970 mm
Weight		118 kg	130 kg

KempoMat		2001	2501	1701
Mains voltage	1~240V	220 V -10 %...240 +6 %	220 V -10 %...240 +6 %	1~230 V, 220 V -10 %...240 +6 %
Connection cable, fuse delayed		3 x 2.5 mm <sup>2</sup> / 20 A	3 x 4.0 mm <sup>2</sup> / 25 A	3 x 1.5 mm <sup>2</sup> / 16 A
Load capacity 40 °C	30% ED	200 A / 24 V	250 A / 26.5 V	170 A / 21 V (15%)
	100% ED	110 A / 19.5 V	135 A / 20.5 V	76 A / 17.5 V
Filler wires	∅	0.6...1.2 mm	0.6...1.2 mm	0.6...1.2 mm
External dimensions	L x W x H	910 x 420 x 840 mm	910 x 420 x 840 mm	850 x 392 x 750 mm
Weight		76 kg	82 kg	47 kg



## Order Information

<b>Kempomat 1701 set</b> (incl. 230V power source, KMG 20 - 3 m, earth cable 16 mm <sup>2</sup> , 5 m)	6214171
<b>Kempomat 2100 set</b> (incl. 230/400V power source, MMT 25 - 3m, earth cable 25 mm <sup>2</sup> , 5 m)	KMAT21003MMT
Kempomat 2100 set (incl. 230/400V power source, MMT 25 - 4.5 m, earth cable 25 mm <sup>2</sup> , 5 m)	KMAT21004MMT
<b>Kempomat 2500 set</b> (incl. 230/400V power source, MMT 25 - 3 m, earth cable 25 mm <sup>2</sup> , 5 m)	KMAT25003MMT
Kempomat 2500 set (incl. 230/400V power source, MMT 25 - 4.5 m, earth cable 25 mm <sup>2</sup> , 5 m)	KMAT25004MMT
<b>Kempomat 3200 set</b> (incl. 230/400V power source, MMT 32 - 3 m, earth cable 35 mm <sup>2</sup> , 5 m)	KMAT32003MMT
Kempomat 3200 set (incl. 230/400V power source, MMT 32 - 4.5 m, earth cable 35 mm <sup>2</sup> , 5 m)	KMAT32004MMT
<b>Kempomat 4200 set</b> (incl. 230V power source, MMT 42-3 m, earth cable 50 mm <sup>2</sup> , 5 m)	KMAT42003MMT230
Kempomat 4200 set (incl. 230V power source, MMT 42-4.5 m, earth cable 50 mm <sup>2</sup> , 5 m)	KMAT42004MMT230
Kempomat 4200 set (incl. 400V power source, MMT 42-3 m, earth cable 50 mm <sup>2</sup> , 5 m)	KMAT42003MMT
Kempomat 4200 set (incl. 400V power source, MMT 42 - 4.5 m, earth cable 50 mm <sup>2</sup> , 5 m)	KMAT42004MMT
<b>Kempomat 2001 set</b> (incl. 240V power source, MMT 25 - 3 m, earth cable 35 mm <sup>2</sup> , 5 m)	S6211200
<b>Kempomat 2501 set</b> (incl. 240V power source, MMT 25 - 3 m, earth cable 35 mm <sup>2</sup> , 5 m)	S6211250
<b>KMW sync 2</b> (sync. unit for push pull gun)	6219150
<b>MSD-1 meter unit</b> / 2500, 3200, 4200	6185666
<b>GH 20 gun holder</b>	6256020
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