

## 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.

Kemppi also manufactures a range of quality MIG/MAG guns. Kempomat machines combined with lightweight and well-balanced Kemppi MMT Mig guns provide a perfect solution for sheet metal fabrication and any repair or maintenance work. With Kemppi MIG/MAG products you can guarantee quality welding and arc performance.

### Kempomat range:

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



- Rugged and durable construction for industry
- Easy voltage and wire feed control
- Quality undercarriage ensures maximum mobility
- Strong and precise wire feed mechanism
- Inductance selection improves 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. The operation range of Kempomat 2500, 3200 and 4200 can be extended with push-pull welding guns using the Kemppi KMW Synchronizing unit. These models can also be equipped with V/A-meter unit, MSD-1.



### Main applications

- Light and medium workshops
- Repair and maintenance

# Technical data

Kempomat		1701	2100	2500	3200	4200
Rated voltage 50/60 Hz		1~ 230 V	3~ 230 V / 3~ 400 V	3~ 230 V / 3~ 400V	3~ 230 V 3~ 400 V	3~ 230V 3~ 400V
Connection capacity	15% ED	6.5 kVA	-	-	-	-
	25% ED	-	7.5 kVA	-	-	-
	30% ED	-	-	9.2 kVA	-	-
	40% ED	-	-	-	13.6 kVA	18.5 kVA
	60% ED	3.0 kVA	4.0 kVA	5.9 kVA	10.0 kVA	13.5 kVA
	100% ED	2.3 kVA	2.8 kVA	4.0 kVA	6.6 kVA	9.0 kVA
Fuse delayed		16 A	10 A	10 A	16 A	16 A
Loading capacity	15% ED	170 A / 21 V	-	-	-	-
	25% ED	-	200 A / 23 V	-	-	-
	30% ED	-	-	250 A / 26 V	-	-
	40% ED	-	-	-	320 A / 32 V	420 A / 37,5 V
	60% ED	85 A / 18.5 V	130 A / 20.5 V	180 A / 23 V	265 A / 27 V	325 A / 31 V
	100% ED	76 A / 17.5 V	100 A / 19 V	140 A / 21 V	205 A / 24 V	265 A / 27 V
Voltage steps		8	10	10	40	56 (*)
Filler wires mm ø	Fe, Ss	0.6 ... 1.0	0.6 ... 1.0	0.6 ... 1.2	0.6 ... 1.2	0.6 ... 1.2
	Cored wire	0.9 ... 1.2	0.9 ... 1.2	0.8 ... 1.2	0.8 ... 1.6	0.8 ... 1.6
	Al	1.0	1.0	1.0 ... 1.2	1.0 ... 1.6	1.0 ... 1.6
Dimensions	L x W x H mm	850 x 392 x 750	910 x 410 x 820	930 x 440 x 860	970 x 480 x 970	970 x 480 x 970
Weight	kg	47	54	80	118	130

\*) 32 steps (230V)

## Order information

Kempomat 1701 set (incl. 230V power source, KMG 20 - 3 m, earth cable 16 mm<sup>2</sup>, 5 m)  
 Kempomat 2001 set (incl. 240V power source, MMT 25 - 3 m, earth cable 35 mm<sup>2</sup>, 5 m)  
 Kempomat 2100 set (incl. 230/400V power source, MMT 25 - 3m, earth cable 25 mm<sup>2</sup>, 5 m)  
 Kempomat 2100 set (incl. 230/400V power source, MMT 25 - 4.5 m, earth cable 25 mm<sup>2</sup>, 5 m)  
 Kempomat 2500 set (incl. 230/400V power source, MMT 25 - 3 m, earth cable 25 mm<sup>2</sup>, 5 m)  
 Kempomat 2500 set (incl. 230/400V power source, MMT 25 - 4.5 m, earth cable 25 mm<sup>2</sup>, 5 m)  
 Kempomat 2501 set (incl. 240V power source, MMT 25 - 3 m, earth cable 35 mm<sup>2</sup>, 5 m)  
 Kempomat 3200 set (incl. 230/400V power source, MMT 32 - 3 m, earth cable 35 mm<sup>2</sup>, 5 m)  
 Kempomat 3200 set (incl. 230/400V power source, MMT 32 - 4.5 m, earth cable 35 mm<sup>2</sup>, 5 m)  
 Kempomat 4200 set (incl. 230V power source, MMT 42 - 3 m, earth cable 50 mm<sup>2</sup>, 5 m)  
 Kempomat 4200 set (incl. 230V power source, MMT 42 - 4.5 m, earth cable 50 mm<sup>2</sup>, 5 m)  
 Kempomat 4200 set (incl. 400V power source, MMT 42 - 3 m, earth cable 50 mm<sup>2</sup>, 5 m)  
 Kempomat 4200 set (incl. 400V power source, MMT 42 - 4.5 m, earth cable 50 mm<sup>2</sup>, 5 m)

6214171  
 S6211200  
 KMAT21003MMT  
 KMAT21004MMT  
 KMAT25003MMT  
 KMAT25004MMT  
 S6211250  
 KMAT32003MMT  
 KMAT32004MMT  
 KMAT42003MMT230  
 KMAT42004MMT230  
 KMAT42003MMT  
 KMAT42004MMT

KMW Sync 2 (Synchronization unit) 6219150  
 MSD-1 (Volt / Ampere metering unit) 6185666  
 GH 20 (Gun holder) 6256020  
 Hub for wire reel 4289880

MMT 25 3 m 6252513MMT  
 MMT 25 4.5 m 6252514MMT  
 MMT 27 3 m 6252713MMT  
 MMT 27 4.5 m 6252714MMT  
 MMT 32 3 m 6253213MMT  
 MMT 32 4.5 m 6253214MMT  
 MMT 35 3 m 6253513MMT  
 MMT 35 4.5 m 6253514MMT  
 MMT 42 3 m 6254213MMT  
 MMT 42 4.5 m 6254214MMT  
 KMP 300 6 m 6257306  
 KMP 300 8 m 6257310

