

# KEMPOWELD



## Basic MIG/MAG welding machines with separate wire feed units

Kempoweld is a range of step-controlled MIG/MAG machines with separate wire feed units. The feed units can be mounted on the power source or taken to the work location via fitting longer interconnection cables. Kempoweld benefits from class leading performance, robust construction and simple power regulation. The user selects the required voltage from the power source range switches and then adjusts the wire feed speed to suit.

## Kempoweld range

- gas-cooled 320 and 420 A
- water-cooled 320, 420 and 550 A (in-built cooling unit)



## Steady and disturbance-free wire feed Wire 200, 400 and 550

Kempoweld wire feed units feature durable and reliable feeding. Two and four roll drive mechanisms include stepless speed control allowing the correct value selection in any application. The automatic wire loading and wire inch controls save time in spool change.

Kempoweld Wire feed models 200, 400 and 550 are designed and built to provide trouble-free service with increased life. Kempoweld wire feed mechanisms and 'user' supplied wire spools are fully enclosed inside the wire feed casing, avoiding contamination from the working environment. Burn-back time regulation is included as standard allowing the operator to control 'wire termination shape' at the end of welding cycle.

## Benefits

- Easy to use
  - Basic MIG/MAG power regulation
- Productivity and Quality
  - Reliable and robust wire feeding system guarantees excellent results
  - Arc dynamics adjustment
- Reliability
  - Lightweight wire feeder includes controls protected against damage

## Main applications

- Metal fabrication workshops
- Steel structure workshops
- Repair and Maintenance

## Technical Data

Kempoweld Power sources		3200, 3200W	4200, 4200W	5500W	2501
Mains voltage	3~400V	380 V -10%...415+6%	380 V -10%...415+6%	380 V -10%...415+6%	-
	3~230V	220 V -10%...240+6%	220 V -10%...240+6%	-	1~220 V -10%...240+6%
Connection cable / fuse delayed	200-240V	4 x 2.5 mm <sup>2</sup> / 20A	4 x 6.0 mm <sup>2</sup> / 25A	-	3 x 4.0 mm <sup>2</sup> / 25A
	380-415V	4 x 2.5 mm <sup>2</sup> / 16A	4 x 2.5 mm <sup>2</sup> / 16A	4 x 6.0 mm <sup>2</sup> / 32A	-
Load capacity 40 °C	40% ED	320 A / 32 V	420 A / 37.5 V	550 A / 42 V (60%)	250 A / 26.5 V (30%)
	100% ED	205 A / 24 V	265 A / 27 V	430 A / 36 V	135 A / 20.5 V
Open circuit voltage		15-42 V 40 steps	15-48 V 56 steps (*)	18-56 V 32 steps	
External dimensions	L x W x H	3200: 990 x 530 x 880 mm	4200: 990 x 530 x 880 mm	1075 x 480 x 1140 mm	940 x 430 x 750 mm
		3200W: 990 x 530 x 1090 mm	4200W: 990 x 530 x 1090 mm		
Weight		3200: 106 kg	4200: 126 kg	194 kg	66 kg
		3200W: 118 kg	4200W: 138 kg		

\*) 32 steps (230V)

Kempoweld Wire feeders		Wire 200	Wire400	Wire550
Operating voltage	50/60 Hz	30 V AC	30 V AC	30 V AC
Load capacity 40 °C	40% ED	400 A	400 A	550 A (60%)
	100% ED	260 A	260 A	430 A
Feeding mechanism		2-roll drive	4-roll drive	4-roll drive
Filler wires	∅	0.6...1.6 mm	0.6...1.6 mm	0.6...2.4 mm
External dimensions	L x W X H	570 x 210 x 440 mm	570 x 210 x 440 mm	570 x 210 x 440 mm
Weight		12 kg	12 kg	13 kg

## Order Information

Power sources		Gas-cooled interconnection cables	
Kempoweld 3200,230/400V	621532002	KW 50-1.3-GH	6260350
Kempoweld 4200, 230V	6215422	KV 400 50-1.5.GH (with the swing arm)	6260351
Kempoweld 4200, 400V	6215424	MULTIMIG 50-5-GH	626010401
Kempoweld 4200W, 230V	6216422	MULTIMIG 50-10-GH	626010601
Kempoweld 4200W, 400V	6216424	Water-cooled interconnection cables	
Kempoweld 5500W, 400V	6216554	KW 50-1.5-WH	6260352
Kempoweld 2501 package*, 240V	S6211255	KV 400 50-1.7-WH (with the swing arm)	6260353
Wire feeders		KW 50-5-WH	626035401
Wire 200 (2-roll drive)	62172001	KW 50-10-WH	626035601
Wire 400 (4-roll drive)	621740001	KW 95-1.5-W	6260391
Wire 550 (4-roll drive)	621755001	KW 95-5-WH	6260393
Metering unit		KW 95-10-WH	6260394
MSD-1 V/A (standard / 5500 W)	6185666	KV 400 95-1.9-WH (with the swing arm)	6260392
Synchronizing unit		Branch cable for KMP	
KMW Sync 2	6219150	3151360	
Swing arm KV 400		MIG MMT welding guns page 33	
	6185247		

\*Package includes: Wire 200 wire feeder, KMG 25 3m MIG- gun, KW 35-5-GH, 5m interconnection cable, earth cable 5m