

Kempact RA

NEW STANDARDS IN THE COMPACT MIG/MAG CLASS





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Designed for the modern welding workshop, Kempact RA expresses stylish and purposeful design through high build quality and functional user benefits, making weld tasks productive, accurate and efficient.

Kempact RA is built on Kempfi's latest power source platform, ensuring optimal welding performance and excellent power cost efficiency. Eleven model options include 180, 250 and 320 ampere power sources, including a choice of either Regular (R) or Adaptive (A) control panel interface, which serve the wide ranging needs of metal fabrication workshops. Delivery specification includes welding gun and earth return lead pack.

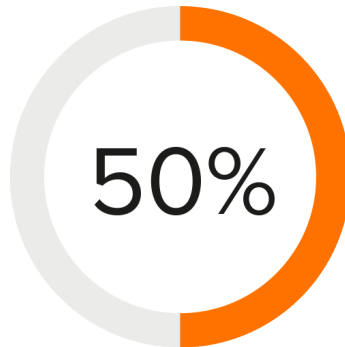


KEY BENEFITS



SAVINGS ON ENERGY COSTS

Compared to conventional step-controlled power sources



FASTER MACHINE SETTING

Using the memory channels



KEMPPI WARRANTY

Covers machine parts and labor

BENEFITS

- Modern, energy efficient power source
- Excellent welding performance with mixed or CO₂ shielding gas
- Precise, clean arc ignition
- Maximum output at 35 % duty cycle
- Large, clear LCD display
- WireLine™ service indicator
- GasMate™ chassis design featuring floor level cylinder loading
- Brights™ cabinet lighting
- HotSpot™ heat treatment function
- 2T/4T gun switch latching
- Spot and cycle arc timer
- Parts storage trays
- 3.5 m FE welding gun
- Kemppi 3+ warranty



PRODUCT OPTIONS



Kempact 181A

Kempfi K5 compact welder for cost-efficient MIG/MAG welding, delivering 180 A with a 1-phase 230 V power supply. Kempact 181A includes an Adaptive control panel, 2-roll wire drive unit (GT02C), FE welding gun and earth return lead pack.



Kempact 251A

Kempfi K5 compact welder for cost-efficient MIG/MAG welding, delivering 250 A with a 1-phase 240 V power supply. Kempact 251A includes an Adaptive control panel, 2-roll wire drive unit (GT02C), FE welding gun and earth return lead pack.



Kempact 251R

Kempfi K3 compact welder for cost-efficient MIG/MAG welding, delivering 250 A with a 1-phase 240 V power supply. Kempact 251R includes a Regular control panel, 2-roll wire drive unit (GT02C), FE welding gun and earth return lead pack.



Kempact 253 AMV

Kempfi K5 compact multi-voltage MIG/MAG welder, delivering 250 A with a 3-phase 230-400 V power supply. Kempact 253 AMV includes an Adaptive control panel, DuraTorque 4-roll wire drive unit, FE welding gun and earth return lead pack.



Kempact 253 RMV

Kempfi K3 compact multi-voltage MIG/MAG welder, delivering 250 A with a 3-phase 230-400 V power supply. Kempact 253 RMV includes a Regular control panel, DuraTorque 4-roll wire drive unit, FE welding gun and earth return lead pack.



Kempact 253A

Kempfi K5 compact welder for cost-efficient MIG/MAG welding, delivering 250 A with a 3-phase 400 V power supply. Kempact 253A includes an Adaptive control panel, DuraTorque 4-roll wire drive unit, FE welding gun and earth return lead pack.



Kempact 253R

Kempfi K3 compact welder for cost-efficient MIG/MAG welding, delivering 250 A with a 3-phase 400 V power supply. Kempact 253R includes a Regular control panel, DuraTorque 4-roll wire drive unit, FE welding gun and earth return lead pack.



Kempact 323 AMV

Kempfi K5 compact multi-voltage MIG/MAG welder, delivering 320 A with a 3-phase 230-400 V power supply. Kempact 323 AMV includes an Adaptive control panel, DuraTorque 4-roll wire drive unit, FE welding gun and earth return lead pack.



Kempact 323 RMV

Kempfi K3 compact multi-voltage MIG/MAG welder, delivering 320 A with a 3-phase 230-400 V power supply. Kempact 323 RMV includes a Regular control panel, DuraTorque 4-roll wire drive unit, FE welding gun and earth return lead pack.



Kempact 323A

Kempfi K5 compact welder for cost-efficient MIG/MAG welding, delivering 320 A with a 3-phase 400 V power supply. Kempact 323A includes an Adaptive control panel, DuraTorque 4-roll wire drive unit, FE welding gun and earth return lead pack.



Kempact 323R

Kempfi K3 compact welder for cost-efficient MIG/MAG welding, delivering 320 A with a 3-phase 400 V power supply. Kempact 323R includes a Regular control panel, DuraTorque 4-roll wire drive unit, FE welding gun and earth return lead pack.



FEATURES



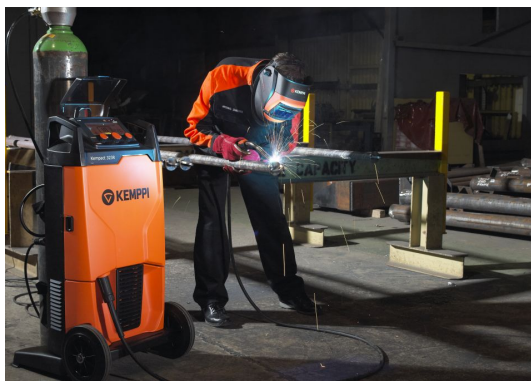
Turn on the heat with HotSpot

Perfect for vehicle repair and thin sheet fabrication environments, the HotSpot™ function with four different heat settings makes metal shrinking and component heating simple and convenient. Simply fit the carbon electrode set to the FE welding gun and activate HotSpot™ on the control panel. An electrical circuit is formed once the carbon electrode touches the work piece, which gently heats the metal's surface. HotSpot™ can also be used to heat and help release corroded nuts and bolts and other metal components.



Floor level design

GasMate chassis design makes gas cylinder collection, storage and movement easy. Gas cylinders are floor level loaded and secured with a strong fabric webbing system.



Kempact RA gets the job done

Kempact RA is ideal for a variety of MIG/MAG welding applications. From vehicle repair to light and medium fabrication workshops, Kempact RA is an equipment that gets the job done, simply and reliably.



Special features in Kempact Adaptive (A) models

In addition to all standard features provided in Regular panels with manual set-up, Adaptive panels include plate thickness control, filler materials selection and four memory channels combined with an adaptive mode set-up for your convenience.



Special features in Kempact Regular (R) models

Regular (R) models provide manual setup function for voltage and wirefeed speed and incorporate a wide range of standard features including, GAS type selection, 2T/4T gun latching mode, SPOT/CYCLE arc timer and HOT SPOT function, a specialist localised heat treatment function for professional thin sheet fabricators and automotive repair engineers.



ACCESSORIES



FE gun range

The FE range's great combination of professional performance with the comfort, value, and flexibility of a gas-cooled MIG/MAG gun suited to light to medium duty performance, makes it a solid choice for our customers.



MMT/PMT gun range

Whether you're welding ships' hulls or pleasure boats, rail cars or racing cars, you can trust Kemppi MMT and PMT guns to deliver value to every weld. This range includes guns for both manual and mechanized welding.



Carbon electrode holder



Carbon electrode 10-100



TECHNICAL SPECIFICATIONS

Kempact	Kempact 181A	Kempact 251R
Connection voltage 1~ 50/60 Hz	230 V \pm 15%	240 V \pm 15%
Fuse (delayed)	16 A	20 A
Welding range	10 V/20 A–26 V/180 A	10 V/20 A–29 V/250 A
Open circuit voltage	36V	36V
Wire feed speed adjustment	1.0 - 14.0 m/min	1.0 - 18.0 m/min
Filler wire sizes (Fe solid)	0.8...1.2 mm	0.8...1.2 mm
Filler wire sizes (Fe cored)	0.8...1.2 mm	0.8...1.2 mm
Filler wire sizes (Ss)	0.8...1.2 mm	0.8...1.2 mm
Filler wire sizes (Al)	1.0...1.2 mm	1.0...1.2 mm
Operating temperature range	-20...+40 °C	-20...+40 °C
External dimensions LxWxH	623 × 579 × 1070 mm	623 × 579 × 1070 mm
Weight (no accessories)	44 kg	44 kg
Degree of protection	IP23S	IP23S
Standards	IEC 60974-1, IEC 60974-5, IEC 60974-10, IEC 61000-3-12	IEC 60974-1, IEC 60974-5, IEC 60974-10, IEC 61000-3-12

Kempact	Kempact 253R	Kempact 323R
Connection voltage 3~ 50/60 Hz	400 V \pm 15%	400 V \pm 15%
Fuse (delayed)	10 A	10 A
Welding range	10 V/20 A–31 V/250 A	10 V/20 A–32.5 V/320 A
Open circuit voltage	38V	40V
Wire feed speed adjustment	1.0 - 18.0 m/min	1.0 - 20.0 m/min
Filler wire sizes (Fe solid)	0.8...1.2 mm	0.8...1.2 mm
Filler wire sizes (Fe cored)	0.8...1.2 mm	0.8...1.2 mm
Filler wire sizes (Ss)	0.8...1.2 mm	0.8...1.2 mm
Filler wire sizes (Al)	1.0...1.2 mm	1.0...1.2 mm
Operating temperature range	-20...+40 °C	-20...+40 °C
External dimensions LxWxH	623 × 579 × 1070 mm	623 × 579 × 1070 mm
Weight (no accessories)	44 kg	44 kg
Degree of protection	IP23S	IP23S
Standards	IEC 60974-1, IEC 60974-5, IEC 60974-10	IEC 60974-1, IEC 60974-5, IEC 60974-10



Kempact

Kempact 253 RMV

Kempact 323 RMV

Connection voltage 3~ 50/60 Hz	230 V -15%...400 V +15%	230 V -15%...400 V +15%
Fuse (delayed)	16 A (230 V) 10 A (400 V)	16A (230V) 10A (400V)
Welding range	10 V/20 A–31 V/250 A	10 V/2 0A–32.5 V/320 A
Open circuit voltage	46V	40V
Wire feed speed adjustment	1.0 - 18.0 m/min	1.0 - 20.0 m/min
Filler wire sizes (Fe solid)	0.8...1.2 mm	0.8...1.2 mm
Filler wire sizes (Fe cored)	0.8...1.2 mm	0.8...1.2 mm
Filler wire sizes (Ss)	0.8...1.2 mm	0.8...1.2 mm
Filler wire sizes (Al)	1.0...1.2 mm	1.0...1.2 mm
Operating temperature range	-20...+40 °C	-20...+40 °C
External dimensions LxWxH	623 × 579 × 1070 mm	623 × 579 × 1070 mm
Weight (no accessories)	44 kg	44 kg
Degree of protection	IP23S	IP23S
Standards	IEC 60974-1, IEC 60974-5, IEC 60974-10	IEC 60974-1, IEC 60974-5, IEC 60974-10

WWW.KEMPPI.COM

Kemppi is the pioneering company within the welding industry. It is our role to develop solutions that make you win business. Headquartered in Lahti, Finland, Kemppi employs over 800 welding experts in 17 countries and has a revenue of more than 150 MEUR. Our offering includes welding solutions - intelligent equipment, welding management software and expert services - for both demanding industrial applications and ready-to-weld needs. Local expertise is available via our global partner network covering over 60 countries.

