

Kempact 323A

POWER, DESIGN AND EXCELLENT PERFORMANCE

"The usability and welding characteristics of Kempact RA in 0,8 mm solid wire totally fulfils the requirements in basic applications, and our welders could not agree more!"

– Jan-Åke Knutsson, Production Manager, Proton Engineering



MODERN KEMPPi MIG/MAG WELDER FOR ENERGY EFFICIENT AND COST-EFFECTIVE WELDING

Kempact 323A has been designed with one thing in mind – its user. From the convenient waist height LCD control panel and the innovative chassis design to several useful features and functions, a rewarding welding experience is guaranteed. Moreover, Kempact 323A can provide savings of more than 10% on energy costs while ensuring optimal welding performance. To top that off, Kempact 323A's Adaptive control panel allows you to improve welding accuracy with a convenient memory channel function and adaptive set-up where welding power is automatically set according to plate thickness selection. Standard features, such as a localized heat treatment function perfect for thin sheet fabrication and automotive repair, are available throughout the whole Kempact RA range. The delivery specification includes a welding gun and earth return lead pack.

The Kempact RA product family has received the iF Product Design Award in 2012.

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

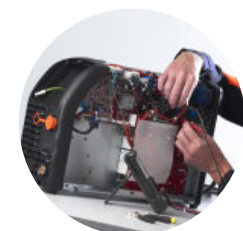
KEY APPLICATIONS



COMPONENT MANUFACTURING



THIN SHEET FABRICATION



REPAIR AND MAINTENANCE

BENEFITS



- Modern, energy efficient power source
- Strong and durable pressed steel and moulded plastic construction
- Excellent welding performance with mixed or CO2 shielding gas
- Precise, clean arc ignition
- Maximum output at 35% duty cycle
- GasMate™ chassis design enables easy and safe floor level cylinder loading and machine movement
- Large LCD display with a protective Plexiglas cover and lens plate
- Brights™ cabinet lighting for wire loading in low light conditions
- Convenient HotSpot™ heat treatment function
- Wire drive system maintenance alert with Wireline™ service symbol
- Spot / Cycle arc timer
- 2T / 4T gun latching mode
- Polarity change terminals located inside the wire cabinet
- Integrated storage trays for wire drive and gun parts
- Particle filter option for dusty work environments



GET THE MOST OUT OF EVERY TASK

Whatever your welding production requires, you can find suitable equipment from the versatile Kempact RA range. The eleven model options include 180, 250 and 320 A power sources and a choice between Regular or Adaptive control panel interfaces that serve various metal fabrication workshop needs. 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.



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.



WHAT'S IN THE SETUP



Kempact 323A

Kemppi 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.



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.

ALTERNATIVE EQUIPMENT AND SOFTWARE



Kempact 181A

Kempci 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

Kempci 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

Kempci 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 253A

Kempci 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

Kempci 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 323R

Kempci 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.

**Kempact 253 RMV**

Kemppi 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 253 AMV**

Kemppi 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 323 RMV**

Kemppi 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 323 AMV**

Kemppi 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.

TECHNICAL SPECIFICATIONS

Kempact 323A

Product code	Kempact 323A, FE 32, 3.5 m - P2213 Kempact 323A, FE 32, 5.0 m - P2214 Kempact 323A, FE 35, 3.5 m - P2261 Kempact 323A, FE 35, 5.0 m - P2256
Connection voltage 3~ 50/60 Hz	400 V \pm 15%
Fuse (delayed)	10 A
Filler wire sizes (Fe solid)	0.8...1.2 mm
Filler wire sizes (Fe cored)	0.8...1.2 mm
Filler wire sizes (Ss)	0.8...1.2 mm
Filler wire sizes (Al)	1.0...1.2 mm
Welding range	10 V/20 A–32.5 V/320 A
Open circuit voltage	40V
Standards	IEC 60974-1, IEC 60974-5, IEC 60974-10
Operating temperature range	-20...+40 °C
Degree of protection	IP23S
Wire feed speed adjustment	1.0 - 20.0 m/min
External dimensions LxWxH	623 × 579 × 1070 mm
Weight (no accessories)	44 kg

FE gun range	FE 20	FE 25	FE 27	FE 32	FE 35	FE 42
Product code	6602003	6602503	6602703	6603203	6603503	6604203
Load capacity, Ar + CO ₂ (35%)	200 A	250 A	270 A	320 A	350 A	420 A
Cooling	Gas	Gas	Gas	Gas	Gas	Gas
Filler wires	0.6...1.2 mm	0.6...1.2 mm	0.6...1.2 mm	0.8...1.6 mm	0.8...1.6 mm	0.8...1.6 mm
Lenght / ordering code 3.5m	6602003	6602503	6602703	6603203	6603503	6604203
Lenght / ordering code 5m	6602004	6602504	6602704	6603204	6603504	6604204