

Minarc

LITTLE GIANTS OF THE MMA WELDING WORLD





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Minarc 150 and 220 Classic MMA welding machines are light in weight, robust, durable and impact resistant, ideal for workshop and site environments.

Superior arc performance based on high voltage reserves and automatic 'Arc Force' control, guarantee the arc will remain stable in all welding positions, even when connected with extra-long welding and power cables, up to 100m.

Automatic Hot Start gives perfect ignition in all conditions and the Anti-sticking function decreases the risk of the MMA electrode sticking to the base material and aids short arc control. Protection against overload, humidity and dust ingress, gives excellent reliability, and TIG welding is made possible with the scratch -TIG function and GV TIG torches. Minarc 220 features a remote-control option.

Specified Minarc Classic models feature VRD function (Voltage Reduction Device), lowering the open circuit voltage for welding environments that may present wet, damp or humid conditions. Minarc 151 Classic is designed to be used with 110V site transformers.



KEY BENEFITS



EASY START

With ready to weld packages



EXCELLENT WELDING QUALITY

And arc performance



GREAT PACKAGE

Of light weight, high power and
duty cycle

BENEFITS

- Excellent welding quality and ignition
- 1ph 230V, 110V and 3ph 400V models
- Automatic dynamics feature
- Lightweight and high power
- Excellent work duty performance
- VRD model options
- Scratch TIG feature
- Ready to weld packages



PRODUCT OPTIONS



Minarc 150

Minarc 150 is a 1-phase, 140 A DC MMA welding power source. This little powerhouse comes with everything you need to start welding. It has a durable casing and it is easy to carry with its shoulder strap. The Minarc 150 is also available with a VRD function.



Minarc 220

Minarc 220 is a 3-phase, 220 A DC MMA welding power source, offering a truly portable specification for welding technicians on the move. This little powerhouse comes with everything you need to start welding.



FEATURES



Impact resistant

Minarc 150 Classic features an impact resistant case and controls protection.



Easy to set

Minarc 220 is easy to set. Electrode type selection ensures the best welding quality and you can also use an optional remote control to make fine current adjustments during welding.



Exceptional welding performance

Exceptional welding performance and compact size makes Minarc MMA ideal for maintenance workshops repairing heavy equipment.



ACCESSORIES



TX 223GVD13

200 A, gas-cooled, Gas valve, DIX 13, Large torch head



TX 163GVD9

160 A, gas-cooled, Gas valve, DIX 9mm, 4m, Large torch head



Welding cable 5 m 25 mm²



Earth return cable 25 mm², 5 m



Electrode holders



Remote control R10

Suitable for use with Kemppi MIG, TIG, and stick (MMA) welding equipment. Available in 5 m and 10 m.

Increase welding quality, work efficiency, comfort, and safety with appropriate, easy-to-use Kemppi remote controls.



Carrying straps



MST 400

Suitable for MinarcMig, MinarcMig Evo, MinarcTig, MinarcTig Evo, and Minarc 220.

The MST 400 is a 2-wheel transport unit that is recommended for smaller gas bottle sizes.



TECHNICAL SPECIFICATIONS

Minarc 150

| | |
|--------------------------------|----------------------------|
| Product code | 6102150 |
| Connection voltage 1~ 50/60 Hz | 230 V ± 15 % |
| Fuse (delayed) | 16 A |
| Open circuit voltage | 85 V |
| Stick electrode sizes | 1.5...3.25 mm |
| Welding range (MMA) | 10 A/20.5 V - 140 A/25.6 V |
| Welding range (TIG) | 5 A/10 V - 150 A/16 V |
| External dimensions LxWxH | 320 × 123 × 265 mm |
| Weight (no accessories) | 4.0 kg |
| Degree of protection | IP23S |
| Operating temperature range | -20 ... +40 °C |

Minarc 220

| | |
|--------------------------------|---------------------------------------|
| Product code | 6102220 |
| Connection voltage 3~ 50/60 Hz | 400 V (-20...+15%) |
| Fuse (delayed) | 10 A |
| Output (TIG) 35% ED | 220 A/18.8 V |
| Output (TIG) 60% ED | 180 A/17.2 V |
| Output (TIG) 100% ED | 160 A/16.4 V |
| Output (MMA) 35% ED | 220 A/28.8 V |
| Output (MMA) 60% ED | 170 A/26.8 V |
| Output (MMA) 100% ED | 150 A/26.0 V |
| Open circuit voltage | 85 V |
| Stick electrode sizes | 1.5...5.0 mm |
| Welding range (MMA) | 10 A/20.4 V - 220 A/28.8 V |
| Welding range (TIG) | 10 A/10.4 V - 220 A/18.8 V |
| External dimensions LxWxH | 400 × 180 × 340 mm |
| Weight (no accessories) | 9.2 kg (10.2 kg with connector cable) |
| Degree of protection | IP23S |
| Operating temperature range | -20 ... +40 °C |



ACCESSORIES

TX 223GVD13

| | |
|----------------------------------|------------------|
| Product code | TX223GVD134 (4m) |
| Standards | IEC 60974-7 |
| Type of cooling | Gas |
| Type of connection (Current-gas) | DIX 13 mm |
| Load capacity @ 40 % (Argon) | 220 A |
| Load capacity @ 100 % (Argon) | - |
| Type of connection (Control) | - |
| Type of connection (Coolant) | - |
| Remote control | No |
| Neck type | 70° angle |

TX 163GVD9

| | |
|----------------------------------|-----------------|
| Product code | TX163GVD94 (4m) |
| Standards | IEC 60974-7 |
| Type of cooling | Gas |
| Type of connection (Current-gas) | DIX 9 mm |
| Load capacity @ 40 % (Argon) | 160 A |
| Load capacity @ 100 % (Argon) | - |
| Type of connection (Control) | - |
| Type of connection (Coolant) | - |
| Remote control | No |
| Neck type | 70° angle |

Welding cable 5 m 25 mm²

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|--------------|---------|
| Product code | 6184201 |
|--------------|---------|

Earth return cable 25 mm², 5 m

| | |
|--------------|---------|
| Product code | 6184211 |
|--------------|---------|

Electrode holders

| | |
|--------------|--|
| Description | Electrode holders |
| Product code | Kemppi 300 – 9871021, Kemppi 400 – 9871031, Urania 5 – 9871041, Urania 6 – 9871051, Myking 200 – 9871060, Myking 450 – 9871070, Myking 600 – 9871080 |

Remote control R10

| | |
|--------------|---|
| Product code | R10, 5 m - 6185409 R10, 10 m - 618540901 |
|--------------|---|



Carrying straps

| | |
|--------------|---------|
| Product code | 9592162 |
|--------------|---------|

MST 400

| | |
|--------------|---------|
| Product code | 6185294 |
|--------------|---------|

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Kemppi is the design leader in the arc welding industry. We are committed to boosting the quality and productivity of welding by continuous development of the welding arc and by working for a greener and more equal world. Kemppi supplies sustainable products, digital solutions, and services for professionals from industrial welding companies to single contractors. The usability and reliability of our products is our guiding principle. We operate with a highly skilled partner network covering over 70 countries to make its expertise locally available. Headquartered in Lahti, Finland, Kemppi employs close to 800 professionals in 16 countries and has a revenue of 195 MEUR in 2022.

