

# Minarc

LITTLE GIANTS OF THE MMA WELDING WORLD





## Minarc



### LITTLE GIANTS OF THE MMA WELDING WORLD

**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

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## 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 mm<sup>2</sup>**



**Earth return cable 5 m, 25 mm<sup>2</sup>**



**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 $\pm$ 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
Operating temperature range	-20 ... +40 °C
External dimensions LxWxH	320 × 123 × 265 mm
Weight (no accessories)	4.0 kg
Degree of protection	IP23S

### 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
Operating temperature range	-20 ... +40 °C
External dimensions LxWxH	400 × 180 × 340 mm
Weight (no accessories)	9.2 kg (10.2 kg with connector cable)
Degree of protection	IP23S



## 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



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**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.

