





MinarcMig Auto

Portable welding machine

- Precise weld quality and arc ignition with adaptive regulation
- Just select material type and the plate thickness and weld in auto mode
- 220A / 190A MIG/MAG welding power from a 16A supply
- Automatic or manual mode power regulation
- Compatible with Fe, Fe FCW, Ss, Al, CuSi filler wires, 1 kg, and 5 kg wire spools
- A large graphical backlit display guides you in low-light conditions
- Designed for use with long power extension cables (up to 100m)
- A 3-meter welding torch with an ergonomic gun handle, cable set, and carrying strap included.
- Suitable for mains network or generator use
- Designed and manufactured in Finland
- 3-year warranty

Big power from a small MIG/MAG welding machine

MinarcMig Auto 190/220 welding machines are crafted to meet the distinct needs of welders on the move, combining the convenience of a portable and lightweight design with high-performance MIG/MAG welding capabilities.

Every welder develops unique methods and skills through years of dedicated learning. The new MinarcMig Auto welding machines seamlessly integrate significant MIG/MAG welding capacity and top-tier quality into a small portable machine that caters to a wide range of projects.

The MinarcMig 190 Auto and 220 Auto models feature automatic and manual mode set-ups as well as an adaptive arc regulation system to ensure precise welding quality and accurate ignition. Simplify the welding process – just take MinarcMig, select the material type and the plate thickness, and start welding. It is compatible with various materials, including steel, stainless steel, aluminum, and CuSi brazing filler wires.

These little giants deliver portable MIG/MAG welding power, offering 190 amps at a 35% duty cycle or 220 amps at a 20% duty cycle from a 16 A, 1-phase mains supply.

The ready-to-weld MinarcMig 190 Auto and 220 Auto MIG/MAG welding machines come with the new Flexlite GC MIG welding torch, which includes integrated cable bending support and an ergonomic gun handle and optional fit pistol grip as standard.

MinarcMig Auto models ensure premium results, allowing you to celebrate your perfected welding skills wherever your work takes you.





VALUE FEATURES



POWERFUL PERFORMANCE ANYWHERE

Secure excellent weld quality every time, everywhere. The best-level welding power from a 1-phase 230V power supply provides flexibility in choosing and moving around worksites.



EASE OF USE

An intuitive and user-friendly interface makes operating the machine easy for both experienced welders and beginners. The AUTO setting by material type and plate thickness simplifies the welding process and improves welding quality.



ENHANCED MOBILITY AND EFFORTLESS WELDING

Experience the freedom to weld effortlessly. The lightweight and portable design allows easy and safe movement.

Technical specifications

MinarcMig Auto	MinarcMig 190 Auto	MinarcMig 220 Auto	MinarcMig 190 Auto AU	MinarcMig 220 Auto AU
Connection voltage 1~ 50/60 Hz	230 V ±15%	230 V ±15%	230 V ±15%	230 V ±15%
Welding range	20 A / 15 V...190 A / 26 V	20 A / 15 V...220 A / 28 V	20 A / 15 V...190 A / 26 V	20 A / 15 V...220 A / 28 V
Output 20% ED	-	220 A	-	220 A
Output 35% ED	190 A	-	190 A	-
Output 60% ED	140 A	160 A	140 A	160 A
Output 100% ED	100 A	120 A	100 A	120 A
Open circuit voltage	70...75 V	70...75 V	70...75 V	70...75 V
Wire feed mechanism	2-roll, single-motor	2-roll, single-motor	2-roll, single-motor	2-roll, single-motor
Wire spool weight, max.	5 kg	5 kg	5 kg	5 kg
Wire spool diameter, max.	200 mm	200 mm	200 mm	200 mm
Mains fuse	16 A	16 A	15 A	15 A
Operating temperature range	-20...40 °C	-20...40 °C	-20...40 °C	-20...40 °C
External dimensions LxWxH	450 x 227 x 368 mm	450 x 227 x 368 mm	450 x 227 x 368 mm	450 x 227 x 368 mm
Weight (no accessories)	14.2 kg	14.2 kg	14.2 kg	14.2 kg
Degree of protection	IP23	IP23	IP23	IP23
Standards	IEC 60974-1, -5, -10, IEC 61000-3-12		IEC 60974-1, -5, -10, IEC 61000-3-12, AS 60974.1	
EMC class	A	A	A	A
Storage temperature range	-40...60 °C	-40...60 °C	-40...60 °C	-40...60 °C
Shielding gas pressure (max)	0.5 MPa	0.5 MPa	0.5 MPa	0.5 MPa

*The AU model is for the Australian and New Zealand markets. They have different mains plugs.

Ordering information

Product name	Product code
MinarcMig 190 Auto	61008190
MinarcMig 220 Auto	61008220
MinarcMig 190 Auto AU	61008190AU
MinarcMig 220 Auto AU	61008220AU
Accessories	
GC 223 G MIM 3m torch including optional fit pistol grip handle	GC223GMIM3 (3m)
MST 400	6185294
Earth return cable 25 mm ² , 3 m	6184004
Shoulder strap	9592163
Shielding gas hose 4.5 m	W001077
Euro Adapter for MinarcMig	Euro adapter kit - W008366 Wire liner, 0.6-0.8 mm for Euro Adapter - SP008578 Red wire liner, 0.9-1.0 mm for Euro Adapter -SP008856



Optional fit pistol grip included as standard.



Carry strap for easy movement on site.