



MinarcMig Evo

An adaptive tool for the mobile welder

- Precise weld quality and arc ignition
- 200 A / 170 A of MIG/MAG welding power from a 16 A supply
- Choose either Automatic or Manual model
- Use with Fe, Fe FCW, Ss, Al, CuSi filler wires, 1 kg and 5 kg spools
- Just set the plate thickness and weld with 200 A model
- Large graphical display guides the user
- Designed for use with long 100m+ supply cables
- 3-meter gun, cable set and carrying strap included
- Suitable for mains network or generator use
- Designed and manufactured in Finland
- 3 year warranty

Easier welding than ever

MinarcMig Evo machines pack huge MIG/MAG welding capacity and quality into a portable, compact size. Choose from either 200 A or 170 A models, delivering welding power at 35 % duty cycle from a 16 A, 1-phase mains supply. MinarcMig Evo delivers premium results wherever your work takes you.

MinarcMig Evo 200 offers Automatic and Manual mode set-up for precise welding quality and arc ignition, monitored and controlled by Kemppi's adaptive arc regulation system. MinarcMig Evo 170 offers manual setting only, with separate controls for voltage and wire feed speed. Each model features a large graphical interface that guides the user during setup. With the MinarcMig Evo 200 you simply set the plate thickness and weld, and you can select the material type, which includes ferrous, stainless steel, aluminum and CuSi brazing filler wires, for wide variety of industrial applications.

PFC power source technology offers ultimate energy economy with a power factor of 0.99. MinarcMig Evo can also be used efficiently with extra long power supply cables exceeding 100 meters in length, allowing for optimum welding utility in site welding environments.





MinarcMig Evo 170 and 200 models feature LCD control panels. MinarcMig Evo 200 lets you select material type, plate thickness and weld shape.

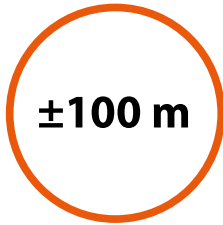
VALUE FEATURES



LIGHTWEIGHT AND PORTABLE
No extra lift assist required



LESS ELECTROMAGNETIC INTERFERENCE
On electrical network thanks to PFC technology



CABLE LENGTH
For increased utility in site welding environments

Technical specifications

MinarcMig Evo		170	200
Connection voltage	1~ , 50/60 Hz	230 V (± 15 %)	230 V (± 15 %)
Connection voltage (AU)	1~ , 50/60 Hz	240 V (± 15 %)	240 V (± 15 %)
Rated power at max. current	35 % ED	170 A/4.8 kVA	200 A/6.2 kVA
Supply current	35 % ED I _{1max}	20,3 A	26.2 A
	100 % ED I _{1eff}	10,1 A	13.2 A
Connection cable	H07RN-F	3G1.5 (1.5 mm ² , 3 m)	3G1.5(1.5 mm ² , 3 m)
Fuse	type C	16 A	16 A
Output 40 °C	35% ED	170 A/24 V	200 A/24 V
	60% ED	140 A/21 V	160 A/22 V
	100% ED	100 A/20 V	120 A/20 V
Welding range		20 A/15 V – 170 A/ 24 V	20 A/15 V – 200 A/ 26 V
No-load voltage		74 V	74 V
Idle power		12 W fan off, 21 W fan on	12 W fan off, 26 W fan on
Voltage steps		0.1 V	0.1 V
Power factor at max. current		0,99	0,99
Efficiency at 100 % ED		80 %	82 %
Filler wires ø	Fe solid wire	0.6...1.0 mm	0.6...1.0 mm
	Fe cored wire	0.8...1.0 mm	0.8...1.0 mm
	Ss		0.8...1.0 mm
	Al		1.0 mm
	CuSi		0.8...1.0 mm
Wire feed speed adjustment range		1...12 m/min	1...13 m/min
Wire spool	max. ø	200 mm / 5 kg	200 mm / 5 kg
Shielding gases		CO ₂ , Ar + CO ₂ mixed	CO ₂ , Ar, Ar + CO ₂ mixed
External dimensions	L x W x H	450 x 227 x 368 mm	450 x 227 x 368 mm
Weight (incl. gun and cables 3.0 kg)		13 kg	13 kg
Temperature class		F (155 °C)	F (155 °C)
EMC class		A	A
Degree of protection		IP23S	IP23S
Operating temperature range		-20...+40 °C	-20...+40 °C
Storage temperature range		-40...+60 °C	-40...+60 °C

Standards: IEC 60974-1, IEC 60974-5, IEC 60974-10, IEC 61000-3-12

Ordering information

MinarcMig Evo (incl. gun, cables, gas hose and shoulder strap)		
MinarcMig Evo 170		61008170
MinarcMig Evo 170 AU*		61008170AU
MinarcMig Evo 200		61008200
MinarcMig Evo 200 AU*		61008200AU
Welding gun GC 223G, 220 A, Gas-cooled	3 m	GC223GMM3
Earth return cable	3 m, 25 mm ²	6184004
Shielding gas hose	4,5 m	W001077
Shoulder strap		9592163
MinarcMig Evo 170 (no plug)		61008170NP
MinarcMig Evo 200 (no plug)		61008200NP
MST 400 transport unit		6185294
Euro adapter kit		W008366

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