

MinarcMig Evo 170/200

An adaptive tool for the mobile welder



+ In brief

- Precise weld quality and arc ignition
- 200 or 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
- With 200 A model, just set the plate thickness and start welding
- Large graphical display guides user
- Designed for use with long supply cables of 100 m and more
- A 3-meter gun, cable set and carrying strap included
- Suitable for mains network or generator use
- Kemppi 2+ warranty for parts and labour

+ Applications

- Thin sheet metal fabrication workshops
- Installation and set-up
- Repair and maintenance



Energy efficient

Key features

MinarcMig Evo machines pack huge MIG/MAG welding capacity and quality into their portable, compact size. Choose from either 200 A or 170 A models, delivering their 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 guiding the user during set-up. With MinarcMig Evo 200 you can simply set the plate thickness and start welding, and the materials selection for ferrous, stainless steel, aluminum and CuSi brazing filler wires satisfies a wide variety of industrial applications.

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



MinarcMig Evo suits a variety of welding applications



Quality welding, wherever work takes you

MinarcMig Evo 170/200

Technical specifications

		MinarcMig Evo 170	MinarcMig Evo 200
Connection voltage	1 ~ 50/60 Hz	230 V ± 15 %	230 V ± 15 %
Connection voltage (AU-models)	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
	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 max. current		80 %	82 %
Filler wires \emptyset	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. \emptyset	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	LxWxH	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			

MinarcMig Evo 170/200

Ordering information

MinarcMig Evo 170		
	includes gun, cables, gas hose and shoulder strap	61008170
MinarcMig EVO 170 AU	incl. gun, cables, gas hose and shoulder strap	61008170AU
MinarcMig EVO 170 (Denmark)	incl. gun, cables, gas hose and shoulder strap	61008170DK
MinarcMig Evo 200		
	includes gun, cables, gas hose and shoulder strap	61008200
MinarcMig EVO 200 AU	incl. gun, cables, gas hose and shoulder strap	61008200AU
MinarcMig EVO 200 (Denmark)	incl. gun, cables, gas hose and shoulder strap	61008200DK
Welding gun MMG22	3 m	6250220
Earthing cable and clamp	3 m	6184003
Shielding gas hose	4.5 m	W001077
Shoulder strap		9592163
Consumables for wire feed mechanism		
Feed roll	0.6 – 1.0 mm	W000749
	0.8 – 1.0 mm, knurled	W001692
Pressure roll		9510112
Wire rear guide		W000651
Parts for wire spool hub		
Spool flange		W000728
Spring		W000980
Wire spool lock		W000727
Consumables for MMG22 gun		
Gas nozzle		9580101
Gas nozzle insulating bush		9591010
Contact tip M6	0.6 mm	9876634
Contact tip M6	0.8 mm	9876635
Contact tip M6	0.9 mm	9876633
Contact tip M6	1.0 mm	9876636
Contact tip adapter		9580173
Neck insulating ring		9591079
Wire guide	0.6 – 1.0 mm (Fe)	4307650
Wire guide	0.6 – 1.0 mm (Ss, Al)	4307660