

MinarcMig Evo 170/200

An adaptive tool for the mobile welder



Energy efficient

- 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 user
- Designed for use with long supply cables of 100m+
- A 3-meter gun, cable set and carrying strap included
- Suitable for mains network or generator use
- Kempfi 2+ warranty for parts and labour

Easier welding than ever

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 Kempfi'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 and with MinarcMig Evo 200 you can simply set the plate thickness and weld, including materials selection for ferrous, stainless steel, aluminum and CuSi brazing filler wires, satisfying 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.

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 _{lmax} | 20,3 A | 26,2 A |
| | 100 % ED I _{leff} | 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)

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| MinarcMig Evo 170 | | 61008170 |
| MinarcMig Evo 170 AU* | | 61008170AU |
| MinarcMig Evo 170 (Denmark) * | | 61008170DK |
| MinarcMig Evo 200 | | 61008200 |
| MinarcMig Evo 200 AU* | | 61008200AU |
| MinarcMig Evo 200 (Denmark) * | | 61008200DK |
| Welding gun MMG22 | 3 m | 6250220 |
| Earth return cable and clamp | 3 m | 6184003 |
| 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 |

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

Applications

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



Quality welding, wherever work takes you. MinarcMig Evo suits a variety of welding fabrication tasks.



Optional adapter for MinarcMig allows you to use any euro-compatible MiG/MAG welding gun



MinarcMig Evo 170 and 200 models include LCD control panels. MinarcMig Evo 200 also includes material type, plate thickness and weld shape selection.