

MinarcTig Evo 200/200MLP

The finest TIG welding quality



Energy efficient

- 200 A DC @ 35% duty cycle, 1-phase, 230 V
- Smooth welding quality
- Refined arc ignition from 5 A
- Pre and post gas timer
- Slope in/out timer
- Torch switch latching
- MLP and Pulse welding option
- Remote current controls options
- PFC technology for ultimate energy efficiency
- Mains networks or generator use
- Kemppi 2+ warranty for parts and labour

Smooth, refined and powerful

MinarcTig Evo is just what you'd expect from a Kemppi TIG welding machine.

Accurate and refined HF ignition and the necessary control, power and work capacity to reliably complete a variety of professional welding tasks. MinarcTig Evo is the ideal DC TIG welding solution for light industrial manufacturing, installation, repair and maintenance applications. The lightweight and compact size is a real bonus for welding professionals on the move.

Models include either the MinarcTig Evo 200 or the MinarcTig Evo 200MLP.

The powerful PFC power source design combines useful performance advantages, including excellent energy efficiency and the ability to reliably perform on extra long power supply cables of more than 100 meters long.

MinarcTig Evo models include large LED metering displays and feature a range of functions including pre and post gas time control, slope current time controls and remote control options. MLP models are equipped with additional functions including Minilog control and semi-automatic arc pulse function. MinarcTig Evo is a dual-process machine that also provides quality MMA welding for a range of DC electrode types.

This model is compatible with TTC torches only, please see the full available range of TIG torches on pages 86 – 89. Available remote control models are on page 120.

Technical specifications

| MinarcTig Evo 200/200MLP | | | |
|---|--------------|----------|-----------------------------------|
| Connection voltage | 1~, 50/60 Hz | | 230 V ±15 % (AU 240 V ±15 %) |
| Rated power at max. current | TIG | 35 % ED | 200 A/4.9 kVA |
| | MMA | 35 % ED | 170 A/5.7 kVA |
| Supply current, I _{1max} | TIG | | 21.1 A |
| | MMA | | 24.8 A |
| Supply current, I _{1eff} | TIG | | 12.7 A |
| | MMA | | 14.7 A |
| Connection cable | H07RN-F | | 3G1.5 (1.5 mm ² , 3 m) |
| Fuse | type C | | 16 A |
| Output 40 °C | TIG | 35 % ED | 200 A /18 V |
| | | 60 % ED | 160 A /16.4 V |
| | | 100 % ED | 140 A /15.6 V |
| | MMA | 35 % ED | 170 A /26.8 V |
| | | 60 % ED | 130 A /25.2 V |
| | | 100 % ED | 110 A /24.4 V |
| Welding range | TIG | | 5 A /10.2 V...200 A /18.0 V |
| | MMA | | 10 A /20.4 V...170 A /26.8 V |
| Open circuit voltage | | | 95 V (VRD 30 V, AU VRD 12 V) |
| Idle power | TIG | | 10 W |
| | MMA | | 30 W |
| Power factor at 100 % ED | TIG | | 0.99 |
| | MMA | | 0.99 |
| Efficiency at 100 % ED | TIG | | 77 % |
| | MMA | | 83 % |
| Striking voltage | | | 6...12 kV |
| Stick electrodes, MMA | ∅ | | 1.5...4.0 mm |
| External dimensions | L × W × H | | 449 × 210 × 358 mm |
| Weight (without cables) | | | 11 kg |
| Temperature class | | | F (155 °C) |
| Degree of protection | | | IP23S |
| EMC class | | | A |
| Operating temperature range | | | -20...+40 °C |
| Storage temperature range | | | -40...+60 °C |
| Standards: IEC 60974-1, IEC 60974-3, IEC 60974-10, IEC 61000-3-12 | | | |

Ordering information

| MinarcTig Evo (incl. earth return and welding cables and shoulder strap) | | |
|---|--------------|---------|
| MinarcTig Evo 200 | TTC 220, 4 m | P0640 |
| MinarcTig Evo 200 | TTC 220, 8 m | P0641 |
| MinarcTig Evo 200MLP | TTC 220, 4 m | P0642 |
| MinarcTig Evo 200MLP | TTC 220, 8 m | P0643 |
| MinarcTig Evo 200 AU* | TTC 220, 4 m | P0672 |
| MinarcTig Evo 200 AU* | TTC 220, 8 m | P0673 |
| MinarcTig Evo 200MLP AU* | TTC 220, 4 m | P0674 |
| MinarcTig Evo 200MLP AU* | TTC 220, 8 m | P0675 |
| MinarcTig Evo 200 DK* | TTC 220, 4 m | P0676 |
| MinarcTig Evo 200 DK* | TTC 220, 8 m | P0677 |
| MinarcTig Evo 200MLP DK* | TTC 220, 4 m | P0678 |
| MinarcTig Evo 200MLP DK* | TTC 220, 8 m | P0679 |
| 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

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



Minilog function is a very easy-to-use pulsing feature: you just set the pulse time and current average and start welding.



Quality welding, wherever work takes you



MinarcTig Evo 200
MinarcTig Evo 200 MLP with Pulse function