

# MinarcTig Evo

SMOOTH, REFINED AND POWERFUL





## MinarcTig Evo



### SMOOTH, REFINED AND POWERFUL

**MinarcTig Evo is just what you'd expect from a Kempfi 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

The delivery package includes a [Flexlite TX TIG welding torch](#) (4 m/8 m), cables, gas hose, and shoulder strap.



## KEY BENEFITS



LIGHTWEIGHT AND  
PORTABLE

No extra lift assist required



INCREASE AT BEST IN  
WELDING SPEED

With Pulsed TIG function



CABLE LENGTH  
POSSIBLE

For increased utility in site  
welding environments

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## BENEFITS

- 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 3+ warranty for parts and labour



## PRODUCT OPTIONS



### MinarcTig Evo 200

Kemppi K3 dual-process welder for fine quality, mobile TIG and stick (MMA) welding. AU and DK models available.



### MinarcTig Evo 200MLP

Kemppi K5 dual process welder for fine quality, mobile TIG and stick (MMA) welding with pulse TIG option. AU and DK models available.



### MinarcTig Evo 200 AU

Kemppi K3 dual-process welder for fine quality, mobile TIG and stick (MMA) welding. Mains plug suitable for AU/NZ markets.



### MinarcTig Evo 200MLP AU

Kemppi K5 dual process welder for fine quality, mobile TIG and stick (MMA) welding with pulse TIG option. Mains plug suitable for AU/NZ markets.



## FEATURES



### Productivity and efficiency

MinarcTig Evo 200MLP can bring you significant productivity benefits. The PFC power source technology offers ultimate energy economy with a power factor of 0.99, and maximizes your welding time by reducing the time of cooling breaks. Combined with the semi-automatic pulsed DC TIG welding function, you are able to increase your welding speed up to 10 % depending on the application. Just set the pulse time and current average, and start welding.



## ACCESSORIES



**Mastercool 20**

An optional cooling unit for MasterTIG MLS 2300 and 3003 ACDC or MinarcTig Evo.

Unit performs 1 kW of cooling power with a three liter tank that can be filled with a 20 % – 40 % ethanol/water mixture, or any other suitable antifreeze agent.



**Flexlite TX**

The Flexlite TX torches are designed for use with MasterTig welding equipment. The torch range includes several neck models, offering superb cooling performance and good access to challenging joint designs.



**Welding cable 5 m 25 mm<sup>2</sup>**



**Welding cable 10 m 25 mm<sup>2</sup>**



**Earth return cable 10 m, 25 mm<sup>2</sup>**



**Earth return cable 5 m, 25 mm<sup>2</sup>**



**MST 400**

Suitable for MinarcMig, MinarcMig Evo, MinarcTig, MinarcTig Evo, and Minarc 220.

The MST 400 is a 2-wheel transport unit that is recommended for smaller gas bottle sizes.



**Shoulder strap**



**Remote control R10**

Suitable for use with Kemppi MIG, TIG, and stick (MMA) welding equipment. Available in 5 m and 10 m.

Increase welding quality, work efficiency, comfort, and safety with appropriate, easy-to-use Kemppi remote controls.



### Remote control R11F

Foot control pedal for Kemppi MasterTig MLS, MasterTig MLS ACDC and MinarcTig. Available in 5 m.

Increase welding quality, work efficiency, comfort, and safety with appropriate, easy-to-use Kemppi remote controls.



### TXR10

Optional on-torch remote control with a roller-type current control switch. Available for water and gas-cooled Flexlite torch models.



### TXR20

Optional on-torch remote control with a rocker type current control switch. Available for water and gas-cooled Flexlite torch models.



## TECHNICAL SPECIFICATIONS

### MinarcTig Evo 200

Product code	MinarcTig Evo 200, TX 225G 4M – P0640TX MinarcTig Evo 200, TX 225G 8M – P0641TX MinarcTig Evo 200, TX 225GS 8M – P0645TX MinarcTig Evo 200, TX 165GS 4M – P0648TX MinarcTig Evo 200, TX 165GS 8M – P0649TX MinarcTig Evo 200, TX 135GF 4M – P0652TX MinarcTig Evo 200, TX 135GF 8M – P0653TX MinarcTig Evo 200, TX 165GF 4M – P0656TX MinarcTig Evo 200, TX 165GF 8M – P0657TX MinarcTig Evo 200, TX 225GS 4M – P0644TX MinarcTig Evo 200, TX 165GS 16M – P0670TX MinarcTig Evo 200, TX 305WF 4M, COOLER – P0676TX MinarcTig Evo 200, TX 305WF 8M, COOLER – P0677TX MinarcTig Evo 200, TX 255WS 4M, COOLER – P0687TX MinarcTig Evo 200, TX 255WS 8M, COOLER – P0688TX MinarcTig Evo 200, TX 355W 4M, COOLER – P0691TX MinarcTig Evo 200, TX 355W 8M, COOLER – P0692TX
Connection voltage 1~ 50/60 Hz	230 V ±15 %
Fuse (delayed)	16 A
Minimum generator power	5.6kVA
Output (TIG) 35% ED	200 A/18.0 V
Output (TIG) 60% ED	160 A/16.4 V
Output (TIG) 100% ED	140 A/15.6 V
Output (MMA) 35% ED	170 A/26.8 V
Output (MMA) 60% ED	130 A/25.2 V
Output (MMA) 100% ED	110 A/24.4 V
Open circuit voltage	95 V
Stick electrode sizes	1.5...4.0 mm
Welding range (MMA)	10 A /20.4 V...170 A/26.8 V
Welding range (TIG)	5 A/10.2 V...200 A/18.0 V
Operating temperature range	-20...+40 °C
External dimensions LxWxH	449 × 210 × 358 mm
Weight (no accessories)	11 kg
Degree of protection	IP23S
Standards	IEC 60974-1, IEC 60974-3, IEC 60974-10, IEC 61000-3-12





## MinarcTig Evo 200MLP

Product code	MinarcTig Evo 200MLP, TX 225G 4M – P0642TX MinarcTig Evo 200MLP, TX 225G 8M – P0643TX MinarcTig Evo 200MLP, TX 225GS 8M – P0647TX MinarcTig Evo 200MLP, TX 165GS 4M – P0650TX MinarcTig Evo 200MLP, TX 165GS 8M – P0651TX MinarcTig Evo 200MLP, TX 135GF 4M – P0654TX MinarcTig Evo 200MLP, TX 135GF 8M – P0655TX MinarcTig Evo 200MLP, TX 165GF 4M – P0658TX MinarcTig Evo 200MLP, TX 165GF 8M – P0659TX MinarcTig Evo 200MLP, TX 165GS 16M – P0671TX MinarcTig Evo 200MLP, TX 225GS 4M – P0646TX MinarcTig Evo 200MLP, TX 305WF 4M, COOLER – P0678TX MinarcTig Evo 200MLP, TX 305WF 8M, COOLER – P0679TX MinarcTig Evo 200MLP, TX 255WS 4M, COOLER – P0689TX MinarcTig Evo 200MLP, TX 255WS 8M, COOLER – P0690TX MinarcTig Evo 200MLP, TX 355W 4M, COOLER – P0693TX MinarcTig Evo 200MLP, TX 355W 8M, COOLER – P0694TX
Connection voltage 1~ 50/60 Hz	230 V ±15 %
Fuse (delayed)	16 A
Minimum generator power	5.6kVA
Output (TIG) 35% ED	200 A/18.0 V
Output (TIG) 60% ED	160 A/16.4 V
Output (TIG) 100% ED	140 A/15.6 V
Output (MMA) 35% ED	170 A/26.8 V
Output (MMA) 60% ED	130 A/25.2 V
Output (MMA) 100% ED	110 A/24.4 V
Open circuit voltage	95 V
Stick electrode sizes	1.5...4.0 mm
Welding range (MMA)	10 A /20.4 V...170 A/26.8 V
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Operating temperature range	-20...+40 °C
External dimensions LxWxH	449 × 210 × 358 mm
Weight (no accessories)	11 kg
Degree of protection	IP23S
Standards	IEC 60974-1, IEC 60974-3, IEC 60974-10, IEC 61000-3-12



## MinarcTig Evo 200 AU

Product code	MinarcTig Evo 200 AU, TX 225G 4M – P0672TX MinarcTig Evo 200 AU, TX 225G 8M – P0673TX
Connection voltage 1~ 50/60 Hz	240 V ±15 %
Fuse (delayed)	16 A
Minimum generator power	5.6kVA
Output (TIG) 35% ED	200 A/18.0 V
Output (TIG) 60% ED	160 A/16.4 V
Output (TIG) 100% ED	140 A/15.6 V
Output (MMA) 35% ED	170 A /26.8 V (35 %)
Output (MMA) 60% ED	130 A/25.2 V
Output (MMA) 100% ED	110 A/24.4 V
Open circuit voltage	95 V
Stick electrode sizes	1.5...4.0 mm
Welding range (MMA)	10 A /20.4 V...170 A/26.8 V
Welding range (TIG)	5 A/10.2 V...200 A/18.0 V
Operating temperature range	-20...+40 °C
External dimensions LxWxH	449 × 210 × 358 mm
Weight (no accessories)	11 kg
Degree of protection	IP23S
Standards	IEC 60974-1, IEC 60974-3, IEC 60974-10, IEC 61000-3-12

## MinarcTig Evo 200MLP AU

Product code	MinarcTig Evo 200MLP AU, TX 225G 4M – P0674TX MinarcTig Evo 200MLP AU, TX 225G 8M – P0675TX
Connection voltage 1~ 50/60 Hz	240 V ±15 %
Fuse (delayed)	16 A
Minimum generator power	5.6kVA
Output (TIG) 35% ED	200 A/18.0 V
Output (TIG) 60% ED	160 A/16.4 V
Output (TIG) 100% ED	140 A/15.6 V
Output (MMA) 35% ED	170 A /26.8 V
Output (MMA) 60% ED	130 A/25.2 V
Output (MMA) 100% ED	110 A/24.4 V
Open circuit voltage	95 V
Stick electrode sizes	1.5...4.0 mm
Welding range (MMA)	10 A/20.4 V...170 A/26.8 V
Welding range (TIG)	5 A/10.2 V...200 A/18.0 V
Operating temperature range	-20...+40 °C
External dimensions LxWxH	449 × 210 × 358 mm
Weight (no accessories)	11 kg
Degree of protection	IP23S
Standards	IEC 60974-1, IEC 60974-3, IEC 60974-10, IEC 61000-3-12



## ACCESSORIES

### Mastercool 20

Product code	6162900 - Mastercool 20 6162901 - Mastercool 20 for MinarcTig Evo
Connection voltage 1~ 50/60 Hz	230 V ±15 %
Rated power	50 W (100 %)
Operating temperature range	-20...+40 °C
External dimensions LxWxH	500 × 180 × 260 mm
Weight (no accessories)	8 kg
Degree of protection	IP23C
Cooler tank volume	approx. 3 l
Cooling power	1.0 kW

[WWW.KEMPPI.COM](http://WWW.KEMPPI.COM)

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**Kemppi** is the pioneering company within the welding industry. It is our role to develop solutions that make you win business. Headquartered in Lahti, Finland, Kemppi employs over 800 welding experts in 17 countries and has a revenue of more than 150 MEUR. Our offering includes welding solutions - intelligent equipment, welding management software and expert services - for both demanding industrial applications and ready-to-weld needs. Local expertise is available via our global partner network covering over 60 countries.

