

KEMPPI K5 WELDING EQUIPMENT

# MinarcTig Evo 200MLP

PORTABLE POWER FOR REFINED QUALITY WELDING



# MinarcTig Evo 200MLP



## VERSATILE DUAL PROCESS WELDER FOR TIG AND STICK (MMA) WELDING

MinarcTig Evo 200MLP offers accurate and refined high frequency and contact TIG arc ignition, and delivers 200 A DC with a 1-phase 230 V power supply in a lightweight and compact form. Its PFC power source technology enables excellent energy efficiency and reliable performance even when used with more than 100 m long cables. As a dual process machine, MinarcTig Evo 200MLP's TIG performance is matched with a quality 170 A stick (MMA) welding capability. The large LED metering display and a range of useful functions make welding convenient and enjoyable. In addition to standard features, the MLP model is equipped with Minilog control for current change between two preset current levels, and pulsed DC TIG function for increased welding speed, efficiency and improved visual appearance. Regardless of your welding application, you will have no problem maintaining complete weld pool control with Kempfi remote control options including on-torch, foot-operated and handheld remote control methods.

The delivery package includes a TTC 220 TIG welding torch, earth return cable and clamp. None adjustable VRD only models are available for Australia/New Zealand and Danish markets.

## KEY APPLICATIONS



PROCESS PIPELINES



THIN SHEET  
FABRICATION



REPAIR AND  
MAINTENANCE



## KEY BENEFITS



11 kg

LIGHTWEIGHT AND  
PORTABLE

No extra lift assist required



10%

INCREASE AT BEST IN  
WELDING SPEED

With Pulsed TIG function



+100 m

CABLE LENGTH  
POSSIBLE

For increased utility in site  
welding environments

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## BENEFITS

- Dual process TIG and MMA capability
- High frequency and contact arc ignition
- Convenient pulsed TIG and Minilog functions (only MLP model)
- Suitable for mains network or generator use
- Additional safety with VRD function
- PFC technology for ultimate energy efficiency and increased welding time due to reduced machine cooling breaks
- Lightweight and portable at 11 kg
- Designed for use even with more than 100 m long power supply cables
- Clear functional LED display for accurate settings
- Pre/post gas timer; Slope in/out timer
- Suitable for use with a variety of Kemppi remote controls
- Welding torch (TTC 220), shoulder strap and cable set included as standard



## BENEFITS



### 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. Convenient, don't you think?



## ALTERNATIVE - EQUIPMENT AND SOFTWARE



### 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. The delivery package includes a TTC 220 welding torch (4 m/8 m), cables, gas hose, and shoulder strap.



### MinarcTig Evo 200MLP DK

Kemppi K5 dual process welder for fine quality, mobile TIG and stick (MMA) welding with pulse TIG option. Mains plug suitable for the Danish market. The delivery package includes a TTC 220 welding torch (4 m/8 m), cables, gas hose, and shoulder strap.



### MinarcTig Evo 200

Kemppi K3 dual-process welder for fine quality, mobile TIG and stick (MMA) welding. The delivery package includes a TTC 220 welding torch (4 m/8 m), cables, gas hose, and shoulder strap. 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. The delivery package includes a TTC 220 welding torch (4 m/8 m), cables, gas hose, and shoulder strap.



### MinarcTig Evo 200 DK

Kemppi K3 dual-process welder for fine quality, mobile TIG and stick (MMA) welding. Mains plug suitable for the Danish market. The delivery package includes a TTC 220 welding torch (4 m/8 m), cables, gas hose, and shoulder strap.



## TECHNICAL SPECIFICATIONS

### MinarcTig Evo 200MLP

Product code	MinarcTig Evo 200MLP, TTC 220, 4 m - P0642 MinarcTig Evo 200MLP, TTC 220, 8 m - P0643
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

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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 600 welding experts in 13 countries and has a revenue of more than 110 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.

