

MinarcTig Evo

200 / 200MLP

The finest TIG welding quality



- 200 A DC @ 35% duty cycle, 1-phase, 230 V
- Smooth welding quality
- Refined arc ignition from 5 A
- Pre-gas 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
- Designed and manufactured in Finland
- 3 year warranty

Applications

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

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 required 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 compact equipment is a real bonus for welding professionals on the move.

Choose from 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 using 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-gas 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.





MinarcTig Evo 200

MinarcTig Evo 200 MLP with Pulse function

VALUE FEATURES



LIGHTWEIGHT AND PORTABLE

No extra lift assist required



10 % INCREASED WELDING SPEED

With Pulsed TIG function



CABLE LENGTH POSSIBLE

For increased utility in site welding environments

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 x W x H		449 x 210 x 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 200		MinarcTig Evo 200 MLP	
TX 225 G, 4 m	P0640TX	TX 225 G, 4 m	P0642TX
VRD, TX 225 G, 4 m	P0672TX	* AU, TX 225 G, 4 m	P0674TX
VRD, TX 225 G, 8 m	P0673TX	* AU, TX 225 G, 8 m	P0675TX
TX 225 G, 8 m	P0641TX	TX 225 G, 8 m	P0643TX
TX 225 G S, 4 m	P0645TX	TX 225 G S, 8 m	P0647TX
TX 165 G S, 4 m	P0648TX	TX 165 G S, 4 m	P0650TX
TX 165 G S, 8 m	P0649TX	TX 165 G S, 8 m	P0651TX
TX 135 G F, 4 m	P0652TX	TX 135 G F, 4 m	P0654TX
TX 135 G F, 8 m	P0653TX	TX 135 G F, 8 m	P0655TX
TX 165 G F, 4 m	P0656TX	TX 165 G F, 4 m	P0658TX
TX 165 G F, 8 m	P0657TX	TX 165 G F, 8 m	P0659TX
TX 225 G S, 4 m	P0644TX	TX 165 G S, 16 m	P0671TX
TX 165 G S, 16 m	P0670TX	TX 225 G S, 4 m	P0646TX
TX 305 W F 4 m, COOLER	P0676TX	TX 305 W F 4 m, COOLER	P0678TX
TX 305 W F 8 m, COOLER	P0677TX	TX 305 W F 8 m, COOLER	P0679TX
TX 255 W S 4 m, COOLER	P0687TX	TX 255 W S 4 m, COOLER	P0689TX
TX 255 W S 8 m, COOLER	P0688TX	TX 255 W S 8 m, COOLER	P0690TX
TX 355 W 4 m, COOLER	P0691TX	TX 355 W 4 m, COOLER	P0693TX
TX 355 W 8 m, COOLER	P0692TX	TX 355 W 8 m, COOLER	P0694TX
MST 400 transport unit		6185294	

* The AU model is for the Australian and New Zealand markets.