

# Minarc Evo family

Wherever work takes you





# Minarc Evo 180

## Benefits

- Premium welding performance
- Use with all electrode types
- Use with long supply cables
- PFC technology for ultimate energy efficiency
- High current output and duty cycle
- Lightweight and portable
- Robust and durable
- Precise lift TIG technology
- Mains network or generator use
- Optional remote control
- Kemppi 2+ year warranty for parts and labour

## More powerful and affordable than ever before

### **The little MMA giant is back, stronger than ever**

Kemppi has upgraded the powerful Minarc Evo equipment range. Minarc Evo 180 delivers more welding power than its predecessor, the popular Minarc Evo 150, but retains all of its great qualities, serving 'welders on the move' better than ever.

**Outstanding welding performance is no overstatement.** Every element of Minarc Evo 180 is designed to meet the needs of professional welders on the move. Where size, weight and welding quality are concerned, there is no equal.

Ideal for site use, you can use Minarc Evo 180 from mains or generator power supplies, even with extra long supply cables. Minarc Evo is easy to carry, so you can normally take everything you need in one journey.

**Large voltage reserves and automatic arc force control** provide excellent arc stability in all welding positions and for a wide range of electrode types, making sure you get quality welding results every time.

**The large and clear meter display** makes accurate current setting simple and easy, and precise lift TIG ignition ensures high quality DC TIG welding. Connect a remote control unit and you can adjust welding parameters at distance during welding, for the ultimate convenience and weld pool control.



## Technical data

Connection voltage	1~ 50/60 Hz	230 V ±15 % (AU 240 V ± 15 %)
Rated power at max. current	30 % ED MMA	170 A / 5,7 kVA
	35 % ED TIG	180 A / 4,0 kVA
Output (40 °C) MMA	30 % ED	170 A / 26,8 V (140 AU: 28 % ED)
	100 % ED	115 A / 24,6 V (140 AU: 80 A/23.3 V)
Output (40 °C) TIG	35 % ED	180 A / 17,2 V
	100 % ED	130 A / 15,2 V
Open circuit voltage		90 V (VRD 30 V; AU VRD 12 V)
Power factor at 100 % ED		0.99
Efficiency at 100 % ED (MMA)		84 %
Stick electrodes	∅	1.5...4 mm
External dimensions	L x W x H	361 x 139 x 267 mm
Weight (with connection cable)		5.85 kg
EMC class		A
Norms		IEC 60974-1, -10, IEC 61000-3-12



*Lightweight, compact and super portable*



Energy efficient



Energy efficient

# MinarcMig Evo 170/200

## Benefits

- Precise weld quality and arc ignition
- 200 or 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
- With 200 A model, just set the plate thickness and start welding
- Large graphical display guides user
- Designed for use with long supply cables of 100 m and more
- A 3-meter gun, cable set and carrying strap included
- Suitable for mains network or generator use
- Kemppi 2+ warranty for parts and labour



## An adaptive tool for the mobile welder

**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 Kemppi'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. With MinarcMig Evo 200 you can simply set the plate thickness and start welding, and the materials selection for ferrous, stainless steel, aluminum and CuSi brazing filler wires satisfies 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 data

MinarcMig Evo		170	200
Connection voltage	1~ 50/60 Hz	230 V ± 15 %	230 V ± 15 %
Rated power at max. current	35 % ED	170 A / 4.8 kVA	200 A / 6.2 kVA
Output (40 °C)	35 % ED	170 A / 24 V	200 A / 24 V
	100 % ED	100 A / 20 V	120 A / 20 V
Power factor at 100 % ED		0.99	0.99
Efficiency at 100 % ED		80 %	82 %
Wire spool	max. ø	200 mm / 5 kg	200 mm / 5 kg
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
EMC class		A	A
Norms IEC 60974-1, -2, -10, IEC 61000-3-12			



*MinarcMig Evo suits a wide variety of welding applications*



## The finest TIG welding quality

**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 both MinarcTig Evo 200 and 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.



# MinarcTig Evo 200/200MLP

## 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 network or generator use
- Kemppi 2+ warranty for parts and labour

## Technical data

Connection voltage	1~ 50/60 Hz	230 V ± 15 % (AU 240 V ± 15 %)
Rated power at max. current	35 % ED TIG	200 A / 4.9 kVA
	35 % ED MMA	170 A / 5.7 kVA
Output (40 °C) TIG	35 % ED	200 A /18 V
	100 % ED	140 A /15.6 V
Output (40 °C) MMA	35 % ED	170 A /26.8 V
	100 % ED	110 A /24.4 V
Power factor at 100% ED		0.99
Efficiency at 100% ED	TIG	77 %
	MMA	83 %
Stick electrodes	∅	1.5...4 mm
External dimensions	L x W x H	449 x 210 x 358 mm
Weight (without cables)		11 kg
EMC class		A
Norms IEC 60974-1, -3, -10, IEC 61000-3-12		



Energy efficient

## Ordering information

<b>Minarc Evo (incl. earth return and welding cables and shoulder strap)</b>		
Minarc Evo 180 welding machine		61002180
Minarc Evo 180 welding machine (Denmark)		610021180DK
Minarc Evo 180VRD welding machine		61002180VRD
Minarc Evo 180AU welding machine (Australia, New Zealand)		61002180AU
Minarc Evo 140AU welding machine (Australia, New Zealand)		61002140AU
Minarc Evo 140AU welding machine (no mains plug)		61002180NP
Earth return cable and clamp		6184015
Welding cable and electrode holder		6184005
Carrying strap		9592163
Optional: TIG torch TTM15V	4 m	6271432
BETA 90X electronic welding helmet		9873047
R10 Hand held remote control	5 m	6185409

<b>MinarcMig Evo (incl. gun, cables, gas hose and shoulder strap)</b>		
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
Earthing cable and clamp	3 m	6184003
Shielding gas hose	4.5 m	W001077
Shoulder strap		9592163

<b>MinarcTig Evo (incl. earth return and welding cables and shoulder strap)</b>		
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

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