

# Minarc Evo 180



## BENEFITS

- Can be powered from the mains or generator power supply, even via extra long supply cables, thus ideal for on-site use.
- Easy to carry, so you can carry everything you need in one journey.
- Excellent arc stability in all welding positions and for a wide range of electrode types up to 4 mm electrodes, with large voltage reserves and automatic arc force control
- The capability to use with mains or portable power generators ensures that you always have power supply options
- Built for the welder on the move. The power source is housed in an impact resistant plastic casing
- Safe to use in damp or humid welding environments thanks to reduced Open Circuit Voltage (90 volts or lower)
- Save time by welding for longer, due to the reduced need for machine cooling breaks
- Reliable arc ignition reduces wasted time and increases welding quality
- A single machine covers a wide range of welding applications
- Easy to transport and carry onsite with a fast one man setup

## TECHNICAL SPECIFICATIONS

Minarc Evo 180	Minarc Evo 180
Product code	61002180
Connection voltage 1~ 50/60 Hz	230 V ±15 %
Fuse (delayed)	16 A
Minimum generator power	5.5 kVA
Output (40°C) TIG	100 % ED, 130 A / 15.2 V 35 % ED, 180 A / 17.2 V
Output (TIG) 35% ED	180 A/17.2 V
Output (TIG) 60% ED	150 A / 15 V
Output (TIG) 100% ED	130 A/15.2 V
Output (MMA) 30% ED	170 A/26.8 V (140AU: 28% ED 140 A/25.6 V)
Output (MMA) 60% ED	140 A / 25.6 V
Output (MMA) 100% ED	115 A/24.6 V (140AU: 80 A/23.2 V)
Open circuit voltage	90 V
Stick electrode sizes	1.5...4.0 mm
Welding range (MMA)	10 A/15 V - 170 A/32 V
Welding range (TIG)	10 A/10 V - 180 A/30 V
Rated power at max. current 30% ED MMA	170 A / 5.7 kVA

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Rated power at max. current 35% ED TIG	180 A / 4.0 kVA
Power factor at 100 % ED	0.99
Efficiency at 100 % ED (MMA)	84 %
External dimensions LxWxH	361 x 139 x 267 mm
Weight (no accessories)	5.4 kg
Degree of protection	IP23S
Standards	IEC 60974-1 IEC 60974-10 IEC 61000-3-12
Weight (with connection cable)	5.85 kg
EMC class	A
Norms	IEC 60974-1, -10, IEC 61000-3-12
Operating temperature range	-20...+40 °C