

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 (35 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

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| Product code | 61002180 - Minarc Evo 180 61002180AU - Minarc Evo 180 AU 61002180DK - Minarc Evo 180 (Denmark) 61002180VRD - Minarc Evo 180 VRD 61002140AU - Minarc Evo 140 AU |
| Connection voltage 1~ 50/60 Hz | 230 V $\pm 15\%$ (AU 240 V $\pm 15\%$) |
| Fuse (delayed) | 16 A |
| Output (40 oC) TIG | 35 % ED, 180 A / 17.2 V |
| Welding range (TIG) | 10 A/10 V - 180 A/30 V |
| Welding range (MMA) | 10 A/15 V - 170 A/32 V |
| Open circuit voltage | 90 V (VRD 30 V; AU VRD 12 V) |
| Minimum generator power | 5.5 kVA |
| Standards | IEC 60974-1 IEC 60974-10 IEC 61000-3-12 |
| Operating temperature range | -20...+40 °C |
| Degree of protection | IP23S |
| Stick electrode sizes | 1.5...4.0 mm |
| External dimensions LxWxH | 361 x 139 x 267 mm |
| Weight (no accessories) | 5.4 kg |
| Power factor at 100 % ED | 0.99 |

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| Efficiency at 100 % ED (MMA) | 84 % |
| Weight (with connection cable) | 5.85 kg |
| EMC class | A |
| Norms | IEC 60974-1, -10, IEC 61000-3-12 |
| 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) |
| Rated power at max. current 30% ED MMA | 170 A / 5.7 kVA |
| Rated power at max. current 35% ED TIG | 180 A / 4.0 kVA |
| Output (MMA) 60% ED | 140 A / 25.6 V |
| Output (MMA) 100% ED | 115 A/24.6 V (140AU: 80 A/23.2 V) |