

# Minarc Evo

MORE POWERFUL AND AFFORDABLE THAN EVER BEFORE



## TECHNICAL SPECIFICATIONS

### Minarc Evo 180

Product code	61002180
Connection voltage 1~ 50/60 Hz	230 V ±15 % 230 V ±15 % (AU 240 V ± 15 %)
Fuse (delayed)	16 A 16 A
Minimum generator power	5.5 kVA
Output (40 oC) 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 90 V (VRD 30 V; AU VRD 12 V)
Stick electrode sizes	1.5...4 mm 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
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 %
Operating temperature range	-20...+40 °C
External dimensions LxWxH	361 × 139 × 267 mm 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



## Minarc Evo 180 AU

Product code	61002180AU
Connection voltage 1~ 50/60 Hz	230 V ±15 %
Fuse (delayed)	16 A
Minimum generator power	5.5 kVA
Output (TIG) 35% ED	180 A/17.2 V
Output (TIG) 100% ED	130 A/15.2 V
Output (MMA) 30% ED	170 A/26.8 V
Output (MMA) 100% ED	115 A/24.6 V
Open circuit voltage	12 V
Stick electrode sizes	1.5...4.0 mm
Welding range (MMA)	10 A/10 V - 180 A/30 V 10 A/15 V - 170 A/32 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
Operating temperature range	-20...+40 °C
External dimensions LxWxH	361 × 139 × 267 mm
Weight (no accessories)	5.4 kg
Degree of protection	IP23S
Standards	IEC 60974-1 IEC 60974-10 IEC 61000-3-12

## Minarc Evo 180 DK

Product code	61002180DK
Connection voltage 1~ 50/60 Hz	230 V ±15 %
Fuse (delayed)	16 A
Minimum generator power	5.5 kVA
Output (TIG) 35% ED	180 A/17.2 V
Output (TIG) 100% ED	130 A/15.2 V
Output (MMA) 30% ED	170 A/26.8 V
Output (MMA) 100% ED	115 A/24.6 V
Open circuit voltage	12 V
Stick electrode sizes	1.5...4.0 mm
Welding range (MMA)	10 A/10 V - 180 A/30 V 10 A/15 V - 170 A/32 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
Operating temperature range	-20...+40 °C
External dimensions LxWxH	361 × 139 × 267 mm
Weight (no accessories)	5.4 kg
Degree of protection	IP23S
Standards	IEC 60974-1 IEC 60974-10 IEC 61000-3-12



## Minarc Evo 180 VRD

Product code	61002180VRD
Connection voltage 1~ 50/60 Hz	230 V ±15 %
Fuse (delayed)	16 A
Minimum generator power	5.5 kVA
Output (MMA)	115 A/24.6 V (100 %) 170 A/26.8 V (30 %)
Output (TIG)	130 A/15.2 V (100 %) 180 A/17.2 V (35 %)
Open circuit voltage	30 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
Operating temperature range	-20...+40 °C
External dimensions LxWxH	361 × 139 × 267 mm
Weight (no accessories)	5.4 kg
Degree of protection	IP23S
Standards	IEC 60974-1 IEC 60974-10 IEC 61000-3-12

## Minarc Evo 140 AU

Product code	61002140AU
Connection voltage 1~ 50/60 Hz	230 V ±15 %
Fuse (delayed)	10 A
Minimum generator power	5.5 kVA
Output (MMA) 28% ED	140 A/25.6 V (28 %)
Output (MMA) 100% ED	80 A/23.2 V
Open circuit voltage	12 V
Stick electrode sizes	1.5...3.25 mm
Welding range (MMA)	10A/15V - 140A/38V
Welding range (TIG)	10A/1V - 150A/37V
Operating temperature range	-20...+40 °C
External dimensions LxWxH	361 × 139 × 267 mm
Weight (no accessories)	5.4 kg
Degree of protection	IP23S
Standards	IEC 60974-1 IEC 60974-10 IEC 61000-3-12

## ACCESSORIES

### Earth return cable 5 m, 16 mm<sup>2</sup>

Product code	6184015
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### Welding cable 5 m 16 mm<sup>2</sup>

Product code	6184005
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### Shoulder strap

Product code	9592163
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### Remote control R10

Product code	R10, 5 m - 6185409 R10, 10 m - 618540901
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### TX 163GVD9

Product code	TX163GVD94 (4m)
Standards	IEC 60974-7
Type of cooling	Gas
Type of connection (Current-gas)	DIX 9 mm
Load capacity @ 40 % (Argon)	160 A
Load capacity @ 100 % (Argon)	-
Type of connection (Control)	-
Type of connection (Coolant)	-
Remote control	No
Neck type	70° angle

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