

# MinarcMig™ Adaptive 150, 180



## MinarcMig™ Adaptive 150 and 180 Machines Are Made to Move

Revolutionary in its ease of use, the MinarcMig™ is ideal for both professional and hobby use. Small and lightweight, MinarcMig™ machines make it easy to 'weld anywhere' and are made to go where you go. The machines have **adaptive control**, for easy and accurate handling of welding parameters. Simply select the plate thickness from one control, pull the gun trigger, and weld. MIG welding has never been so easy!

**The MinarcMig™ 150 Adaptive** is a heavy-duty steel specialist. A 150-amp machine with a 35% duty cycle and an excellent power-to-weight ratio makes a top-of-class unit that's certainly out of the ordinary.

Our **MinarcMig™ 180 Adaptive** creates a new dimension in compact MIG machines for aluminium, stainless steel, and iron filler wires. The large and clear LCD user interface indicates the amperage, voltage, and wire feed speed selected, as well as the material and gas combination, when automatic mode is on. The machine has a maximum output of 180 A with a 25% duty cycle.

A safe solution, MinarcMig™ machines comply with the construction and safety standards IEC 974-1 and IEC 60974-5, and they are CE-marked. All MinarcMig™ machines are of protection class IP 23C.



reddot design award  
winner 2006

MinarcMig™ 180 Adaptive



The MinarcMig™ Adaptive 180 represents the new impressiveness and a usability rarely seen in welding machines. Its innovativeness, compact functionality, and ergonomics were awarded the red dot award – one of the most sought-after industrial design awards in the world.

## User interfaces for MinarcMig™ Adaptive 150 and 180



Easy-to-use one-knob control of the MinarcMig™ Adaptive 150, equipped with arc trimmer.



MinarcMig™ Adaptive 180 with its large, clear LCD user interface, which indicates the amperage, voltage, and wire speed selected, as well as the material and gas combination, when automatic mode is on.



## Technical data

MinarcMig™		150	180
Mains voltage	1 ~ 50/60 Hz	230 V +-15%	230 V +-15%
Rated power		6.9 kVA / 150A 35%	8.6 kVA / 180 A 25%
	60 %	5.3 kVA / 120 A	5.3 kVA / 120 A
	100 %	4.2 kVA / 100 A	4.2 kVA / 100 A
Connection cable, fuse delayed Ø		2.5 mm <sup>2</sup> -S-3.3 m / 16 A	2.5 mm <sup>2</sup> -S-3.3 m / 16 A
	60 %	120 A / 20 V	120 A / 20 V
	100 %	100 A / 19 V	100 A / 19 V
Open circuit voltage		22 - 31 V	15.5 - 42.5 V
	Power ratio max. current	0.58	0.60
	Efficiency at max. current	0.80	0.81
Welding range		20-150 A / 13.5-22 V	20-180 A / 12-23 V
External dimensions	L x W x H	400 x 180 x 340 mm	400 x 180 x 340 mm
Weight (incl. gun and cables)		9.4 kg	9.8 kg
Spool, max. Ø		200 mm (5 kg)	200 mm (5 kg)
Filler wires Ø	Fe solid	0.6 ... 1.0 mm	0.6 ... 1.0 mm
	Fe cored	0.8 ... 1.0 mm	0.8 ... 1.0 mm
	Ss	-	0.8 ... 1.0 mm
	Al	-	1.0 mm

## Order Information

MinarcMig™ Adaptive 150	incl. gun, cables, gas hose and shoulder strap	6108150
MinarcMig™ Adaptive 180	incl. gun, cables, gas hose and shoulder strap	6108180
MIG-gun	MMG 18, 3.0 m	6250180
Earthing cable and clamp	3.0 m	6184003
Shielding gas hose	4.5 m	W001077
Shoulder strap		9592162



## Product benefits

- Ease of use with adaptive control
- Weld anywhere: 1~ 230V from net/generator
- Lightweight – made to move
- Good welding characteristics with extra-long cables
- Two power classes:
  - 150 A for Fe, Fc
  - 180 A for Fe, Fc, Ss, Al
- Safe and reliable
- LCD display model (180)

## Applications

- Thin sheet welding
- Tacking of heavy pipe and plate
- Installation & maintenance
- Home and hobby use
- Repair welding
- Flux cored wires