

MINARC 150, 151



'Weld Anywhere' tool for MMA and scratch TIG use

The Minarc family offers a lightweight MMA welding machine ideal for use in workshop and on-site welding environments. These machines tolerate large fluctuations in input voltage, making them an excellent solution for field conditions with long cables or supply generators. Designed with portability and outdoor use in mind, Minarc machines have a durable casing, are easy to carry with an ergonomic shoulder strap, and have well-protected control knobs. Protection against overload, excess voltage, humidity, and dust ingress yields excellent reliability. TIG welding is made possible with the scratch-TIG function. The Minarc 150 is available with a VRD function as well – offering lower open-circuit voltage for welding in dangerous environments. The Minarc 151 is designed for on-site use with 110-volt transformers.

The Minarc family's superior arc performance stems from high voltage reserves and automatic arc force control. These guarantee that the arc stays stable in all positions, with any current and even with extra-long cables, of up to 50 m. The 'Automatic Hot Start' function provides perfect ignition in all conditions. The U/I-welding characteristic curve has been reformulated; the application for this anti-sticking function is to manage the risk of the MMA electrode sticking to the base material.

Benefits

- 'Weld Anywhere'
 - Rugged construction and mobility – works with generators and long supply cables
- Superior arc performance
 - Wide range of electrodes, including cellulosic electrodes
- User-friendly design
 - Easy in finding the correct welding values, due to automatic Hot Start and the arc force setting

Main applications

- Repair and maintenance
- Installation and outfitting
- Hobby use

The Minarc range covers 150-amp single-phase machines

- Minarc 150 230 V, 1 ph
- Minarc 151 110 V, 1 ph

The ICS™ feature

The Isolated Cooling System keeps metal particles from penetrating the machine's interior. The cooling air flows from the back of the machine, forward – this minimises the intake of particle content. Shielded knobs and the durable casing make the machine excellent for on-site work.



Technical Data

Minarc

150

Mains voltage	1ph	230 V ± 15%
Rated power	35% ED MMA	140 A
	100% ED MMA	100 A
	35% ED TIG	150 A
	100% ED TIG	110 A
Connection cable		3 x 2.5 mm ² , length 3.3 m
Fuse, delayed		16A
Welding range	MMA	10 A / 20.5 V...140 A / 25.6 V
Plug		Schuko
Open circuit voltage		85V
Stick electrodes		ø 1.5...3.25 mm
External dimensions	L x W x H	320 x 123 x 265 mm
Weight		4 kg

Minarc

150 VRD EURO

151

Mains voltage	1ph	230 V ± 15%	110 V ± 15%
Rated power	35% ED MMA	140 A	140 A
	100% ED MMA	100 A	100 A
	35% ED TIG	150 A	150 A
	100% ED TIG	110 A	110 A
Connection cable		3 x 2,5 mm ² , length 3.3 m	3 x 6 mm ² , length 2 m
Fuse, delayed		16A	32A
Plug		Schuko	-
Welding range	MMA	10 A / 20.5 V...140 A / 25.6 V	10 A / 20.5 V...140 A / 25.6 V
Open circuit voltage		30 V	85 V
Stick electrodes		ø 1.5...3.25 mm	1.5...3.25 mm
External dimensions	L x W x H	320 x 123 x 265 mm	320 x 123 x 265 mm
Weight		4 kg	4.4 kg

Order Information

Minarc 150 (includes: Earth and welding cable 16mm ² , 3m, 3.3 connection cable with Schuko)	6102150
Minarc 151 (includes: Earth and welding cable 16mm ² , 3m, 2m connection cable)	6101151
Minarc 150 with VRD, Australia (includes:Earth and welding cable 16mm ² , 3m, 3.3 connection cable with 15 A AU-Plug)	6102150AU
Minarc 120 with VRD, Australia	6102120AU
Minarc 150 with VRD, Europe (includes: Earth and welding cable 16mm ² , 3m, 3.3 connection cable with European Schuko)	6102150VRD
Accessories	
Earth cable and clamp	6184015
Welding cable and electrode holder	6184005
Carrying strap	9592162
TTM 15V TIG torch	6271432