



Minarc

150 / 220

Little giants of the MMA welding world

- Excellent welding quality and ignition
- 1ph 230V and 3ph 400V models
- Automatic dynamics feature
- Lightweight and high power
- Excellent work duty performance
- VRD model options
- Scratch TIG feature
- Ready to weld packages
- Designed and manufactured in Finland
- 3 year warranty

Applications

- Metal workshops
- Construction industry
- Agriculture
- Repair and maintenance

Lightweight, compact and super portable

Minarc 150 and 220 MMA welding machines are lightweight, robust, durable and impact resistant, the ideal choice for workshop and site environments.

Superior arc performance based on high voltage reserves and automatic 'Arc Force' control, guarantee the arc will remain stable in all welding positions, even when connected with extra-long welding and power cables up to 100m.

Automatic Hot Start gives perfect ignition in all conditions and the Anti-sticking function decreases the risk of the MMA electrode sticking to the base material and aids short arc control. Protection against overload, humidity and dust ingress means excellent reliability, and TIG welding is possible thanks to the scratch -TIG function and GV TIG torches. Minarc 220 features a remote-control option.

Specific Minarc models feature the VRD function (Voltage Reduction Device) that lowers the open circuit voltage for welding environments that may present wet, damp or humid conditions.





VALUE FEATURES



EASY START

With ready to weld packages



EXCELLENT WELDING QUALITY

Outstanding arc performance



GREAT PACKAGE

Lightweight, high power and duty cycle

Technical specifications Minarc 150

Minarc 150		
Connection voltage	1~, 50 /60 Hz	230 V ±15 %
Rated power	35 % ED MMA	140 A/7.5 kVA
	50 % ED MMA	-
	100 % ED MMA	100 A/5.1 kVA
	35 % ED TIG	150 A/5.0 kVA
	50 % ED TIG	-
	100 % ED TIG	110 A/3.3 kVA
Connection cable	H07RN-F	3G2.5 (3.3 m)
Fuse, delayed		16 A
Welding range	MMA	10 A/20.5 V–140 A/25.6 V
	TIG	10 A/10.5 V – 150 A/15.6 V
Plug type		Schuko
Open circuit voltage		85 V (30 V/VRD)
Power factor at max current		0.60
Efficiency at max current		80 %
Stick electrode	∅ mm	1.5–3.25
External dimensions	L x W x H, mm	320 x 123 x 265
Weight	kg	4

Technical specifications Minarc 220

Minarc 220			
Connection voltage	3~, 50/60 Hz		400 V -20 %...+15 %
Rated power	MMA	35 % ED	220 A
		100 % ED	150 A
		Output 40 °C	
Welding range	MMA	35 % ED	220 A / 28.8 V
		60 % ED	170 A / 26.8 V
		100 % ED	150 A / 26.0 V
	TIG	35 % ED	220 A / 18.8 V
		60 % ED	180A / 17.2 V
		100 % ED	160 A / 16.4 V
Connection cable	H07RN-F		4G1.5 (5 m)
Fuse, delayed			10 A
Welding range	MMA		10 A / 20.4 V-220 A / 28.8 V
	TIG		10 A / 10.4 V-220 A / 18.8 V
Open circuit voltage			85 V (30 V/VRD)
Power factor at maximum current	MMA		0.91 (TIG 0.92)
Efficiency at max current			0.86 (TIG 0.80)
Stick electrode	∅		1.5–5.0 mm
External dimensions	L x W x H		400 x 180 x 340 mm
Weight			9.2 kg

Ordering information Minarc 150

Minarc 150		
Minarc 150, incl. earth and welding cable (3 m), connection cable with Schuko		6102150
Minarc 150 VRD, incl. earth and welding cable (3 m), connection cable with Schuko		6102150VRD
Accessories		
Earth return cable	5 m, 16 mm ²	6184015
Welding cable	5 m, 16 mm ²	6184005
Carrying straps		9592162
TIG torch Flexlite TX 163 GVD94		TX163GVD94

Ordering information Minarc 220

Minarc 220, incl. earth return and welding cable (5 m), connection cable		6102220
Accessories		
Earth return cable	5 m, 25 mm ²	6184211
Welding cable	5 m, 25 mm ²	6184201
Carrying straps		9592162
TIG torch Flexlite TX 223GVD134		TX223GVD134

