



MinarcMig 220 Auto

61008220

A 14.2 kg, portable MIG/MAG welding machine providing 220 A with a 20% duty cycle from a 16 A single-phase mains supply. Manual and synergic welding options available. Compatible with a wide range of materials, including steel (Fe), stainless steel (Ss), aluminum (Al), and CuSi brazing filler wires. A 3-meter welding torch with an ergonomic gun handle, cable set, and carrying strap included.

Technical data

Description	Value
Mains connection voltage	230 V \pm 15 %
Mains connection phases	1~50/60 Hz
Mains connection cable type	3G, H07RN-F
Mains connection cable size	1.5 mm ²
Maximum supply current [I _{1max}]	30 A
Effective supply current [I _{1eff}]	15 A
Rated maximum input power [S _{1max}]	7 kVA

Description	Value
Mains fuse	16 A
Mains fuse type	gG
Idle state power consumption [P _{idle}]	12 W
No-load voltage [U ₀]	70 V...75 V
Open circuit voltage [U _{av}]	70 V...75 V
Output, duty cycle % at rated max. current, MIG	20 %
Output at +40 °C, rated max current, MIG	220 A
Output at +40 °C, 60% MIG	160 A
Output at +40 °C, 100% MIG	120 A
Output range, MIG	20 A / 15 V ... 220 A / 28 V
Voltage adjustment range, MIG	10 V...28 V
Power factor at rated maximum current [λ]	0.99
Efficiency at rated maximum current [η]	84 %
EMC class	A
Welding connection type	Built-in
Wire feed mechanism	Single-motor, 2-roll
Filler wire diameter, Fe	0.6 mm...1 mm
Filler wire diameter, Fe-MC/FC	0.8 mm...1 mm
Filler wire diameter, Ss	0.8 mm...1 mm
Filler wire diameter, Al	1 mm
Wire feed speed	1 m/min...14 m/min
Maximum wire spool weight	5 kg
Maximum wire spool diameter	200 mm
Maximum shielding gas pressure	0.5 MPa
Control panel, display	LCD
Control panel, controls	2 control knobs, Push buttons
Control panel, type of installation	Built-in
Operating temperature	-20 °C...40 °C
Storage temperature	-40 °C...60 °C
Degree of protection (fully installed)	IP23
External dimensions, length	450 mm
External dimensions, width	227 mm
External dimensions, height	368 mm

Description	Value
Weight without accessories	14.2 kg
Standards	IEC 60974-1, -5, -10, IEC 61000-3-12