



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 _{lmax}]	30 A
Effective supply current [I _{leff}]	15 A
Rated maximum input power [S _{lmax}]	7 kVA
Mains fuse	16 A
Mains fuse type	gG
Idle state power consumption [P _{lidle}]	12 W
No-load voltage [U ₀]	70 V...75 V

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