



# MinarcMig 190 Auto

61008190

A 14.2 kg, portable MIG/MAG welding machine providing 190 A with a 35% 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 <sup>2</sup> |
| Maximum supply current [I <sub>lmax</sub> ]    | 24.3 A              |
| Effective supply current [I <sub>leff</sub> ]  | 12 A                |
| Rated maximum input power [S <sub>lmax</sub> ] | 6 kVA               |

| Description                                         | Value                         |
|-----------------------------------------------------|-------------------------------|
| Mains fuse                                          | 16 A                          |
| Mains fuse type                                     | Type C                        |
| Idle state power consumption [P <sub>idle</sub> ]   | 12 W                          |
| No-load voltage [U <sub>0</sub> ]                   | 70 V...75 V                   |
| Open circuit voltage [U <sub>av</sub> ]             | 70 V...75 V                   |
| Output, duty cycle % at rated max. current, MIG     | 35 %                          |
| Output at +40 °C, rated max current, MIG            | 190 A                         |
| Output at +40 °C, 60% MIG                           | 140 A                         |
| Output at +40 °C, 100% MIG                          | 100 A                         |
| Output range, MIG                                   | 20 A / 15 V ... 190 A / 26 V  |
| Voltage adjustment range, MIG                       | 10 V...26 V                   |
| Power factor at rated maximum current [ $\lambda$ ] | 0.99                          |
| Efficiency at rated maximum current [ $\eta$ ]      | 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...13 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 |