

StandardMIG-160 • 200 • 250

5 years warranty

DIGITAL INVERTER MIG/MAG MACHINES PATON

"STANDARD" SERIES are designed for direct current welding of a wide range of materials in MIG/MAG, MMA and TIG modes. These machines are powered by a single-phase 220/230V network and provide good load duration at their nominal current of 160A, 200A and 250A, respectively. PATON semi-automatic machines of the "Standard" series are distinguished by the ratio of small overall characteristics with high nominal current, high work performance and reliability.



Processes



MIG/MAG
(PULSE)



MMA
(PULSE)



TIG DC
(PULSE, LIFT)

Input



Output

PARAMETERS

	StandardMIG-160	StandardMIG-200	StandardMIG-250
Nominal mains voltage, 50Hz		220/230	
Rated mains current, A	18–21	23–27	29,5–35,0
Nominal welding current, A	160	200	250
Maximum operating current, A	215	270	335
Power supply voltage change limits, V		160–260	
Duty cycle (DC), %	45% / 160A 100% / 107A	45% / 200A 100% / 134A	45% / 250A 100% / 167A
Welding current regulation limits, A	8–160	10–200	12–250
Welding voltage control limits, V	12–24	12–26	12–28
Feed rate control limits wire, m/min		2,0–16,0	
Standards		EN IEC 60974-1	
Protection class		IP33	
Insulation class		H	
Operating temperature range		–25 ... +45°C	
MMA no-load voltage, V		12/75	
Arc ignition voltage, V		110	
Welding pulse modes		MMA: 0,2–500Hz; TIG: 0,2–500Hz; MIG/MAG: 30–300Hz	
Nominal power consumption, kVA	4,1–4,7	5,1–6,1	6,6–7,8
Maximum power consumption, kVA	5,9	7,5	9,5
Cooling		Forced	
Overall dimensions, L×W×H, mm		435 × 250 × 298	
Weight, kg	11,1	11,3	11,5
Wire feeder mechanism		2 roller	
Maximum weight of the coil, kg		5	

ADVANTAGES



LONG CABLES
COMPATIBILITY



WORK FROM
GENERATOR



INDUCTION
FUNCTION



2T/4T

TWO-STROKE /
FOUR-STROKE MODE



WORK WITH
WEAK POWER
NETWORKS



OVERVOLTAGE
PROTECTION



STORING PROGRAMS
IN EACH WELDING
MODE



PULSE

FRONT CONTROLS

- 1 Welding mode selection button
- 2 The regulator for selecting the functions (parameters)
- 3 Digital display
- 4 Welding program selection button
(set of parameters previously set by the user)
- 5 The regulator for adjusting welding voltage parameter in MIG/MAG mode
- 6 Safety gas check button (no wire feed)
- 7 Wire-filling button (no gas supplied)
- 8 KZ-2 EURO type connector for semi-automatic torch connection
- 9 Power supply plug to the wire feeder
- 10 Lifting protective cover for wire feeder and coil compartment

A Bayonet-type power current socket "+"
B Bayonet-type power current socket "-"



APPLICATIONS

- welding of a wide range of products in private and professional workshops;
- welding in car service stations, repair shops, production and assembly sites in metal structures manufacturing.



COMPLETE SET

1 — Welding cables with electrode holder and «ground» terminal
2 — Set of rollers for 4 diameters of steel welding wire and a quick-release nipple for a gas hose
3 — MIG/MAG torch

1



2



3

