WELDER INVERTER MIG/MAG MMA/TIG LIFT PATON STANDARDMIG-160

Welder Inverter Paton StandardMIG-160 – basic data
The Paton StandardMIG 160 MIG/MAG MMA/TIG Lift welder inverter is designed for semi-automatic MIG/MAG arc welding, gas shielded TIG arc welding and manual MMA arc welding with direct current (DC) with the possibility of using the PULSE function.

The "Standard" series is dedicated to home and semi-industrial use. StandardMIG 160 provides 45% duty cycle at full rated current of 160A without loss of productivity and work quality. Robust construction and simplicity of operation makes working with the device trouble-free, despite the small size of the welder, it allows you to obtain excellent weld quality. The use of the fully electronic control method in this series excludes the disadvantages that are characteristic of multifunctional systems. The welding source is set to optimal values, which allows you to start working with it right away. For more advanced work, the device is equipped with additional functions. A characteristic feature of PATON™ Standard series semi-automatic machines is a high-quality wire feeder, which has been additionally sealed, as well as the existing KZ-2 "EURO" type integrated connector, which has become a standard all over the world, allowing the user to choose any MIG/MAG torch according to his own preferences.

Functions and capabilities of the universal welder inverter Paton StandardMIG-160
GASLESS WELDING FUNCTION – WELDING WITH SELF-CONSUMING WIRE
All PATON MIG/MAG welding machines are adapted for welding with self-shielded wire. Such welding, as opposed to the traditional MIG/MAG welding process, is carried out without shielding gas – however, it requires a special welding wire. The wire produces its own shielding, which helps to protect the welding arc. Self-shielded wire suitable for PATON welding machines can be purchased here – 5 kg spools of wire will fit all wire feeders.

Rated power supply voltage 50/60 Hz	230 V
Rated power supply current	19-21 A
Rated welding current	160 A
Maximum operating current	200 A
Operating load factor %	45% at 160 A 100% at 107 A
Power supply voltage range	160 – 260 V
Welding current control range	8 – 160 A
Welding current control range	12-24 V
Wire feeding speed control range	2.0 - 16m/min
Diameter of a stick elecrode	1.6 - 4.0mm
Number of pressure rolls	2
Solid wire diameter	0.6 - 1.0mm
Coil weight, not more than	5kg
Welding processes with a pulse welding mode	MMA: 0,2...500 Hz TIG: 0,2...500 Hz MIG/MAG: 5...500 Hz
Function "Hot-Start"	Adjustable
Function "Arc-Force"	Adjustable
Function "Anti-Stick"	Automatic
Reduction of open-circuit voltage	ON/OFF
Open-circuit voltage	12 / 75 V
Welding arc starting voltage	110 V
Rated consumed power	4,2 – 4,6 kVA
Maximum consumed power	5,5 kVA
Efficiency coefficient	90%
Cooling	Automatic
Operating temperature range	–25 ... +45 ºC
Fulfilled standards:	EN 60204 – 1:2006 EN 60974 – 1:2012 EN 60974 – 10:2014
Overall dimensions (length, width, height)	420 x 245 x 298
Weight	11
Protection class*	IP 21